GOALS, METHODS AND TARGET CHEMICALS: HISTORICAL SUMMARY OF ALL ARIZONA POLLUTION PREVENTION PLAN GOALS

(SORTED BY TARGET CHEMICAL, FACILITY NAME AND GOAL NUMBER)

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
(STODDARD SOLVENT)	REDUCE AMOUNT OF STODDARD SOLVENT USED FOR PARTS CLEANING.	REPLACED STODDARD SOLVENT WITH JET PRESSURE PARTS WASHERS USING WATER AND BIODEGRADEABLE SOAP AND OTHER TYPES OF PART WASHERS WITH LESS HAZARDOUS SOLVENTS	AZ DEPT OF EMERGENCY MILITARY AFFAIRS	200058	1
#6 FUEL OIL (CONTAINING POLY. AROMATIC CMPDS.)	REDUCE EMISSIONS OF COMBUSTION BYPRODUCTS IN BOILER OPERATIONS.	TRAIN BOILER OPERATORS AND EXECUTE REGULARLY SCHEDULED BOILER TUNE-UPS TO OPERATE BOILERS AT OPTIMUM EFFICIENCY.	NESTLE PURINA PETCARE CO (FKA RALSTON PURINA CO)	200310	10
1 METHOXY 2 PROPANOL	8.2.8 #2: REDUCE HAP/VOC EMISSIONS FROM THE PROBIMER (SOLDER MASK) PROCESS BY 95%. GOAL BY USING IMPROVED EMISSION CONTROL EQUIPMENT TO TREAT SOLDER MASK EXHAUST.	IMPROVED VOC EMISSION CONTROL: INSTALL EMISSION CONTROL EQUIPMENT (WET SCRUBBERS) TO TREAT THE EXHAUST FROM THE PROBIMER (SOLDER MASK) PROCESS.	CONTINENTIAL CIRCUITS	200105	10
1 METHOXY 2 PROPANOL	8.2.8 #1: REDUCE USE OF TOXIC PROBIMER CHEMISTRIES (IN EPOXY RESIN USED AS A LIQUID SOLDER MASK) AND RESULTANT HAPs/VOCs (BUILDINGS A,B). REDUCE VOC EMISSIONS BY AT LEAST 10% (4,000 LBS/YR)	PROCESS MODIFICATION: EVALUATE 5 ALTERNATIVE SOLDER MASK CHEMISTRIES. SUBSTITUTE WITH LOWER VOC/NON-HAPS PRODUCTS	CONTINENTIAL CIRCUITS	200105	9
1-(3-CHLOROALLYL)-3,5,7..	REDUCE THE PER BATCH USE OF 1-(3-CHLOROALLYL)-3,5, 7-TRIAZA-1-AZONIAADAMANTANE AS AN INDUSTRIAL PRESERVATIVE IN DRYWALL JOINT COMPOUND.	PURCHASE CHEMICAL IN BULK; TRAIN EMPLOYEES IN SAFE HANDLING; REDUCE PER BATCH USE.	MURCO WALL PRODUCTS, INC	200262	8
1-(3-CHLOROALLYL)-3,5,7..	ELIMINATE THE USE OF 1-(3-CHLOROALLYL)-3, 5, 7-TRIAZA-1-AZONIAADAMANTANE AS AN INDUSTRIAL PRESERVATIVE IN DRYWALL JOINT COMPOUND.	REPLACE WITH A LESS TOXIC INDUSTRIAL PRESERVATIVE.	MURCO WALL PRODUCTS, INC	200262	9
1-METHOXY-2-PROPYL ACETAT	REDUCE THE AMOUNT OF VARIOUS CHEMCIALS DISPOSED OF AND INCREASE RECYCLING OPPORTUNITIES	ANNUALLY REVIEW ALL WASTE STREAMS WITH DISPOSAL AND RECYCLING CONTRACTORS TO DETERMINE BEST AVAILABLE WASTE MANAGEMENT PRACTICES	NELTEC, INC.	200491	6
1,1-DICHLORO-1-FLUOROETHANE	REDUCE TOTAL ODC USE BY 25%	CONTACT MANUFACTURERS OF CURRENT ODC PRODUCTS USED IN THE LAB AND INVESTIGATE PRODUCT SUBSTITUTIONS. WORK WITH LAB MAINTENACE AND EQUIPMENT MANUFACTURERS TO DETERMINE FEASABILITY OF RETROFITTING TEST CHAMBERS WITH SUBSTITUTE NON-CLASS I ODC REFRIGERENTS.	IBM CORPORATION	200194	13
1,1-DICHLORO-1-FLUOROETHANE	REDUCE EMISSIONS OF HCFC 141B BY 50%.	INSTALL BULK STORAGE TANK SO MATERIAL IS PLUMBED DIRECTLY TO PRESSURIZED MIXING TANK.	UCSC (Urethane Contr. Supply & Consult.)	200651	3
1,1,1 TRICHLOROETHANE	ELMINATE THE USAGE OF1,1,1-TCA, CARBON TETRACHLORIDE, METHYLENE CHLORIDE, PERC AND TRICHLOROETHYLENE.	EVALUATE SUBSTITUTES; DISAPPROVE THESE CHEMCIALS FOR ON-SITE USE AND RESTRICT REORDER CAPABILITY.	APS PALO VERDE NUCLEAR	200042	1
1,1,1 TRICHLOROETHANE	REDUCE THE AMOUNT OF VOC EMISSIONS AND HAZARDOUS WASTE GENERATED FROM PARTS CLEANING.	REPLACE PETROLEUM NAPTHA SOLVENT USED IN DEGREASING AND PARTS CLEANING WITH A NON-HAZARDOUS SOLVENT; FILTER SOLVENTS TO REDUCE FREQUENCY OF CHANGING TO EXTEND SOLVENT LIFE.	GM DESERT PROVING GROUNDS	200154	6
1,1,1 TRICHLOROETHANE	REPLACE USE OF HAZARDOUS MATERIAL WITH NON-HAZARDOUS.	REPLACE THE CHLORINATED DILUENT WITH A NON-HAZARDOUS DILUENT IN THE MASKANT.	GOODRICH TURBOMACHINERY PRODUCTS	200434	8
1,1,1 TCA	ELIMINATE OR REDUCE THE USE OF 1,1,1, TRICHLOROETHANE, METHYL METHACRYLATE, AND METHYLNEBIS	EVALUATE AND IMPLEMENT USE OF NON-SOLVENT BASES ADHESIVES, REDUCE GELCOAT USE, USE LESS TOXIC FOAM	SEA RAY BOATS, INC.	200334	22
1,1,1 TRICHLOROETHANE	VOC COATINGS: MDHS PROPOSES TO IDENTIFY, QUALIFY & IMPLEMENT LOW VOC COATINGS WHICH WILL SERVE THE SAME FUNCTION AS THE CURRENT COATINGS. MDHS WILL ALSO RESEARCH THE FEASIBILITY OF USING WATER BORNE COATINGS & POWDER COATINGS. OPPORTUNITIES EXIST TO REDUCE AIR EMISSIONS & HAZARDOUS WASTE GENERATION	RESEARCH & EVALUATIONS INDICATED A SUITABLE WATER BORNE PRIMER WHICH WILL REPLACE THE OLD PRIMER CONTAINING TCA. PRODUCT SUBSTITUTION ALREADY STARTED. (MILP 85582 TYPE 1, CLASS C-2 REPLACES MLP23377 TYPE 1, CLASS 3.)	THE BOEING COMPANY	200238	6
1,1,1 TRICHLOROETHANE	OZONE DEPLETING DEGREASERS: MDHS PROPOSES THE FEASIBILITY OF INSTALLING AQUEOUS DEGREASING SYSTEMS TO REPLACE EXISTING SOLVENT DEGREASING SYSTEMS (COLD & VAPOR; METHYL CHLOROFORM IS THE PRIMARY SOLVENT USED). OPPORTUNITY EXIST TO REDUCE AIR EMISSIONS & HAZARDOUS WASTE GENERATION	SCREENING TESTS ARE BEING PERFORMED ON SEVERAL UNITS. TESING INCLUDES THE CLEANING EQUIPMENT. THE 1ST VAPOR DEGREASERS HAVE SUCCESSFULLY BEEN REPLACED WITH PARTS WASHING EQUIPMENT USING NO ODC CHEMICALS. A NEW CLEANER WAS INSTALLED IN OUR CHEMPROCESSING LINE & DEFERRED THE PURCHASE OF AN ODC VAPOR DEGREASER. THE FINAL UNIT WILL BE COMPLETED IN 1997. THE TECHNOLOGY HAS PROVEN ITSELF. MDHS WILL ACHIEVE ELIMINATING TCA DURING 1997.	THE BOEING COMPANY	200238	7

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1,1,1 TRICHLOROETHANE	REDUCE THE WASTE STREAM OF SPENT SOLVENTS FROM HYDRAULIC AND FUEL PATH TESTING.	SOLVENT DISTILLATION UNITS DID NOT MEET EXPECTATIONS; REPLACED FREON WITH A PETROLEUM LIQUID TO ALLOW FOR RECYCLING OF PD680 TYPE II AND HYDRAULIC MIXTURE.	U.S. MARINE CORPS - YUMA AIR STATION	200407	1
1,1,1 TRICHLOROETHANE	REDUCE USE OF TRICHLOROETHANE FOR DEGREASING (8.1.3)	PURCHASE AND INSTALL A HOT ALKALINE/ AQUEOUS CLEANING SYSTEM	WEISER LOCK COMPANY	200435	3
1,1,1- TRICHLOROETHANE	ELIMINATE USAGE OF HALOGENATED SOLVENTS AT THE FACILITY BY 1999	REPLACEMENT OF 1,1,1 TRICHLOROETHANE WITH A VIABLE SUBSTITUTE.	BHP COPPER, SAN MANUEL SMELTING AND REFINING	200226	23
1,2,4 TRICHLOROBENZENE	REDUCE EKC 712-D EMISSIONS BY 20% IN THE EPOXY DEFLASH AREA	IMPLEMENT A MECHANICAL EPOXY DEFLASH SYSTEM. ACTION PLAN: 1. INVESTIGATE AVAILABILITY OF EQUIPMENT - 6/2000. 2. SUBMIT SAMPLES TO VENDOR FOR DEFLASHING EVALUATION - 12/2000. 3. EVALUATE DEFLASHED SAMPLES IN-HOUSE - 5/2001. 4. QUALITY ASSURANCE APPROVAL 10/2001. 5. PURCHASE AND INSTALL EQUIPMENT 4/2002. 6. TRAIN OPERATORS AND BEGIN OPERATIONS - 7/2002.	MICROSEMI CORP.	200246	14
1,2,4 TRICHLOROBENZENE	REDUCE EKC 712-D WASTE BY 20% IN THE EPOXY DEFLASH AREA	IMPLEMENT A MECHANICAL EPOXY DEFLASH SYSTEM. ACTION PLAN: 1. INVESTIGATE AVAILABILITY OF EQUIPMENT - 6/2000. 2. SUBMIT SAMPLES TO VENDOR FOR DEFLASHING EVALUATION - 12/2000. 3. EVALUATE DEFLASHED SAMPLES IN-HOUSE - 5/2001. 4. QUALITY ASSURANCE APPROVAL 10/2001. 5. PURCHASE AND INSTALL EQUIPMENT 4/2002. 6. TRAIN OPERATORS AND BEGIN OPERATIONS - 7/2002.	MICROSEMI CORP.	200246	16
1,2,4- TRIMETHYLBENZENE	REDUCE SOLVENT USAGE BY 60%	RESEARCH SOLVENT RECYCLING; USE ALTERNATIVE CLEANERS; AVOID MIXING WATER AND SOLVENT	GREAT WESTERN PUBLISHING	200165	2
1,2,4- TRIMETHYLBENZENE	REDUCTION OF WASTE FROM RAW MATERIALS CHANGES AND PRODUCTION OF OFF-SPEC PRODUCTS. 1) LABORATORY TO DEVELOP WRITTEN PROCEDURES INCLUDING SAMPLING PROTOCOL.	REDUCE WASTE PRODUCTION WITH IMPLEMENTATION OF WRITTEN PROCEDURES FOR REWORKING OFF-SPEC PRODUCTS AND PHASED OUT RAW MATERIALS.	W. R. MEADOWS OF ARIZONA INC	200433	2
1,2,4- TRIMETHYLBENZENE	REDUCTION OF FUGITIVE VOC EMISSIONS FROM ABOVE GROUND STORAGE TANKS. 1) RESEARCH EQUIPMENT AVAILABLE, 2) PURCHASE PRESSURE VENTS, 3) INSTALLATION OF VENTS.	REDUCTION OF FUGITIVE VOC EMISSIONS FROM STORAGE TANKS THROUGH INSTALLATION OF PRESSURE VENTING DEVICES.	W. R. MEADOWS OF ARIZONA INC	200433	3
1,2,4- TRIMETHYLBENZENE	REDUCTION OF VOC EMISSIONS FROM FIBER SATURATION UNIT THROUGH THE INSTALLATION OF CONTROLS. 1) RESEARCH CONTROL ALTERNATIVES, 2) NEGOTIATE PERMIT PROVISIONS WITH LOCAL ENVIRONMENTAL AGENCIES AND OBTAIN OPERATING PERMIT, 3) ORDER EQUIPMENT, 4) EQUIPMENT INSTALLATION.	REDUCTION OF VOC EMISSIONS THROUGH THE INSTALLATION OF CONTROLS.	W. R. MEADOWS OF ARIZONA INC	200433	6
1,2,4- TRIMETHYLBENZENE	REDUCTION OF VOC EMISSIONS FROM DIP TANK AND DRYING BOARDS. RESEARCH ALTERNATIVE SOLVENTS, 2) EXPERIMENTATION WITH DIFFERENT BLENDS AND COMPOSITIONS, 3) PILOT TESTING TO DETERMINE AFFECT ON BOARD QUALITY.	REDUCTION OF VOC EMISSIONS FROM DIP TANK AND DRYING BOARDS THROUGH USE OF ALTERNATE BLENDS.	W. R. MEADOWS OF ARIZONA INC	200433	7
1METHOXY2PROPYL ACETATE	REDUCE FUGITIVE EMISSIONS BY REDUCING OVERALL SOLVENT CONSUMPTION.	SUBSTITUTE SOLVENTS WITH SIMILAR SOLUBILITY AND DISSIMILAR EVAPORATIVE PROPERTIES WITH LESS TOXIC SUBSTANCES; REDESIGN SYSTEM AND INSTALL A VISCOSITY SYSTEM; MAKE ALTERATIONS TO THE PROCESS AIR.	NELTEC, INC.	200491	8
2 ETHOXYETHYL ACETATE	8.2.8 #2: REDUCE HAP/VOC EMISSIONS FROM THE PROBIMER (SOLDER MASK) PROCESS BY 95%. GOAL BY USING IMPROVED EMISSION CONTROL EQUIPMENT TO TREAT SOLDER MASK EXHAUST.	IMPROVED VOC EMISSION CONTROL: INSTALL EMISSION CONTROL EQUIPMENT (WET SCRUBBERS) TO TREAT THE EXHAUST FROM THE PROBIMER (SOLDER MASK) PROCESS.	CONTINENTIAL CIRCUITS	200105	10
2 METHOXYETHANOL	8.2.8 #2: REDUCE HAP/VOC EMISSIONS FROM THE PROBIMER (SOLDER MASK) PROCESS BY 95%. GOAL BY USING IMPROVED EMISSION CONTROL EQUIPMENT TO TREAT SOLDER MASK EXHAUST.	IMPROVED VOC EMISSION CONTROL: INSTALL EMISSION CONTROL EQUIPMENT (WET SCRUBBERS) TO TREAT THE EXHAUST FROM THE PROBIMER (SOLDER MASK) PROCESS.	CONTINENTIAL CIRCUITS	200105	10
2 ETHOXYETHYL ACETATE	8.2.8 #1: REDUCE USE OF TOXIC PROBIMER CHEMISTRIES (IN EPOXY RESIN USED AS A LIQUID SOLDER MASK) AND RESULTANT HAPs/VOCs (BUILDINGS A,B). REDUCE VOC EMISSIONS BY AT LEAST 10% (4,000 LBS/YR)	PROCESS MODIFICATION: EVALUATE 5 ALTERNATIVE SOLDER MASK CHEMISTRIES. SUBSTITUTE WITH LOWER VOC/NON-HAPS PRODUCTS	CONTINENTIAL CIRCUITS	200105	9
2 METHOXYETHANOL	8.2.8 #1: REDUCE USE OF TOXIC PROBIMER CHEMISTRIES (IN EPOXY RESIN USED AS A LIQUID SOLDER MASK) AND RESULTANT HAPs/VOCs (BUILDINGS A,B). REDUCE VOC EMISSIONS BY AT LEAST 10% (4,000 LBS/YR)	PROCESS MODIFICATION: EVALUATE 5 ALTERNATIVE SOLDER MASK CHEMISTRIES. SUBSTITUTE WITH LOWER VOC/NON-HAPS PRODUCTS	CONTINENTIAL CIRCUITS	200105	9
2 METHOXYETHANOL	PREVENT SPILLS OF ANTI-ICING ADDITIVE USED IN JET FUEL.	USE PUMP AND METERING DEVICE TO INJECT INTO JET STREAM. GENERATE MINIMAL WASTE WHEN MAINTAINING PUMP OR CHANGING OUT TOTE. MAINTAIN CONTACT WITH SUPPLIERS AND EVALUATE SUBSTITUTES IF AVAILABLE.	PRO PETROLEUM	200703	1

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2-(2-AMINOETHOXY)ETHANOL	WAFER CLEANING: REDUCE QUANTITY OF PHOTORESIST STRIPPER CONSUMED PER WAFER BY 25%.	INCREASE THE NUMBER OF WAFERS PROCESSED TO 50 FROM 25.	STMICROELECTRONICS, INC.	200585	17
2-(2-AMINOITHOXY)ETHANOL	ELIMINATE OR MINIMIZE PHOTORESIST STRIPPER USE.	EVALUATE BATH LIFE EXTENSION OPTIMIZE EXISTING ASHER CLEAN PROCESS AND ELIMINATE THE ACID CLEAN PROCESS.	MOTOROLA SCG	200253	17
2-(2-HEXYLOXYETHOXY) ETHANOL	ELIMINATE CONTAINER RESIDUAL PRIOR TO TRANSFER.	DEVELOP AND IMPLEMENT GOOD HOUSEKEEPING MEASURES TO ENSURE THAT CONTAINER RESIDUAL IS REMOVED BEFORE TRANSFERRING CONTAINERS.	SUMCO SOUTHWEST CORP	200628	3
2-BUTOXY ETHANOL	REDUCE THE VOC AND PARTICULATE EMISSIONS FROM THE COATING OPERATION FOR PROCESSING GALVANIZED STEEL TUBE.	INVESTIGATE USING POWDER COATINGS TO REDUCE VOC AND PARTICULATE EMISSIONS.	ALLIED TUBE AND CONDUIT	200032	22
2-BUTOXYETHER	REDUCE THE VOL. OF 2-BUTOXYETHER BASED LAQUER USED IN THE MANUFACTURING OF OUR 13 OZ. METAL CANS BY 15%.	REPLACE THE CURRENT PRESSURE ACTUATED APPLICATION SYSTEM WITH AN AIR ACTUATED SYSTEM.	ABBOTT LABORATORIES	200326	7
2-BUTOXYETHER	REDUCE THE VOL. OF FUGITIVE EMISSIONS ESCAPING FROM THE 13 OZ. METAL CAN LINE.	1. MODIFY THE CONVEYER SPEED SO THAT THE GAP BETWEEN CANS IS SMALLER, THUS REDUCING FUGITIVE EMISSIONS. 2. INSTALL A FILTERED EXHAUST HOOD TO CAPTURE ANY EXCESS SPRAY, PRIOR TO THE CANS ENTERING THE CURING OVEN.	ABBOTT LABORATORIES	200326	8
2-ETHOXYETHANOL	REDUCTION OF ORGANIC SOLVENTS USE: REDUCTION OR ELIMINATION OF 2-ETHOXYETHANOL IN SOLVENT BASED ADHESIVE R8970.	REFORMULATING ADHESIVE TO REDUCE OR ELIMINATE 2-ETHOXYETHANOL (EE) AS A COMPONENT OF THE ADHESIVE R8970.	ROGERS CORP. ADV-CIRCUIT MAT'LS DIV	200461	A
2-ETHOXYETHYLACETATE	8.2.19: REDUCE VOC EMISSIONS BY 14 POUNDS/DAY IN CERTAIN VOC-LADEN EXHAUST STREAMS. **GOAL DROPPED BECAUSE INLET LOADING TOO LOW FOR VIABLE REMOVAL**	PROCESS MODIFICATION: DEVELOP AIR SCRUBBER APPLICATION FOR REMOVAL OF VOC LADEN AIR STREAM **GOAL DROPPED**	CONTINENTIAL CIRCUITS	200105	25
2-ETHOXYETHYLACETATE	AREA C-1:REDUCE THE ACIDS AND SOLVENTS USED IN THE WAFER MOUNT DEFINITION PROCESS SEQUENCE (PHOTORESIST COAT, DEVELOP, ETCH, PHOTORESIST STRIP & CLEAN PROCESSES)	RESEARCH POSSIBILITY TO ELIMINATE WAFER PROCESS STEPS OF PHOTORESIST COAT, DEVELOP, ETCH, PHOTORESIST STRIP, AND CLEAN	MOTOROLA SCG	200253	8
2-METHOXYETHANOL	8.2.19: REDUCE VOC EMISSIONS BY 14 POUNDS/DAY IN CERTAIN VOC-LADEN EXHAUST STREAMS. **GOAL DROPPED BECAUSE INLET LOADING TOO LOW FOR VIABLE REMOVAL**	PROCESS MODIFICATION: DEVELOP AIR SCRUBBER APPLICATION FOR REMOVAL OF VOC LADEN AIR STREAM **GOAL DROPPED**	CONTINENTIAL CIRCUITS	200105	25
2-METHOXYETHANOL	REDUCE THE AMOUNT OF SOLVENT USAGE THROUGH MODIFYING TEST METHODS, PURCHASING MORE EFFICIENT APPARATUS, ELIMINATING PARTICULAR TESTS WHEN PRODUCTS WITHIN SPECIFICATIONS.	THROUGH PURCHASING MORE EFFICIENT LABORATORY TEST EQUIPMENT, MODIFYING TEST PROCEDURES, AND ELIMINATING SPECIFIED TESTS.	REVLON CONSUMER PRODUCTS CORP.	200315	4
2-PROPANOL	REDUCE FUGITIVE RELEASES OF VOCS GENERATED FROM CLEANING AND WIPEDOWNS IN CLEANROON AND GOWNING AREAS OVER THE BASELINE VALUE ON A PRODUCTION NORMALIZED BASIS - 10% 1/1/99; 15% BY 1/1/2000.	BY REPLACING THE USE OF 100% LIQUID 2-PROPANOL SQUEEZE BOTTLES FOR WIPEDOWNS IN CLEANROOM AREAS WITH 6% PRE-SATURATED WIPES. ALSO USE 6% PRESATURATED WIPES AND MOPHEADS FOR JANITORIAL CLEANING IN CLEANROON AND GOWNING AREAS.	INTEL CORP.- CHANDLER CAMPUS	200191	18
ABSORBENT SOCKS AND MATS	REDUCE THE AMOUNT OF ABSORBENT SOCKS AND MATS DISPOSED OF AT LANDFILLS	USE RECYCLABLE ABSORBENT SOCKS AND MATS	MCCULLOCH CORP (LAKE HAVASU)	200234	12
ABSORBENTS	SOLVENT REPACKAGING - ABSORBENTS AND FILTERS: REVISE DISPOSAL METHOD FOR ABSORBENTS & SOLVENTS	USE HIGH BTU ABSORBENTS SO THIS WASTE STREAM CAN BE DIRECTED TO ALTERNATIVE FUELS RATHER THAN INCINERATION. PROPER SEGREGATION AND PROFILING	UNIVAR USA, INC.	200426	3
ACETIC ACID	(1) REDUCE THE HAZARDOUS WASTE GENERATION OF ACETIC ACID WITH SILVER THIOSULFATE SOLUTION FROM THE WET PROCESSING OF X-RAYS BY 9/30/1997. THIS WASTE FLUID IS SENT OFF-SITE FOR METAL RECOVERY AND RECYCLING. (2) ELIMINATE ALL USE OF X-RAY PROCESSING CHEMICALS BY 1/2003	(1) INVESTIGATE NEW TECHNOLOGIES AND PROCESSES AND PHASE IN DRY X-RAY PROCESSING. (2) IMPLEMENT A PHOTO OR DRY LASER SYSTEM, THUS DOING AWAY WITH ALL CHEMICAL PROCESSING.	GOOD SAMARITAN REGIONAL CENTER	200547	2
ACETIC ACID	REDUCE THE AMOUNT OF WASTE PHOTORESIST AND CHEMICALS USED IN ETCHING AND CLEANING PROCESSES ASSOCIATED WITH THE NEGATIVE RESIST PROCESS.	REPLACE MECHANICAL PUMPS WITH MICROPROCESSOR CONTROLLED PRESSURE PUMPS TO CONTROL APPLICATION; SUBSTITUTE NEGATIVE WITH POSITIVE PHOTORESISTN PROCESS.	MOTOROLA SCG	200253	23
ACETIC ACID	REPLACE USE OF ACETIC ACID WITH WEAK SULFURIC ACID ALREADY AVAILABLE FROM DEOXIDIZING HAND CORRECTION CYLINDER	(1) INSTALL A WEAK ACID SUPPLY LINE (2) USE UP CURRENT SUPPLY OF ACETIC ACID THEN SWITCH TO WEAK SULFURIC ACID	R.R.DONNELLEY PRINTING COMPANY	200307	1
ACETONE/ PROPANE	REDUCE USE OF AEROSOL TOUCH-UP SPRAY.	REPLACE PAINT SPRAY CANS WITH AIR SPRAY SYSTEM; RESEARCH ALTERNATIVES, CONDUCT TESTING OF ALTERNATIVES, IMPLEMENT NEW METHOD	ADOBEAIR, INC.	200008	4
ACETONE	REDUCE ACETONE LOST THROUGH AIR EMISSIONS.	REVIEW ACETONE CLEANING PROCESS AND EQUIPMENT.	ADVANCED CONSTRUCTION PRODUCTS, INC.	200565	3

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ACETONE	REDUCE THE USE OF ACETONE BY 20% FOR GALVANIZED STEEL TUBE.	REPLACE THE INTERIOR PIPE COATING WITH ONE THAT IS LESS TOXIC. EXPLORE THE REPLACEMENT OF THE "SMOG HOG" WITH A POLLUTION CONTROL DEVICE THAT DOES NOT REQUIRE CLEANING WITH ACETONE.	ALLIED TUBE AND CONDUIT	200032	20
ACETONE	REDUCE USE AND EMISSIONS OF ACETONE.	USE SELF CLOSING AND CLOSED CONTAINERS; TRAIN EMPLOYEES.	AMERICAN FIBERGLASS	200533	3
ACETONE	REDUCE MATERIAL LOSSES DUE TO STORAGE.	IMPROVE HOUSEKEEPING IN STORAGE AREA. ENSURE ALL CONTAINERS ARE LABELED WITH CONTENTS AND DATE PURCHASED/ OPENED. PLACE ALL CONTAINERS IN PRESCRIBED AREAS SO IT IS EASIER TO PERFORM INSPECTION. USE MATERIAL ON FIRST-IN-FIRST-OUT BASIS.	AMERICAN FIBERGLASS	200533	4
ACETONE	REDUCE ACETONE USAGE IN GEL COAT OPERATION	REVISE THE ROLLER CLEANING METHOD. ROLLERS WILL BE SOAKED IN A SEALED CONTAINER. EMPLOYEES WILL NOT USE ACETONE TO CLEAN HANDS, RATHER GLOVES WILL ALWAYS BE WORN.	AMERICAN FIBERGLASS	200533	8
ACETONE	REDUCE THE USE OF ACETONE AS A CLEANING SOLVENT.	INSTALL AND HAVE OPERATIONAL A BUCKET WASHING MACHINE.	ARIZONA MARBLE INC.	200546	2
ACETONE	REDUCE THE USE OF ACETONE BY 10%.	REPAIR THE AQUEOUS BUCKET CLEANING MACHINE TO WORKING ORDER.	ARIZONA MARBLE INC.	200546	7
ACETONE	MAINTAIN WASTE MINIMIZATION ACHIEVEMENT OF IMPLEMENTING AQUEOUS BUCKET WASHING.	TRAIN EMPLOYEES ON THE PROPER OPERATION OF THE BUCKET WASHING MACHINE ANNUALLY.	ARIZONA MARBLE INC.	200546	8
ACETONE	REDUCE ACETONE EMISSIONS FROM THE TOOL CLEANING TANK BY 10%.	REPAIR OR REPLACE THE TOOL CLEANING TANK SO THE LID CLOSES WITH NO VISIBLE GAPS.	ARIZONA MARBLE INC.	200546	9
ACETONE	ELIMINATE THE USE OF ACETONE USED TO CLEAN EQUIPMENT AND TOOLS. ACTION PLAN (1) RESEARCH ALTERNATIVES. ACTION PLAN (2) TEST SEVERAL ON SMALL SCALE. ACTION PLAN (3) IMPLEMENT BEST ALTERNATIVE	REPLACE ACETONE WITH EITHER REPLACETONE, MARBLE CLEAN OR ANOTHER SAFER ALTERNATIVE CLEANER.	AVONTI MFG. INC	200540	2
ACETONE	REDUCE CURRENT USAGE OF ACETONE EMISSIONS USED TO CLEAN EQUIPMENT AND TOOLS.	COVER ALL BOTTLES & BUCKETS OF ACETONE WITH AUTOMATIC COVERS TO REDUCE ACETONE EMISSIONS & SAVE UNNECESSARY PRODUCT LOSS.	AVONTI MFG. INC	200540	3
ACETONE	ELIMINATE CURRENT USAGE OF ACETONE BY 50% IN THE BUCKET WASHING PROCESS.	INSTALL A BUCKET WASHING MACHINE THAT USES A WATER-BASED CLEANER INSTEAD OF ACETONE.	AVONTI MFG. INC	200540	4
ACETONE	REDUCE THE USE OF ACETONE BY 50% IN THE TOOL AND BUCKET CLEANING AREA.	PURCHASE AND INSTALL BUCKET WASHING MACHINE. TRAIN EMPLOYEES IN ITS PROPER USE.	AVONTI MFG. INC	200540	6
ACETONE	ELIMINATE ACETONE USAGE.	REMOVE ACETONE AS A HEAT TRANSFER AGENT FROM THE FACILITY	BOC GASES	200020	5
ACETONE	REDUCE ACETONE USAGE 50%.	BEGIN TRAIL OF WATER BASED CEMENTS BY 10/97 AND IMPLEMENT PROCESS CHANGES BY 1/98.	CHROMIZING ARIZONA	200095	15
ACETONE	ELIMINATE ACETONE USED IN TITANIUM PARTS CLEANING	REPLACE ACETONE WITH AQUEOUS BASED CLEANER	CHROMIZING ARIZONA	200095	19
ACETONE	REDUCE PURCHASE OF ACETONE USED TO CLEAN REUSABLE STYRENE RESIN CONTAINERS (TOTES) RETURNED FROM CUSTOMERS.	INSTALL AN ACETONE RECOVERY STILL AND DISPOSE OF STILL BOTTOMS OFF-SITE BY FUEL BLENDING.	COMPOSITES ONE L.L.C.	200100	1
ACETONE STILL BOTTOMS	ELIMINATE THE ACETONE/ STYRENE RESIN STILL BOTTOM WASTE STREAM FROM ACETONE RECYCLING **DROPPED**	EVALUATE REUSING THE RESIN/ ACETONE STILL BOTTOM MATERIAL TO MAKE LANDSCAPE PAVING STONES THUS ELIMINATING THIS DISPOSAL.	COMPOSITES ONE L.L.C.	200100	2
ACETONE	REDUCE ACETONE EMISSIONS AND REDUCE THE AMOUNT OF ACETONE RECYCLED THROUGH THE STILL	CONDUCT EVALUATIONS OF ACETONE USAGE AND IMPLEMENT OPTIMIZATION OF PROCESS.	COMPOSITES ONE L.L.C.	200100	3
ACETONE	REDUCE THE AMOUNT OF ACETONE NEEDED TO CLEAN THE RETURNED RESIN CONTAINERS.	INVESTIGATE QUICKER RETURN OF RESIN CONTAINERS FROM CUSTOMERS SO RESIN DOES NOT HARDEN BEFORE REUSE.	COMPOSITES ONE L.L.C.	200100	4
ACETONE	REDUCE USE OF ACETONE TO CLEAN TOTES.	DEVELOP AND TEST POLYETHYLENE BAG LINERS FOR USE IN RESIN TOTES. STUDY AND TEST USE OF WATER BASE EMULSIFIERS.	COMPOSITES ONE L.L.C.	200100	5
ACETONE	REDUCE THE GENERATION OF HAZARDOUS WASTE CONTAINING ACETONE.	REPLACE ACETONE AS A CLEANING SOLVENT WITH A WATER BASED EMULSIFIERS.	COMPOSITES ONE L.L.C.	200100	6
ACETONE	PILOT PLANT 6C: REPLACE ACETONE WITH LOWER VAPOR PRESSURE SOLVENT (NMP) FOR CLEANUP	ACTIONS 1-2: DETERMINED THAT NMP CLEANS AS EFFECTIVELY AS ACETONE; NMP NOW IN USE TO REDUCE VOC EMISSIONS	CYTECFIBERITE	200185	27
ACETONE	REDUCE THE AMOUNT OF ACETONE USED FOR DILUTION BY CMR.	EVALUATE THE SAFETY OF REDUCING ACETONE DILUTION RATION.	CYTECFIBERITE	200185	38
ACETONE	ELIMINATE ACETONE, HAZARDOUS AIR POLLUTANT, USED FOR CLEANING.	REPLACE WITH A LESS HAZARDOUS OR NON HAZARDOUS CLEANER.	CYTECFIBERITE	200185	48

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
ACETONE	EQUIPMENT CLEANING: REDUCE OR ELIMINATE THE USE OF ACETONE TO CLEAN CHOPPER SPRAY GUNS, ROLLERS, GEL COATER SPRAY GUN AND BRUSHES.	REPLACE THE USE OF ACETONE WITH AN EMULCIFIER.	DESERT SUN FIBERGLASS SYSTEMS	200551	8
ACETONE	REDUCE THE USE OF ACETONE FOR TOOL CLEANING IN MARBLE MANUFACTURING	TEST AND IMPLEMENT A SUBSTITUTE FOR ACETONE.	DISTINCTIVE MARBLE	200496	1
ACETONE	REDUCE FACTORY USE AND WASTE OF ACETONE	CONTROL FACTORY ACETONE USE AND WASTE BY 50%: IMPLEMENT STORING AND RECYCLING PROCEDURES, PHASE IN SUBSTITUTES	DISTINCTIVE MARBLE	200496	2
ACETONE	REDUCE USE OF ACETONE AS A SOLVENT TO CLEAN TROWELS & MIXERS IN CULTURED MARBLE MANUFACTURING.	PURCHASE A SOLVENT RECYCLING SYSTEM THAT WOULD ALLOW IN HOUSE RECYCLING OF SPENT ACETONE	DQC MANUFACTURING, INC.	200497	1
ACETONE	REDUCE THE USE OF ACETONE.	PURCHASE AN AUTOMATED MACHINE THAT USES A SAFE SOLVENT FOR CLEANING OUR MIXING VESSELS	DQC MANUFACTURING, INC.	200497	2
ACETONE	REDUCE THE USE OF ACETONE THRU CONTINUED IMPLEMENTATION OF INSTALLED, ON-SITE SOLVENT RECLAMATION EQUIPMENT. CONTINUE TO UTILIZE THE AUTOMATED MACHINE (MIXING VESSELS) CLEANING EQUIPMENT. INSTITUTE CONTINUAL SOURCE REDUCTION ACTIONS THROUGH: GOOD OPERATING PRACTICES AND INVENTORY CONTROL.	IMPROVE MAINTENANCE BY SPECIFYING DOWN-TIME RIGHT AFTER SHIFT END; INSTITUTE BETTER INVENTORY CONTROL	DQC MANUFACTURING, INC.	200497	3
ACETONE	REDUCE THE USE OF ACETONE.	INSTITUTE OFF-SITE RECYCLING OF DEGRADED ACETONE SHOULD THE ON-SITE SYSTEM BE UNABLE TO HANDLE THE QUANTITY OR QUALITY. EXPLORE THE POSSIBILITY OF REPLACING ACETONE WITH AN ENVIRONMENTALLY FRIENDLY ALTERNATIVE. SEEK OPTIONS (AQUEOUS CLEANERS) FOR ACETONE CLEANING AND DEGREASING.	DQC MANUFACTURING, INC.	200497	5
ACETONE	REDUCE THE GENERATION OF WASTE ACETONE BY CHANGING THE ONSITE SILVER RECLAMATION PROCESS.	1) INVESTIGATE ALTERNATIVES TO SOLVENT CLEANING SILVER FLAKE FOR ONSITE REUSE 2) EVALUATE ECONOMICS AND AUDIT OFFSITE FACILITIES OFFERING ALTERNATIVES 3) QUALIFY THE ALTERNATIVE PROCESS 4) DEVELOP A MANAGEMENT SYSTEM TO FACILITATE OFFSITE PROCESSING.	DUREL CORPORATION	200518	18
ACETONE	ELIMINATE SOLVENT BASED INK IN AT LEAST ONE APPLICATION PER YEAR	IDENTIFY AND TEST NON-SOLVENT BASED INK	DUREL CORPORATION	200518	3
ACETONE	REDUCE POTENTIAL POSSIBILITIES FOR LEAKS AND SPILLS IN CHEMICAL STORAGE AREA.	REVIEW THE FACILITY CONTAINER MANAGEMENT PROCESS TO ASSURE THE FOLLOWING IS BEING DONE: PROPER CONTAINER STORAGE, CONDUCT PERIODIC STORAGE AREA AND FACILITY WALK THROUGH TO REINFORCE TO EMPLOYEES THE NEED TO KEEP CONTAINERS CLOSED AT ALL TIMES EXCEPT WHEN ADDING OR REMOVING LIQUIDS; PREVENT OPEN CONTAINERS AND POORLY FITTING LIDS, LEAKING DRUMS, ASSURE PRIMARY AND SECONDARY CONTAINERS ARE LABELED, ETC.	FIBER FAB INC.	200707	1
ACETONE	REDUCE ACETONE EMISSIONS IN TOOL AND SPRAY GUN CLEANING OPERATION.	REVIEW CURRENT PRACTICES OF TOOL CLEANING WITH ACETONE. GOOD OPERATING PRACTICES FOR REDUCING ACETONE EMISSIONS INCLUDE: A. IMPLEMENTING PROCEDURES AND TRAINING TO ASSURE LIDS ON ACETONE CONTAINERS ARE KEPT CLOSED TO LIMIT EVAPORATIVE LOSSES; B. INSPECTING CONTAINERS TO ASSURE THEY ARE IN GOOD CONDITION, ENSURING PROPER CONTAINERS ARE USED SO THAT LIDS CAN PREVENT EVAPORATION AND ASSURING LIDS ARE KEPT CLOSED EXCEPT WHEN IN USE; C. IMPROVE CONTAINERS, PROCEDURES AND TRAINING FOR ACETONE USE AS APPROPRIATE.	FIBER FAB INC.	200707	4
ACETONE	PAINT WASTES: REDUCE EMISSIONS FROM PAINT SPRAYER PARTS CLEANING	INSTALLED A COVERED PARTS WASHER FOR SPRAYER PARTS IN THE AUTOMOTIVE PAINTING OPERATION	GM DESERT PROVING GROUNDS	200154	3
ACETONE/TRICHLOROETHYLENE	REDUCE THE AMOUNT OF SOLVENTS USED TO CLEAN AND DEGREASE PARTS BY 15% TO 100% - 1,1,1 TCA, ACETONE, STODDARD SOLVENT ***DROPPED DO TO FACILITY INACTIVE***	REPLACE ACETONE TANK WITH AQUEOUS CLEANING STATION; REPLACE VAPOR DEGREASERS;	GOODRICH TURBOMACHINERY PRODUCTS	200434	2
ACETONE	REDUCE THE AMOUNT OF WASTE STODDARD SOLVENT AND ACETONE USED IN CLEANING/DEGREASING	REPAIR THE SOLVENT STILL AND USE ON STODDARD SOLVENT AND ACETONE	GOODRICH TURBOMACHINERY PRODUCTS	200434	3
ACETONE	REDUCE THE TOTAL NUMBER OF UNIT TRANSFERS PER DAY BY 5% EACH YEAR FOR THE NEXT 5 YEARS (INCLUDING NON-VALUE ADDED CHEMICAL SHIPMENTS TO OFFSITE FACILITIES) IN SLIDE PRODUCTION, PAINTING & SHIPPING.	1) IDENTIFY OPPORTUNITIES TO ENABLE CHEMICAL VENDORS TO PROVIDE SHIPMENTS TO AES SERVICE CENTER NETWORKS & CUSTOMERS RATHER THAN PHOENIX AES REPACKAGING AND SHIPPING THEM. 2) IDENTIFY OPPORTUNITIES TO PURCHASE & STORE CHEMICALS IN BULK CONTAINERS (TOTES). PROVIDE PERMITS & ASSEMBLE QUOTES FOR BULK STORAGE. 3) EXPLORE POINT OF USE TYPE AUTOMATIC DISPENSING EQUIPMENT FOR GLUE MIXING. 4) EXPLORE CHEMICAL MIXING & DISTRIBUTION WITHIN INDIVIDUAL CELLS.	GOODRICH-AIRCRAFT EVACUATION SYSTEMS	200073	15

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
ACETONE	ELIMINATE ACETONE AND 1,1,1 TRICHLOROETHANE USED TO CLEAN ROLLERS AND DRUMS. ** GOAL DROPPED **	REPLACE WITH ALTERNATIVE CLEANERS.	GOULD ELECTRONICS, INC.	200163	6
ACETONE	REDUCE USE OF HAZARDOUS MATERIALS BY 25% BY DECEMBER 1999 THROUGH EVALAUTION AND INITIATION OF SOURCE REDUCTION PROGRAM. 7/2000: WE WERE BEEN ABLE TO ELIMINATE THE USE OF ACETONE WITHIN OUR FACILITY FOR PRODUCTION PURPOSES. CONSUMPTION NOW IS ONLY IN OUR ANALYTICAL AND MAINTENANCE FACILITIES WITH AN ESTIMATED USAGE OF 20 GALLONS PER YEAR. SEE GOAL 7 WHICH ADDRESS IPA IN 9/2000 AMENDMENT. ISOPROPYL ALCOHOL IS STILL BEING USED IN PRODUCTION AT 1550 POUNDS PER YEAR. A NEW METHOD OF CLEANING W/O USING ISOPROPYL ALCOHOL IS PLANNED FOR IMPLEMENTATION IN Q4.2000. TARGETED REDUCTIONS SHOULD BE VERIFIED BY JUNE 2001 (GOAL 7)	IMPLEMENT SOURCE REDUCTION PROGRAM	HERAEUS INC.--MATERIALS TECH. DIVISION	200171	4
ACETONE	REDUCE THE NUMBER OF SOLVENT CONTAINERS FOUND THROUGHOUT THE PLANT (ACETONE AND MEK).	IDENTIFY CONTAINERS AND PURPOSE, IDENTIFY SAFE AREA FOR CONTAINERS, DEVELOP PROCEDURE FOR CONTAINERS, SUBSTITUTE FOR HAP & VOC'S	HEXCEL CORPORATION	200464	12
ACETONE	REDUCE EMISSIONS FROM PHENOLIC RESINS.	CHANGE FROM USING A PHENOLIC RESIN FROM ACETONE MIXTURES TO A WATER BASE RESIN	HEXCEL CORPORATION	200464	15
ACETONE	REPLACE ACETONE BASED PRIMER WITH WATER BASE PRIMER AT PAA. ACTION PLAN: 1) RESEARCH ALTERNATIVES 2) PERFORM SMALL SCALE TESTING 3) PERFORM CUSTOMER REQUALIFICATION 4) IMPLEMENT CHANGE.	REPLACE ACETONE AT PAA LINE	HEXCEL CORPORATION	200464	18
ACETONE	REDUCE ACETONE AND MEK EMISSIONS 98%.	DUCT EXAUST TO THERMAL OXIDER	HEXCEL CORPORATION	200464	20
ACETONE	PROVIDE CONTAINMENT AREAS IN ADHESIVE MIX STORAGE OF LIQUID HAZARDOUS MATERIALS. ACTION PLAN: 1) DETERMINE CONTAINMENT REQUIREMENTS 2) REVIEW ALTERNATIVES, COST CONFIRMATION.	PROVIDE IMPROVED CONTAINMENT FOR SPILL AND LEAK PREVENTION	HEXCEL CORPORATION	200464	21
ACETONE	INSTALL UNDERGROUND STORAGE TANKS EQUIPPED WITH SECONDARY CONTAINMENT, SPILL AND OVERFILL PROTECTION, AND CORROSION PROTECTION	INSTALL STORAGE TANK WITH PROPER CONTAINMENT	HEXCEL CORPORATION	200464	23
ACETONE	REDUCE OR ELIMINATE THE USE OF ACETONE FOR FLOOR CLEANING PURPOSES	REPLACE ACETONE WITH A CLEANER THAT IS LESS FLAMMABLE AND/OR LESS TOXIC	HEXCEL CORPORATION	200464	25
ACETONE / METHANOL	SMALLER BATCHES OF MIX AND TOWER REDUCTIONS: REDUCE AMOUNT OF UNUSED RESINS AND ADHESIVES TO GENERATE LESS WASTE	MAKE SMALLER QUANTITIES (ETHANOL AND EPOXY), REUSE SOLVENTS (MEK), SUBSTITUTE ACETONE FOR MEK, BALANCE OVENS TO AID OXIDIZER	HEXCEL CORPORATION	200464	3
ACETONE	ELIMINATE ACETONE MOPPING OPERATION AFTER HONEYCOMB IS DIPPED ACETONE BASED PHENOLIC RESIN	RESEARCH AND SELECT A SUBSTITUTE RESIN CLEANER FOR ACETONE	HEXCEL CORPORATION	200464	4
ACETONE / METHANOL	REVISE BLOW OFF PROCEDURE TO CAPTURE VAPORS (RESIN ETHANOL, IPA AND ACETONE) FROM PURGING/CURING OPERATION	DETERMINE SAFETY PROCEDURE FOR OVER THE TANK BLOW OUT, INSTALL BLOW OUT BOOTH TO CAPTURE VAPORS	HEXCEL CORPORATION	200464	5
ACETONE	REDUCE ACTEONE USE BY 60% AND MONITOR THROUGH THE MARICOPA COUNTY ANNUAL EMISSIONS REPORT	REUSE ACETONE IN PAINT CLEANING OPERATIONS	HONEYWELL - 19TH AVE PHOENIX	200181	13
ACETONE	IMPROVE SCREEN WASHING PROCESS TO REDUCE VOC EMISSIONS AND REDUCE GENERATION OF HAZARDOUS WASTE WIPES. REDUCE WIPE DISPOSAL BY 50% AND VOC EMISSIONS BY 80%. INVESTIGATE REGULATORY ISSUES ASSOCIATED WITH USING THE SCREEN WASHING MACHINE TO CLEAN INK FROM WIPES. CONDUCT A PILOT STUDY. IMPLEMENT NEW PROCESS.	IMPROVE SCREEN WASHING PROCESS TO REDUCE VOC EMISSIONS AND REDUCE GENERATION OF HAZARDOUS WASTE WIPES BY REPLACING NAZDAR SCREEN WASH WITH CITRUS-BASED SOLVENT, USING SCREEN WASHER TO CLEAN INK FROM WIPES, AND EQUIPING SCREEN WASHER WITH VAPOR RECOVERY SYSTEM.	INNOVEX SOUTHWEST, INC.	200511	8
ACETONE, H2SO4, ETC.	OVERALL GOAL: REDUCE CHEMICAL USE PLANTWIDE 1990 - 1992 (35%) 1992 - 1997 (10%)	SEE THE FOLLOWING SPECIFIC GOALS	INTEL CORP.- CHANDLER CAMPUS	200191	1
ACETONE	MODIFY EQUIPMENT TO USE LESS ACETONE (SEE GOAL 2) **DROPPED**	GOAL DROPPED: ACETONE TO BE ELIMINATED FROM THIS PROCESS INSTEAD (REFER TO GOAL 2)	INTEL CORP.- CHANDLER CAMPUS	200191	14
ACETONE	REDUCE ACTEONE USE IN PHOTORESIST COATER PROCESS TO RINSE THE MACHINE (4) CUP TO REMOVE PHOTORESIST RESIDUE	PROJECT CHANGED TO ELIMINATE ACETONE USE IN THIS PROCESS AND SUBSTITUTE WITH LESS VOLATILE CHEMICAL RATHER THAN ALTER. MACHINES	INTEL CORP.- CHANDLER CAMPUS	200191	5
ACETONE	REDUCE BY 25% THE BASELINE AMOUNT OF ACETONE EMISSIONS FROM CLEANING RESIN FROM TOOLS AND MACHINERY ***INACTIVE FACILITY***	PURCHASED ACETONE RECYCLER, ENSURE LIDS ARE SECURELY FASTENED ON ACETONE CONTAINERS, GOOD HOUSEKEEPING	J B RODGERS MECHANICAL CONTRACTOR, INC	200200	2

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
ACETONE	REDUCE ACETONE CONSUMPTION DURING METAL BRAZING ACTIVITIES BY 20% BY THE END OF 1998.	EVALUATE AQUEOUS OR SEMI-AQUEOUS CLEANERS TO REPLACE ACETONE DURING CLEANING OPERATIONS. ALSO, IMPLEMENT MATERIAL CONSERVATION AND BEST MANAGEMENT STRATEGIES TO REDUCE ACETONE CONSUMPTION.	KARSTEN PRECISION BRAZE-WELD-PLATE	200230	3
ACETONE	REDUCE ACETONE CONSUMPTION.	EVALUATE AQUEOUS OR SEMI-AQUEOUS CLEANERS AND IMPLEMENT MATERIAL CONSERVATION/ BEST MANAGEMENT STRATEGIES TO REDUCE ACETONE CONSUMPTION.	KARSTEN PRECISION, HEAT TREAT DIVISION	200342	7
ACETONE	REDUCE SOLID WASTE IN MARBLE PRODUCTION	REVIEW FIELD MEASUREMENTS; ADDED DIMENSION TO MEASUREMENT PROCEDURE TO IMPROVE ACCURACY AND REDUCE WASTE	L & M LAMINATES AND MARBLE	200512	1
ACETONE	REDUCE THE USE OF ACETONE AS CLEANING SOLVENT BY 25%	REQUIRE OPERATORS TO MEASURE AND CLEAN ALL RESIDUE FROM BUCKETS BEFORE WASHING;INSTALL BUCKET WASHERS THAT USES SUPERIOR SUPER BLUE, A WATER SOLUBLE DETERGENT VS ACETONE	L & M LAMINATES AND MARBLE	200512	2
ACETONE	REDUCE ACETONE EMISSONS BY 10%.	ADD COVERS TO DIP TRAYS. IMPROVE HANDLING METHODS.	LITTON ELECTRO - OPTICAL SYSTEMS	200218	11
ACETONE	REPLACE SOLVENTS WITH AQUEOUS CLEANER.	IMPLEMENT FEASIBLITY STUDIES FOR USING AQUEOUS CLEANERS AS CLEANING OPTIONS IN PROCESS AREAS #1 AND #2 BY 7/31/99, HAVING REQUESTED CAPITAL EXPENDITURES BY 7/31/98.	LITTON ELECTRO - OPTICAL SYSTEMS	200218	13
ACETONE	REPLACE ACETONE WITH A NON-TOXIC MATERIAL FOR USE ON THE FRP EQUIPMENT TO REDUCE VOC EMISSIONS	MATERIAL SUBSTITUTION: REPLACE ACETONE WITH AN AQUEOUS (NON-TOXIC, WATER SOLUBLE) CLEANER CALLED "SHIP SHAPE" FOR USE ON CLEANING THE FRP TOOLS AND EQUIPMENT WE WERE ABLE TO REDUCE OUR ACETONE USAGE 73%.	MAAX SPAS ARIZONA, INC.	200102	4
ACETONE	ELIMINATE THE ACETONE USED IN THE BUCKET AND SMALL TOOL CLEANING ***INACTIVE FACILITY****	USE "MARBLE CLEAN" SYSTEM AS AN ALTERNATIVE TO ACETONE	MARCOR INDUSTRIES, INC.	200539	1
ACETONE	ELIMINATE THE USE OF ACETONE IN BUCKET AND SMALL TOOL CLEANING.	INSTALL A SYSTEM THAT USES "MARBLE WASH" AS AN ALTERNATIVE TO ACETONE; ALSO INSTALLED A PRESOAK UNIT, BUCKET WASHING DEVICE, AND DRAINAGE PAN	MARLAM INDUSTRIES, INC.	200532	2
ACETONE	REDUCE SOLID WASTES, ACETONE, STYRENE EMISSION AND DUST PARTICLES ASSOCIATED WITH THE MARBLE CASTING PROCESS.	INSTALL A NEW ADM MARBLE CASTING MACHINE WHICH WILL ELIMINATE OVERPOURING MOLDS COLOR ERRORS, MISMATCHES AND RESIDUE.	MESA FULLY FORMED	200241	1
ACETONE	REDUCE THE AMOUNT OF CHEMICAL USED FOR REMOVING THE PHOTORESIST IN THE WAFER EDGE BEAD REMOVAL PROCESS (EBR)	PROCESS MODIFICATION WILL CHANGE MANNER IN WHICH EBR SOLVENT IS APPLIED TO WAFER	MICROCHIP TECHNOLOGY-CHANDLER	200247	1
ACETONE	EVALUATE POTENTIAL FOR SENDING COATER CUPS AND PROCESS KITS FROM DRY ETCHERS TO AN EXTERNAL VENDOR FOR CLEANING - ACETONE/ISOPROPANOL USAGE REDUCTION.	OFF-SITE VENDOR CLEANING INITIATED 09/95	MICROCHIP TECHNOLOGY-CHANDLER	200247	16
ACETONE	REPLACE ACETONE COMPONENT IN THE WAFER EDGE BEAD REMOVAL PROCESS BY AUGUST 1992	PRODUCT SUBSTITUTION WITH AN ACETONE FREE PHOTORESIST AND EBR SOLVENT FROM HOESCH (CELANESE)	MICROCHIP TECHNOLOGY-CHANDLER	200247	2
ACETONE	ELIMINATE THE USE OF ACETONE FOR DEWETTING AFTER NICKEL PLATING AND RESIDUAL WATER REMOVAL AFTER DIE CLEANING	INSTALL A HOT AIR DRYING SYSTEM FOR DRYING COMPONENTS AND SUBSTITUTE ISOPROPYL ALCOHOL	MICROSEMI CORP.	200246	5
ACETONE	AREA C-1:REDUCE THE ACIDS AND SOLVENTS USED IN THE WAFER MOUNT DEFINITION PROCESS SEQUENCE (PHOTORESIST COAT, DEVELOP, ETCH, PHOTORESIST STRIP & CLEAN PROCESSES)	RESEARCH POSSIBILITY TO ELIMINATE WAFER PROCESS STEPS OF PHOTORESIST COAT, DEVELOP, ETCH, PHOTORESIST STRIP, AND CLEAN	MOTOROLA SCG	200253	8
ACETONE	REDUCE THE USE OF ACETONE BY 10% BY USING ALTERNATIVE CLEANING SOLVENTS.	REDUCE THE USE OF ACETONE BY 10% BY USING ALTERNATIVE CLEANING SOLVENTS.	MOUNTAIN MARBLE MFG., INC.	200548	5
ACETONE	ELIMINATE CONTAMINATION OF 6,000 GAL SOLVENT TANKS FROM UNKNOWN SOURCES.	INVESTIGATE CAUSES OF CONTAMINATION THAT SEEM TO OCCUR TWICE EVERY YEAR.	NELCO TECHNOLOGY, INC.	200265	16
ACETONE	ELIMINATE SPILLS OF VARIOUS SOLVENTS DUE TO EMPLOYEE ERRORS AND TANK OVERFLOW.	TRAIN EMPLOYEES; INTERVIEW EMPLOYEES TO GET MORE SUGGESTIONS; CONSIDER OVERFLOW ALARMS FOR TANKS. TRAINING HAS BEEN PRODUCTIVE.	NELCO TECHNOLOGY, INC.	200265	17
ACETONE	REDUCE THE AMOUNT OF VOC EMISSIONS FROM THE THERMAL OXIDIZER.	INCREASE THE EFFICIENCY OF THE THERMAL OXIDIZER BY INCREASING THE DESTRUCTION EFFICIENCY BY 3%. A NEW MORE EFFICIENT THERMAL OXIDIZER WAS PURCHASED & INSTALLED. DESTRUCTION EFFICIENCY INCREASED FROM 97% TO 99%.	NELCO TECHNOLOGY, INC.	200265	19

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
ACETONE	MINIMIZE SOLVENT SPILLAGE WHEN DISCONNECTING HOSES.	IMPLEMENT POLICY TO DRAIN ALL SOLVENT FROM HOSES PRIOR TO DISCONNECTING. PRESSURE RELIEVING VALVES WERE INSTALLED & PIPES WERE RE-SLOPED TO ELIMINATE SPILLAGE.	NELCO TECHNOLOGY, INC.	200265	20
ACETONE	ELIMINATE DISPOSAL OF FLAMMABLE SOLIDS BY INCINERATION.	REDIRECT FLAMMABLE SOLIDS FROM INCINERATION TO FUELS BLENDING. INSIST THAT WASTES BE SENT TO A FUEL BLENDING FACILITY.	NELCO TECHNOLOGY, INC.	200265	21
ACETONE	REDUCE SPENT SOLVENT GENERATED FROM THE CLEANING OPERATION.	RESCHEDULE TREATER RUNS TO MINIMIZE THE NUMBER OF WEEKLY RESIN CHANGEOUT CLEANINGS.	NELCO TECHNOLOGY, INC.	200265	29
ACETONE	REDUCE FUGITIVE EMISSIONS OF SOLVENTS GENERATED BY THE COATER/TREATER OPERATION FROM 1166 GAL/MO PER MONTH TO 991 GAL/MO (15% REDUCTION)	(1) INVESTIGATE METHODS TO IMPROVE SOLVENT CAPTURE RATIO (CURRENTLY 85%) IN THE TREATER BAY (2) KEEP DRIP PAN ENCLOSURE CLOSED	NELCO TECHNOLOGY, INC.	200265	8
ACETONE	REDUCE THE AMOUNT OF WASTE RESIN AND SOLVENTS (MEK AND ACETONE)	SELL THE "OFF SPEC" MATERIALS TO SECONDARY USERS.	NELTEC, INC.	200491	10
ACETONE	REDUCE SPENT SOLVENT GENERATED FROM THE CLEANING OPERATION.	RESCHEDULE TREATER RUNS TO MINIMIZE THE NUMBER OF WEEKLY RESIN CHANGEOUT CLEANINGS.	NELTEC, INC.	200491	11
ACETONE	REDUCE THE AMOUNT OF VARIOUS CHEMCIALS DISPOSED OF AND INCREASE RECYCLING OPPORTUNITIES	ANNUALLY REVIEW ALL WASTE STREAMS WITH DISPOSAL AND RECYCLING CONTRACTORS TO DETERMINE BEST AVAILABLE WASTE MANAGEMENT PRACTICES	NELTEC, INC.	200491	6
ACETONE	REDUCE FUGITIVE EMISSIONS BY REDUCING OVERALL SOLVENT CONSUMPTION.	SUBSTITUTE SOLVENTS WITH SIMILAR SOLUBILITY AND DISSIMILAR EVAPORATIVE PROPERTIES WITH LESS TOXIC SUBSTANCES; REDESIGN SYSTEM AND INSTALL A VISCOSITY SYSTEM; MAKE ALTERATIONS TO THE PROCESS AIR.	NELTEC, INC.	200491	8
ACETONE	REDUCE FUGITIVE EMISSIONS OF MEK AND ACETONE	INCREASE OPERATOR TRAINING; REDUCE OPEN CONTAINER PROCESSES AND INSURE PROPER VENTILATION.	NELTEC, INC.	200491	9
ACETONE	REDUCE VOLUME OF WASTE WATER RELEASED TO THE NORTH TANK FARM SPILL CONTAINMENT TANK BY 15%.	EDUCATE WORKFORCE TO CONTROL SPILLS AND IMPROVE CLEANUP PROCEDURES; MODIFY EQUIPMENT LAYOUT IN MIX RM.	NORTHROP-GRUMMAN	200174	1
ACETONE / 2-ETHOXYETHANOL	INVESTIGATE FEASIBILITYOF ONSITE SOLVENT RECYCLING OF WASTE RESIN/ SOLVENT MIXES FOR RECOVERING BTU CONTENT ONSITE.	RESEARCH METHODS TO USE EXISTING THERMAL OXIDIZER; RESEARCH REGULATORY ISSUES. **DROPPED**	NORTHROP-GRUMMAN	200174	3
ACETONE/GLYCOL ETHER	REDUCE AMOUNTS OF WASTE GENERATED IN MIX ROOM.	CREATE TEAM; MODIFY EQUIPMENT LAYOUT TO ALLOW FOR EASIER CLEANUP.	NORTHROP-GRUMMAN	200174	5
ACETONE	REDUCE OR REPLACE METHANOL, ACETONE, AND IPA (BASELINE QUANTITY FOR ALL THREE CHEMICALS)	EVALUATE EFFECTIVE LIFE OF SOLVENT CLEANING BATHS, REVISE PROCEDURES ON NUMBER OF TIMES A BATH MAY BE REUSED; EVALUATE REPLACEMENT SOLVENTS	OPTO POWER CORPORATION	200723	1
ACETONE	MAINTAIN WASTE MINIMIZATION ACHIEVEMENT OF IMPLEMENTING AQUEOUS CLEANING MACHINE.	TRAIN EMPLOYEES ON PROPER OPERATION OF THE BUCKET WASHING MACHINE ANNUALLY. PERFORM PREVENTATIVE MAINTENANCE TO KEEP MACHINE IN WORKING ORDER.	PATRICIAN MARBLE COMPANY, L.L.P.	200545	3
ACETONE	ELIMINATE THE USE OF ACETONE IN MOLYBDENUM SULFIDE ANALYSIS. (GOAL 1, PROCESS AREA #1)	EDUCATE LABORATORY STAFF ON SELECTING LESS OR NON-HAZARDOUS CHEMICAL SUBSTITUTES. IDENTIFY AND IMPLEMENT A SUBSTITUTE.	PHELPS DODGE SIERRITA, INC.	200694	1
ACETONE	REDUCE VOC EMISSIONS FROM ACETONE BY 40%. REDUCE OVERALL USAGE OF ACETONE BY 30%	SUBSTITUTE WITH A CITRUS SOLVENT; INSTALL VENTED ACETONE CLEANING STATION WITH CARBON ABSORPTION/ CONDENSER UNIT, REPLACE ACETONE WASH BOTTLES WITH SUBSTITUTE	PRECISION PLATING, INC.	200531	4
ACETONE/ISOPROPANOL	VOC REDUCTION PROJECTS: REDUCE ISOPROPANOL USE BY 20%, ACETONE USE BY 20%, CLEAR LACQUER SPRAY USE BY 95% ** GOAL DROPPED**	IMPLEMENT WATER SOLUBLE FLUXES; FIND ALTERNATE FOR ACETONE; IMPLEMENT MECHANICAL MARKING MACHINE	RAYTHEON COMPANY USAF PLANT 44	200184	19
ACETONE	OVERALL GOAL OF REDUCING HAZARDOUS WASTE 25% BY 1996. REDUCING WASTE FROM NAIL ENAMEL IN BOTTLES IS THE FIRST PRIORITY.	REPLACE CAPPER TO PREVENT MISFEEDS; CHANGE PROCEDURES TO CHECK AND ADJUST ALIGNMENT MORE OFTEN; CHECK FOR LINER BREAKS BEFORE FILING BOTTLES; REUSE BOTTLES FOR SHADE CHANGES; REPLACE FILING EQUIPMENT TO PREVENT BOTTLE BREAKAGE.	REVLON CONSUMER PRODUCTS CORP.	200315	1
ACETONE	REDUCE THE DEBRIS AND NAIL ENAMEL IN THE RINSING SOLVENT FOR INCREASED RECYCLE RECOVERY.	SCREENS ON THE DRUM FUNNELS, INSTRUCTION VIDEOS ON THE PROPER WAY TO HANDLE WASTE GENERATED FROM THE PURGING OF THE FILLING LINES.	REVLON CONSUMER PRODUCTS CORP.	200315	2
ACETONE	REDUCE THE VOLUME OF ACETONE USED FOR THE FILLING MACHINE PURGING BY USING ACETONE DURING THE RINSE PROCESS.	THE FILLING LINES ARE RINSED WITH TWO PURGINGS, OF 5 GALLONS EACH, OF ACETONE. BY REUSING THE FINAL RINSE ACETONE FOR THE INITIAL RINSE OF THE NEXT RINSE PROCESS.	REVLON CONSUMER PRODUCTS CORP.	200315	3

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
ACETONE	ELIMINATE USE OF ACETONE AS A CLEANING SOLVENT.	USE ALTERNATIVE CLEANER. REPLACED ACETONE WITH AQUEOUS CLEANERS IN MOST APPLICATIONS.	SEA RAY BOATS, INC.	200334	14
ACETONE	UNTIL ELIMINATED, REDUCE AMOUNT OF ACETONE USED.	REUSE ACETONE FROM GUN SPRAY CLEANING IN CLAMP CLEANING TO REDUCE PURCHASE OF ACETONE.	SEA RAY BOATS, INC.	200334	15
ACETONE	REDUCE THE AMOUNT OF ACETONE USED	RESEARCH ON-SITE RECYCLING IN CASE ALTERNATIVE NOT FOUND.	SEA RAY BOATS, INC.	200334	16
ACETONE	REDUCE THE AMOUNT OF ACETONE USED.	IMPROVE MANAGEMENT PRACTICE, CONTROL DISPENSING, PRACTICE BETTER RECORD KEEPING, IMPROVE INVENTORY CONTROL, IMPROVE APPLICATION.	SEA RAY BOATS, INC.	200334	17
ACETONE	PREVENT SPILLS AND LEAKS UNDERGROUND OF ACETONE.	REMOVE UST.	SEA RAY BOATS, INC.	200334	18
ACETONE	REDUCE ACETONE EMISSIONS USED IN TOOL AND SPRAY GUN CLEANING OPERATION.	REVIEW CURRENT PRACTICES OF TOOL CLEANING WITH ACETONE TO ENSURE CONTAINERS ARE KEPT CLOSED TO LIMIT EVAPORATIVE LOSSES, ENSURING THE PROPER CONTAINERS ARE USED SO THAT LIDS CAN PREVENT EVAPORATION, AND IMPROVE CONTAINERS, PROCEDURES AND TRAINING FOR ACETONE AS APPROPRIATE.	SOUTHWEST FIBERGLASS,LLC	200611	5
ACETONE	INCREASE LIFE OF CLEANING TANK SOLVENT	RESEARCH INLINE FILTER SYSTEM, PERFORM COST ANALYSIS, IF FEASIBLE PURCHASE AND INSTALL, ADJUST VENDOR CONTRACT TO LESS FREQUENT PICKUP SCHEDULE.	TALLEY DEFENSE SYSTEMS - PLT 4	200370	22
ACETONE	REDUCE BY 50% THE AMOUNT OF PAINT THINNER USED FOR PAINT LINE FLUSHING THROUGH SOURCE REDUCTION/ RECYCLING.	SUBSTITUTE OR SUPPLEMENT THE THINNER WITH THE SOLVENTS DECANTED FROM EMPTY DRUMS. IF THIS OPTION IS NOT FEASIBLE, INSTALL A SOLVENT RECYCLING UNIT.	TED LEVINE DRUM CO	200376	10
ACETONE	REDUCE USE OF ACETONE BY 25% ON AN EWS BASIS OVER 1994 LEVELS	IMPLEMENT NEW WATER SOLUBLE TAPING PROCESS AT BACKGRIND	TEXAS INSTRUMENTS TUCSON	200077	10
ACETONE	REDUCE ACETONE USEAGE TO 1993 LEVELS FOR 1995 ** GOAL DROPPED **	IMPLEMENT SUFFICIENT CHANGES, IDENTIFIED IN GOAL #8	TEXAS INSTRUMENTS TUCSON	200077	12
ACETONE	REDUCE USE OF ACETONE TO LESS THAN 75% OF 1993 LEVELS ON AN EWS BASIS ** GOAL DROPPED **	DEFINE AND QUANTITATE THE USE OF ACETONE FOR EACH PROCESS. IMPROVE HANDLING KEEP LIDS CLOSED, NEW TAPING PROCESS AT BACKGRIND, POSSIBLE USE OF ALTERNATE SOLVENT	TEXAS INSTRUMENTS TUCSON	200077	8
ACETONE	REDUCE SOLVENT USAGE	COMPLETE EVALUATION OF AVAILABLE EQUIPMENT/ TECHNOLOGY, ASSESS OPERATIONS, SELECT OPTIONS AND DEFINE IMPLEMENTATION DATES.	TEXAS INSTRUMENTS TUCSON	200077	9
ACETONE	REDUCE ACETONE LIQUID OR STILL BOTTOMS SHIPPED OFF-SITE BY 50%.	SUBSTITUTE WITH A WATER BASED CLEANER (REPLACE-A-TONE) INSTEAD OF ACETONE; LIMIT DISPENSING ACETONE TO 3 GALLONS PER DAY PER SHOP. ** WENT BACK TO ACETONE AFTER IT WAS DELISTED FROM FORM R**	THE LARSON COMPANY	200215	1
ACETONE	ELIMINATE DRIPS, SPILLS AND RELATED FUGITIVE EVAPORATION IN THE CHEMICAL STORAGE AREAS BY 15% PER YEAR IN CHEMICAL STORAGE.	IMPLEMENT SPILL, DRIP, AND FUGITIVE EVAPORATION REDUCTION TRAINING THROUGH P2 TRAINING AND ENFORCEMENT.	THE LARSON COMPANY	200215	18
ACETONE	REDUCE THE PURCHASE AND FUGITIVE EMISSIONS OF ACETONE BY 60% IN TOOL CLEANING.	ENCOURAGE THE USE OF ALTERNATIVE CHEMICALS FOR CLEANING PURPOSES. USE OF A NEW DISTILLATION UNIT FOR RECYCLING ACETONE AND ALCOHOL.	THE LARSON COMPANY	200215	21
ACETONE	REDUCE THE USE OF LACQUER THINNER BY 100%, CUT THE PURCHASE OF THINNER BY 50% **DROPPED***	RESEARCH OTHER SUBSTITUTES AND IMPLEMENT	THE LARSON COMPANY	200215	3
ACETONE	REDUCE ACETONE EMISSIONS.	INSTITUTE GOOD HOUSEKEEPING MEASURES. IMPROVE EMPLOYEE TRAINING. COVER ALL BUCKETS AND BOTTLES WITH AUTOMATIC COVERS TO REDUCE ACETONE EMISSIONS.	TRENWYTH INDUSTRIES	200676	3
ACETONE	REDUCE ACETONE EMISSIONS	INVESTIGATE THE USE OF ALTERNATIVE SOLVENTS, PRIMARILY DIBASIC ESTERS TO REDUCE ACETONE EMISSIONS.	TRENWYTH INDUSTRIES	200676	4
ACETONE	COMPLETELY ELIMINATE THE USE OF ACETONE TO CLEAN TOOLS. **NEED to MEASURE REDUCTIONS BEFORE CLOSING**	REPLACE ACETONE WITH MARBLE CLEAN.	TUCSON OUTSTANDING PRODUCTS	200559	3
ACETONE	ELIMINATE ACETONE WASHING STATION.	REPLACED ACETONE BUCKET HAND WASH SYSTEM WITH AUTOMATED BUCKET WASHING MACHINE THAT USES MARBLE WASH INSTEAD OF ACETONE.	TUCSON OUTSTANDING PRODUCTS	200559	4
ACETONE	REDUCE THE AMOUNT OF ACETONE USED IN THE CLEANING PROCESS IN CULTURED MARBLE	REPLACED ACETONE WITH AN INDUSTRIAL STRENGTH DETERGENT TRADE NAME "REPLACETONE"	ULTRA INSTALLATIONS, INC	200413	1

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
ACETONE	REDUCE USE OF ACETONE (EMISSIONS) USED TO CLEAN EQUIPMENT AND TOOLS.	CONTINUE PURCHASE OF RECYCLED ACETONE FROM CURRENT VENDORS INSTEAD OF "VIRGIN" ACETONE.	ULTRA INSTALLATIONS, INC	200413	10
ACETONE	ELMINATE USE OF ACETONE (EMISSIONS) USED TO CLEAN EQUIPMENT AND TOOLS.	REPLACED ACETONE AS A CLEANING SOLVENT WHEN WASHING STAINLESS STEEL BUCKETS, AFTER THE POURING PROCESS OF CULTURED MARBLE. NOW USING "REPLACETONE" AN INDUSTRIAL DETERGENT IN PLACE OF ACETONE. IN 1999 DISCONTINUED THE USE OF REPLACETONE, STARTED USING SUPERFLUSH WHICH IS A RECYCLABLE PRODUCT W/O THE THREAT OF HAZARDOUS WASTE.	ULTRA INSTALLATIONS, INC	200413	8
ACETONE	REDUCE USE OF ACETONE (EMISSIONS) USED TO CLEAN EQUIPMENT AND TOOLS.	USE HINGED COVERS FOR METAL 5 GALLON PAILS CONTAINING ACETONE, USED IN THE CLEANING OF SMALL HAND TOOLS (TROWELS, ETC.) WITH THE LIDS DOWN IN PLACE WHEN PAILS NOT IN USE.	ULTRA INSTALLATIONS, INC	200413	9
ACETONE	REDUCE METHANOL BY 20% AND ACETONE BY 20 % IF NOT DELISTED WHICH IS USED IN STAINS.	REFORMULATE STAIN AND WASHCOAT FORMULATIONS TO REDUCE USAGE AND EMISSIONS.	WOODSTUFF MANUFACTURING-43RD AVE	200459	5
ACETONE,MEK,PCE,TOLULENE	SOLVENT REPACKAGING - ABSORBENTS AND FILTERS: REVISE DISPOSAL METHOD FOR ABSORBENTS & SOLVENTS	USE HIGH BTU ABSORBENTS SO THIS WASTE STREAM CAN BE DIRECTED TO ALTERNATIVE FUELS RATHER THAN INCINERATION. PROPER SEGREGATION AND PROFILING	UNIVAR USA, INC.	200426	3
ACETONE,METHYLENE CHLORDE	REDUCE SOLVENT CONTAMINATED DEBRIS ** GOAL DROPPED **	SEGREGATE NON-HAZARDOUS FROM THE HAZARDOUS CONTAMINATED DEBRIS	TALLEY DEFENSE SYSTEMS - PLT 4	200370	3
ACID AND ALKALINE CLEANER	REDUCE CHEMICAL USAGE AT THE PROCESS BATHS.	IMPLEMENT A DUMP SCHEDULE BASED UPON SQUARE FOOTAGE PROCESSED INSTEAD OF ON A PERIODIC SCHEDULE.	EVERETT CHARLES TECHNOLOGIES STG	200131	4
ACID RINSE	REDUCE MIX TANK RINSE WATER CONSUMPTION BY 30%.	USE LESS WATER TO RINSE THE MIX TANK.	GEM MICROELECTRONIC MATERIALS (FKA HONEYWELL SPEC CHEM)	200600	9
ACID CLEANERS	REDUCE NEED TO CLEAN OIL AND DIRT FROM PARTS RECIEVED FROM CUSTOMERS REDUCING WASTE STREAM.	EDUCATE CUSTOMERS ON BETTER CLEANING	METCO METAL FINISHING - PHOENIX	200451	10
ACID PRE-DIP	REDUCE CHEMICAL USAGE ON PAL LINES.	BY DETERMINING THE FEASIBILITY OF IN-LINE FILTERS TO EXTEND BATH LIFE.	SANMINA - SCI	200669	20
ACIDS	ELIMINATE THE USE OF NITRIC ACID TOTES AND REDUCE THE NUMBER OF SULFURIC ACID TOTES USED TO REDUCE SPILL RISKS AND INCREASE EMPLOYEE SAFETY.	HAVE NITRIC AND SULFURIC ACIDS DELIVERED BY MINI-BULK TANKER TRUCK SO EMPLOYEES DO NOT HAVE TO HANDLE THE ACIDS.	CHEM RESEARCH CO	200085	16
ACIDS - HF, H2SO4, HNO3, HCL	REDUCE ACID EMISSIONS WITHIN LOCAL VENTILATION SYSTEMS.	CAPTURE ACID EMISSIONS WITHIN VENTILATION SYSTEMS AND NEUTRALIZE WITH ALKALINE SCRUBBER.	COLUMBUS CHEMICAL INDUSTRIES (formerly CHEMIX)	200594	12
ACIDS - HF, H2SO4, HNO3, HCL	REDUCE ACID EMISSIONS.	DEVELOP SOPS FOR USE OF EACH ACID. PRODUCTION SUPERVISOR WILL BE RESPONSIBLE AND SOP WILL REFLECT P2 TECHNIQUES ON ALL PRODUCTION WORK ORDERS.	COLUMBUS CHEMICAL INDUSTRIES (formerly CHEMIX)	200594	13
ACIDS - HF, H2SO4, HNO3, HCL	REDUCE ACID EMISSIONS DURING ACID HANDLING PROCESS.	TRAIN OPERATORS ON BEST AVAILABLE PRACTICES FOR REDUCING ACID EMISSIONS. CCI TECHNICAL DIRECTOR WILL BE RESPONSIBLE FOR TRAINING PRODUCTION PERSONNEL.	COLUMBUS CHEMICAL INDUSTRIES (formerly CHEMIX)	200594	14
ACIDS - HF, H2SO4, HNO3, HCL	REDUCE ACID EMISSIONS DURING ACID HANDLING PROCESS.	TRAIN OPERATORS ON APPLICABLE SOPS FOR REDUCING ACID EMISSIONS. CCI TECHNICAL DIRECTOR WILL BE RESPONSIBLE FOR TRAINING PRODUCTION PERSONNEL.	COLUMBUS CHEMICAL INDUSTRIES (formerly CHEMIX)	200594	15
ACIDS/BASES	REDUCE CHEMICAL USAGE AT THE PROCESS BATHS.	IMPLEMENT A DUMP SCHEDULE BASED UPON SQUARE FOOTAGE PROCESSED INSTEAD OF ON A PERIODIC SCHEDULE.	EVERETT CHARLES TECHNOLOGIES STG	200131	4
ACIDS	Goal #4: REDUCE UNNECESSARY CONCENTRATED TANK DUMPS (CONCENTRATED TANK DUMPS FROM BLDG 429). ACTION PLAN: 1. COLLECT MORE INFORMATION ON WASTE SEGREGATION AND DUMPING PRACTICES BY 9/30/2000 - COMPLETED. 2. IDENTIFY THE ROOT CAUSE(S) BY 9/30/2001 - COMPLETED. 3. CREATE AND IMPLEMENT PM PROGRAM BY 9/30/2001. 4. CONDUCT EMPLOYEE TRAINING BY 12/31/2001. 5. CAPITAL EXPENDITURE COST BY 12/31/2002. 6. IMPLEMENTATION BY 9/30/2003. 7. REVIEW EFFECTIVENESS OF PLAN BY 12/31/2003.	A. CONDUCT EMPLOYEE TRAINING SUCH AS MAKE UP CHEMICALS, ADDING CHEMICALS TO TANKS, WHEN TO DUMP THE TANKS, SOLUTION SAMPLE ANALYSIS FOR TANKS, RIGHT PARTS TO RIGHT TANKS, ETC. B. GENERATE A PREVENTIVE MAINTENANCE PROGRAM. MODIFY/REPAIR CONTROL FOR TANKS FLOATS INSTEAD OF MANUAL INSTALL LEVEL ALARMS FOR THE HOLDING TANK OVERFLOW.	HONEYWELL ENGINES & SYSTEMS	200145	4
ACIDS/BASES	UPGRADE CONTROLS TO MORE EFFICIENTLY USE WASTE WATER TREATMENT CHEMICALS.	UPGRADE CONTROLS OF THE ACID WASTE NEUTRALIZATION SYSTEM WILL PREVENT OVERDOSING OF CHEMICALS USED IN NEUTRALIZATION	INTEL CORP.- CHANDLER CAMPUS	200191	16
ACIDS - SPENT	REDUCE ACID WASTE GENERATION BY 95% VOLUME.	IMPLEMENT IMPROVED WASTEWATER TREATMENT SYSTEM TO REMOVE HEAVY METALS FROM AND NEUTRALIZE ACIDS PRIOR TO DISCHARGE TO SANITARY SEWER, IN LIEU OF ACCUMULATION AND DISPOSAL AS HAZARDOUS WASTE.	LITTON ELECTRO - OPTICAL SYSTEMS	200218	17
ACIDS/BASES	REDUCE THE RISK OF BLEACH AND MURIATIC ACID SPILLS.	DISCONTINUE THE USE OF SMALL TOTES AND CONTAINERS TO STORE THESE CHEMICALS. BUY THEM IN BULK AND STORE THEM IN A LARGE TANK FOR EACH CHEMICAL LOCATED INSIDE A SECONDARY CONTAINMENT AREA.	MUNTERS CORPORATION	200261	12

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
ACIDS	REDUCE WASTE WATER DISCHARGE AND ACID CONSUMPTION AS A RESULT OF CAN WASHER OPERATIONS BY 10%.	REPLACE STAGES 1 & 2 OF THE CAN WASHER OR REPLACE ENTIRE MACHINE (BASELINE QUANTITY IS TOTAL OF ALL THREE ACIDS USED IN PROCESS.)	REXAM BEVERAGE CAN COMPANY-PHX AZ FACILITY	200031	15
ACIDS	REDUCE CHEMICAL USAGE ON SOLDER MASK LINE.	BY DETERMINING THE FEASIBILITY OF USING IN-LINE FILTERS TO INCREASE BATH LIFE.	SANMINA - SCI	200669	28
ACRYLIC PLASTIC FIBERGLAS	SOLID WASTE REDUCTION, RECYCLING OR REUSE. RESEARCH POSSIBLE USES FOR SOLID WASTE AND METHODS OF CONDENSING WASTE. EXAMINE RECYCLING FOR USE AS A COMPONENT.	GRINDING FOR CONDENSING, USING WASTE AS A COMPONENT OF PRODUCT	BAJA PRODUCTS, LTD	200066	5
ACRYLIC PAINT	REDUCE VOC EMISSIONS CREATED DURING PAINTING PROCESS BY 90%. ACTION PLAN: (1) REVIEW PRODUCT APPLICATION AND REQUEST DESIGN SPECIFICATION. (2) CHANGE THE PAINT SPECIFICATION.	REPLACE FAST DRY ACRYLIC SOLVENT BASED ENAMEL WITH WATER REDUCIBLE ENAMEL PAINT.	JOHNS MANVILLE INTERNATIONAL INC.	200227	8
ACRYLIC ACID	REDUCE STEAM EMISSIONS GENERATED DURING ACRYLIC ACID POLYMERIZATION PROCESS	OBTAIN A WATER-COOLED REACTION VESSEL THAT WILL PROVIDE ENHANCED TEMPERATURE CONTROL CAPABILITIES	PACIFIC STANDARD SPECIALTIES. INC.	200583	1
ACRYLIC ACID	RESEARCH POSSIBLE REPLACEMENTS FOR ACRYLIC ACID USED TO MAKE THE POLYMER	CONSULT WITH OTHER VENDORS, MANUFACTURERS & RESEARCH CHEMISTS TO INVESTIGATE & TEST POSSIBLE ALTERNATIVES TO ACRYLIC ACID	PACIFIC STANDARD SPECIALTIES. INC.	200583	3
ACTIVATED CARBON	REDUCE VOLUME OF SPENT CARBON BEING SENT TO THE LANDFILL.	REGENERATE 100% OF THE SPENT CARBON FROM THE VARA ABATEMENT EQUIPMENT & THE DI WATER PRODUCTION FACILITY	MOTOROLA - MESA	200255	5
ACTIVATOR	DETERMINE FEASIBILITY OF USING IN-LINE FILTERS TO EXTEND BATH LIFE ON DEEP GOLD LINE.	PUT IN-LINE FILTERS ON APPROPRIATE BATHS TO REDUCE DUMP CYCLES.	SANMINA - SCI	200669	59
ACTREL 3338L	REDUCE ACTREL 3338L CHANGE SCHEDULE 1) DESIGN MOBILE PUMP STATION WITH FILTERS, 2) MANUFACTURE MOBILE PUMP STATION, 3) MODIFY A MOBILE PUMP STATION FOR OTHER BUILDINGS, 4) FIND A METHOD TO DETERMINE THE OIL CONTENT IN ACTREL 3338L, 5) REVIEW THE EFFECTIVENESS OF PLAN.	1) DESIGN A MOBILE PUMP STATION WITH FILTERS TO REMOVE PARTICLES, OIL AND SMALL CHIPS IN DIP TANK, 2) FIND METHOD TO DETERMINE OIL CONTENT IN ACTREL 3338L	HONEYWELL ENGINES (FORMERLY ALLIEDSIGNAL ENGINES)	200144	10
ACTREL 3338L	Goal #2: ELIMINATE ACTREL 3338L IN DIP TANK CLEANING (DEGREASING - DIP TANK). ACTION PLAN: 1. RESEARCH ALTERNATIVE CLEANING METHODS (COMPLETED 12/31/2000). 2. TEST DIFFERENT CLEANERS BY 9/30/2001. 3. EQUIPMENT MODIFICATION BY 11/30/2001. 4. IMPLEMENTATION BY 11/30/2002. 5. REVIEW EFFECTIVENESS OF PLAN BY 12/31/2003.	A. REPLACE ACTREL 3338L WITH A NON HAZARDOUS ALTERNATIVE SOLVENT, WHICH EXHIBITS LESS THAN 1 MM HG VAPOR PRESSURE. B. REPLACE ACTREL 3338L WITH A NON-HAZARDOUS ORGANIC SOLVENT.	HONEYWELL ENGINES & SYSTEMS	200145	2
ACTREL 3338L	ELIMINATE HAZARDOUS WASTE GENERATION FROM SOLVENT CLEANING MATERIALS. (ACTREL IS A BLENDED ALIPHATIC HYDROCARBON WITH A FLASH POINT OF 104F)	SUBSTITUTION OF MATERIAL WITH NON-HAZARDOUS MATERIAL AND/ OR MATERIAL RECYCLING.	HONEYWELL ENGINES AND SYSTEMS	200149	25
ACTREL 3338L	(GOAL FOR 200145) REDUCE HAZARDOUS WASTE SHIPMENT OF ACTREL 3338L.	1) RECYCLE ACTREL 3338L BY DISTILLATION	HONEYWELL ENGINES (FORMERLY ALLIEDSIGNAL ENGINES)	200144	9
ADHESIVE	REDUCE THE AMOUNT OF ADHESIVE WASTE BY 5% IN 1995 AND 10% IN 1996	COMPLETE ENGINEERING ANALYSIS OF GELLING PROBLEM; IMPLEMENT INVENTORY STORAGE RECS; IMPROVE ADHESIVE STORAGE METHODS TO EXTEND USEABLE SHELF LIFE.	NORTHROP-GRUMMAN	200174	12
ADHESIVES	REDUCE VOLUME OF INK AND ADHESIVE WASTE GENERATED DURING PRINTING PROCESS	TEMPERATURE CONTROL OF ADHESIVES TO IMPROVE PERFORMANCE AND REDUCE SCRAP; BETTER INVENTORY CONTROL; MODIFIY PUMPING SYSTEM TO USE SMALLER PAIL TO REDUCE WASTE PER RUN	NORTHROP-GRUMMAN	200174	4
ADHESIVES	50% REDUCTION IN EXPIRED ADHESIVES AND OTHER CHEMICALS AS A RCRA HAZARDOUS WASTE.	REDUCTION OF EXPIRED CHEMICAL DISPOSAL WILL REQUIRE CHEMICAL SUBSTITUTES, ON-DEMAND PURCHASING, HAZARDOUS MATERIAL MANAGEMENT, AND TRAINING.	U.S.A.F. - DAVIS MONTHAN	200408	7
AIR EMISSIONS	REDUCE AIR EMISSIONS AND INCREASE OPERATING EFFICIENCY OF POWERHOUSE.	REBUILD THE REFRACTORY OF 3 BOILERS AND IMPLEMENT OPTIMUM PARAMETERS.	APACHE NITROGEN PRODUCTS, INC.	200038	4
AIR EMISSIONS	REDUCE AIR EMISSIONS BY COVERING ALL PROCESS BATHS DURING NON-PRODUCTIVE PERIODS. RESEARCH EFFECT ON QUALITY BY 8/01; PURCHASE MATERIALS BY 10/01; IMPLEMENT BY 1/02.	COVER ALL PROCESS BATHS DURING NON-PRODUCTIVE PERIODS.	AZ PLATING & ANODIZING CO	200062	21
AIR EMISSIONS	REDUCE AIR EMISSIONS, HAZARDOUS WASTE AND SOLID WASTE	IMPLEMENT AN ENVIRONMENTAL MANAGEMENT SYSTEM TO OBTAIN 14001 CERTIFICATION. THIS IS A SYSTEMS APPROACH TO ENVIRONMENTAL COMPLIANCE AND STEWARDSHIP PROGRAMS, INTENDED TO DRIVE COST AND ENVIRONMENTAL IMPACT REDUCTIONS. (1) IDENTUFY ENVIRONMENTAL ASPECTS AND IMPACTS, (2) MAPPING OF ENVIRONMENTAL PROCESSES, (3) ESTABLISH ROBUST DOCUMENTATION PROGRAMS	HONEYWELL ENGINES AND SYSTEMS	200149	28
AIR EMISSIONS	REDUCE DIESEL FUEL AIR EMISSIONS	REPLACE OUR REGULAR DIESEL FUEL WITH BIODIESEL b20, WHICH IS A BLEND OF 20% BIODIESEL AND 80% REGULAR DIESEL.	U.S. MARINE CORPS - YUMA AIR STATION	200407	23

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
ALCOHOL, NORMAL PROPYL	ELIMINATE THE USE OF SOLVENT BASED INK USED FOR PRINTING LOGOS ON VARIOUS BAGS TO REDUCE VOCs	SUBSTITUTE WITH WATER BASED INKS (0% VOC); INSTALL AN EVAPORATOR TO DISPOSE OF THE WATER WASTE	FORTUNE PLASTICS OF AZ, INC	200141	1
ALCOHOL	ELIMINATE THE USE OF ALCOHOL IN ALCOHOL BASED WASH FOR THE REFRACTORY COATING PROCESS	SUBSTITUTE ALCOHOL WITH A WATER-BASED ALTERNATIVE	ME GLOBAL INC.	200079	6
ALCOHOL REAGENT	REDUCE USE OF XYLENE, FORMALDEHYDE AND REAGENT ALCOHOL	CONTINUE RESEARCH TESTING NEW PRODUCTS TO REDUCE FORMALDEHYDE AS A HAZARDOUS WASTE; TEST OTHER ALTERNATIVES AS THEY BECOME AVAILABLE; REVIEW NEW INSTRUMENTATION/ TECHNOLOGY AS THEY BECOME AVAILABLE	SONORA QUEST LABORATORIES, LLC	200579	1
ALCOHOLS (VARIOUS)	REDUCE FUGITIVE EMISSIONS OF LIQUID XANTHATE FROM STORAGE AREA.	ENGINEER A SCRUBBER SYSTEM CAPABLE OF CAPTURING ANY ESCAPING VAPORS	ALKEMIN, S. DE R.L. DE C.V.	200211	13
ALIPHATIC HYDROCARBONS	TUBE CLEANING OPERATION: REDUCE VOC EMISSIONS 20%	REDUCE STORAGE TIME OF TUBE PRIOR TO HEAT TREATMENT; USE CONTROLLED AFTERBURNER TECHNOLOGY TO DESTROY VOCS.	V.A.W. OF AMERICA, INC.	200478	4
ALIPHATIC HYDROCARBONS	REDUCE SOLVENT USAGE BY RESEARCHING SOLVENT SUBSTITUTION PRODUCTS IN TUBE CLEANING OPERATION - SUBSTITUTION OF 140-66 WITH ANOTHER PRODUCT.	SUBSTITUTION OF SOLVENT USED IN THE PROCESS WITH A DIFFERENT CHEMICAL AND CONTINUE REDUCTION IN THE AMOUNT OF SOLVENT USED.	V.A.W. OF AMERICA, INC.	200478	5
ALKALINE CLEANERS	REDUCE NEED TO CLEAN OIL AND DIRT FROM PARTS RECIEVED FROM CUSTOMERS REDUCING WASTE STREAM.	EDUCATE CUSTOMERS ON BETTER CLEANING	METCO METAL FINISHING - PHOENIX	200451	10
ALL WASTES	REDUCE HAZARDOUS WASTE GENERATION FROM ACADEMIC AND RESEARCH LABS.	INCREASE REUSE OF SURPLUS SUPPLIES THROUGHOUT CAMPUS; INCREASE TRAINING; RESEARCH ALTERANTIVE CHEMICALS; CHANGE PROCEDURES	ARIZONA STATE UNIVERSITY-RISK MGMT.	200064	5
ALL CHEMICALS	REDUCE THE ON-HAND OPERATING INVENTORY OF CHEMICALS.	DETERMINE WHICH, IF ANY, CHEMICALS USED BY SDI MAY BE ORDERED AND USED IN 5 GALLON OR SIMILAR SIZE CONTAINERS, INSTEAD OF 55 GALLON DRUMS. IF IT IS POSSIBLE TO USE SMALLER SIZE CONTAINERS	SPECIAL DEVICES, INC.	200654	6
ALODINE	REDUCE THE WASTE FROM ALODINE SHIPPED OFF-SITE. (MIXTURE OF CHROMIC ACID, K-PERRICYANIDE, K-FLUOZIRCONATE, Na-FLUOBORATE	INSTALL AN EVAPORATOR & TREAT WITH METABISULFITE TO REDUCE THIS WASTE STREAM	AVIATION MANAGEMENT SYSTEMS, INC.	200130	2
ALUMINUM & STEEL SCRAP	ELIMINATE SCRAP STEEL AND ALUMINUM LANDFILLED THAT IS GENERATED FROM SCRAPPED CYLINDERS AND DECOMMISSIONED PROCESS TUBING BY 100%.	BY COLLECTING AND SEGREGATING STEEL, STAINLESS STEEL AND ALUMINUM IN SEPARATE CONTAINERS AND SENDING THEM TO A RECYCLING CENTER INSTEAD OF A LANDFILL	BOC GASES	200020	8
ALUMINUM OXIDE	REDUCE FUGITIVE EMISSIONS OF ALUMINUM OXIDE (PM10) DUST.	INSTALL A SECONDARY FILTRATION UNIT ON GRIT BLASTER EXHAUSTS.	CHROMIZING ARIZONA	200095	1
ALUMINUM	REDUCE THE AMOUNT OF ALUMINUM BEING DISPOSED OF AT A LANDFILL.	FIND A RECYCLER TO TAKE MATERIAL; TRAIN EMPLOYEES.	EVERETT CHARLES TECHNOLOGIES STG	200131	7
ALUMINUM OXIDE	MINIMIZE ALUMINUM OXIDE AND CONDITIONING AGENT USE IN BACKLAP PROCESS	REPLACE BACK-LAP WITH BACKGRIND PROCESS.	MOTOROLA SCG	200253	16
ALUMINUM	REDUCE WATER USAGE: REMOVE ALUMINUM AND IRON IONS FROM PLATING AND SURFACE FINISHING RINSE WATERS, FOLLOWED BY WATER PURIFICATION TO ALLOW FULL REUSE OF WATER IN PROCESS.	USE OF ION EXCHANGE AND/ OR REVERSE OSMOSIS TECHNOLOGIES.	RAYTHEON COMPANY USAF PLANT 44	200184	46
ALUM,TIN,PAPER,YARD WASTE	YAVAPAI COUNTY LANDFILL: RECYCLE HOUSEHOLD WASTES	IMPLEMENT A COMMUNITY RECYCLING PROGRAM	PHELPS DODGE BAGDAD, INC.	200114	4
AMMINES,SULFIDES,SKATOLE	REDUCE AIR EMISSIONS AND NONCONDENSIBLE GASES.	INSTALL NEW EQUA COOKER AND ENTRAINMENT TRAP TO REPLACE RENDERING COOKER THAT ALLOWED NON-CONDENSIBLE GASES TO ESCAPE	SUN LAND BEEF COMPANY	200367	2
AMMONIA /MALEIC ANHYDRIDE	(B) PREVENT ACCIDENTAL SPILLS OR LEAKS FROM PIPING AND TANKS. STUDY TO SELECT AND IMPLEMENT A PREVENTIVE MAINTENANCE PROGRAM.	IMPLEMENT A PREVENTATIVE MAINTENANCE PROGRAM; PERIODIC INSPECTIONS.	ALKEMIN, S. DE R.L. DE C.V.	200211	2
AMMONIA / XANTHATE	(C) ELIMINATE DRY XANTHATE FUGITIVE EMISSIONS	RESEARCH CAUSE AND EXTENT OF EMISSIONS; DEVELOP ECONOMICAL WAY TO ELIMINATE REPLACE OLD, DRIPPING AND LEAKING VALVES.	ALKEMIN, S. DE R.L. DE C.V.	200211	3
AMMONIA /MALEIC ANHYDRIDE	(E) CLEAN UP STORAGE AREA	DEVELOP AND IMPLEMENT A HOUSEKEEPING PLAN IN THE CHEMICAL STORAGE AREA.	ALKEMIN, S. DE R.L. DE C.V.	200211	5
AMMONIA /MALEIC ANHYDRIDE	(F) ELIMINATE THE LEAKS FROM PIPING, VALVES AND SEALS IN THE CHEMICAL STORAGE AREA.	UPGRADE PLANT AREA EQUIPMENT; ELIMINATE TRENCHES WHERE LEAKS COULD NOT BE SEEN; REPLACE PIPES WHICH ARE OLD AND OUTDATED.	ALKEMIN, S. DE R.L. DE C.V.	200211	6
AMMONIA /MALEIC ANHYDRIDE	(H) ELIMINATE SPILLAGE / EMISSIONS OF AMMONIUM SULFIDE AND SODIUM HYDROSULFIDE FROM HOSES USED TO UNLOAD MATERIAL.	RESEARCH ECONOMICAL WAYS TO ELIMINATE HOSE SPILLAGE; USE DRIP CONTAINERS WHERE CHEMICAL IS PUT BACK INTO PROCESS; INSTITUTE HOSE INSPECTION PROGRAM.	ALKEMIN, S. DE R.L. DE C.V.	200211	8

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
AMMONIA	ELIMINATE ACCIDENTIAL RELEASES OF AMMONIA.	1. DAILY CHECK OF AMMONIA EQUIPMENT BY MAINTENANCE AND RECORDED ON LOG. 2. MONTHLY MAINTENANCE TO BE PERFORMED BY INDUSTRIAL REFRIGERATION AND LOG MAINTAINED OF MAINTENANCE PERFORMED. 3. ENSURE AMMONIA REFUELING PROCEDURES FOLLOWED AND DOCUMENT ON DAILY LOG WHEN AND HOW MUCH AMMONIA ADDED TO SYSTEM.	ALLIANT FOODSERVICE	200621	1
AMMONIA	REDUCE POTENTIAL SPILLS AND LEAKS OF NITRIC ACID AND AMMONIA. CREATE A PROGRAM TAILORED TO THE NEEDS OF REDUCING POTENTIAL LEAKS AND SPILLS IN THE PROCESS AREA. WITH THE USE OF INSPECTION FORMS, OPERATORS AND SUPERINTENDENTS WILL BECOME MORE FAMILIAR WITH IDENTIFYING POTENTIAL LEAKS AND SPILLS.	IMPLEMENT A STRONG MONITORING PROGRAM FOR INSPECTING PROCESS AREAS TO FOCUS ATTENTION ON PREVENTION AND LEAKS.	APACHE NITROGEN PRODUCTS, INC.	200038	16
AMMONIA	REDUCE THE POTENTIAL FOR ACCIDENTAL AMMONIA RELEASES FROM TANKS OR PIPING.	DETERMINE THE MOST ECONOMIC SOLUTION TO THE PROBLEM. OF THE FIVE ALTERNATIVES IDENTIFIED, SELECT THE BEST TWO FOR FURTHER EXAMINATION. FOCUS ON ENVIRONMENTAL IMPACTS, PERSONNEL SAFETY,	APACHE NITROGEN PRODUCTS, INC.	200038	18
AMMONIA	REDUCE AIR EMISSIONS OF AMMONIA (NH3) AND AMMONIUM NITRATE (HNO3) IN ACID NEUTRALIZER PLANT.	INSTALL SCRUBBER ON STACK. NEUTRALIZER HAS AN ADEQ APPROVED AMMONIA FUGITIVE EMISSIONS CONTROL PLAN	APACHE NITROGEN PRODUCTS, INC.	200038	3
AMMONIA	DRUM RINSING: REDUCE AMMONIA EMISSIONS CREATED DURING THE RETURNABLE CONTAINER RINSING OPERATION BY 25%.	COLLECT ALL AMMONIUM HYDROXIDE AND AMMONIUM FLUORIDE RESIDUE FROM THE RETURNABLE CONTAINER INTO A COLLECTION SYSTEM PRIOR TO RINSING OPERATIONS. REUSE MATERIAL COLLECTED OR SELL INTO SECONDARY MARKETS.	ARCH CHEMICALS, INC.	200608	3
AMMONIA	ELIMINATE AMMONIA USE IN COOLING SYSTEM	REPLACE AMMONIA WITH PROPYLENE GLYCOL	COCA-COLA BOTTLING CO.-TEMPE	200101	14
AMMONIA	INCREASE THE EFFECTIVENESS OF THE FUME SCRUBBER SYSTEM BY 10-15%	INSTALL A NEW FUME SCRUBBER SYSTEM THAT HAS BETTER EFFICIENCY.	EVERETT CHARLES TECHNOLOGIES STG	200131	10
AMMONIA HYDROXIDE	REDUCE THE USAGE OF AMMONIA HYDROXIDE, CUPRIC AMMONIA CHLORIDE AND THE AMOUNT OF SPENT ETCHANT SHIPPED TO RECYCLER.	REPLACE THE USAGE OF ETHCANT BY AN ESTIMATED 70 LBS PER MONTH BY REPLACING THE ONE OUNCE MATERIAL ON CAP LAYERS WITH HALF OUNCE MATERIAL.	EVERETT CHARLES TECHNOLOGIES STG	200131	11
AMMONIA CHLORIDE	REDUCE THE USAGE OF AMMONIA HYDROXIDE, CUPRIC AMMONIA CHLORIDE AND THE AMOUNT OF SPENT ETCHANT SHIPPED TO RECYCLER.	REPLACE THE USAGE OF ETHCANT BY AN ESTIMATED 70 LBS PER MONTH BY REPLACING THE ONE OUNCE MATERIAL ON CAP LAYERS WITH HALF OUNCE MATERIAL.	EVERETT CHARLES TECHNOLOGIES STG	200131	11
AMMONIA	CONSUMPTION: REDUCE THE POUNDS OF AMMONIA CONSUMED PER LB OF PRODUCT SHIPPED FROM .0269 LBS/LB (1991)	FIND MINIMUM pH AT WHICH LEACHING RATE IS GOOD; INSTALL SMALLER ORIFACES IN AMMONIA MANIFOLD; LENGHTEN MIXER SHAFTS; MODIFY BLOWER & DRUM CIRCUIT; RESEARCH SCRUBBER TO CAPTURE FUMES.	GRIFFIN CORP.-CASA GRANDE, AZ.	200212	4
AMMONIA	REDUCE THE QUANTITY OF WASTE AMMONIA CAUSED BY MIXING WITH OIL IN THE REFRIGERATION SYSTEM	INSTALL A "VILTER" SUPER SEPARATOR TO INCREASE THE SEPARATION OF OIL FROM THE AMMONIA	KALIL BOTTLING COMPANY	200205	1
AMMONIA	REDUCE THE USE OF OIL IN FOUR ON-SITE AMMONIA COMPRESSORS	REVIEW, PURCHASE & INSTALL ALTERNATIVE METHOD OF OIL REDUCTION SYSTEM SUCH AS KEMPCO SYSTEMS REMOVAL-USE SYSTEM OR OTHER ADV. SYSTEM	KALIL BOTTLING COMPANY	200205	2
AMMONIA	REDUCE THE AMOUNT OF AMMONIA EMISSIONS FROM THE PLANT	BUILD A STATE OF THE ART MIXING PLANT	OWENS CORNING ELOY PLANT	200543	4
AMMONIA	BE A ZERO PROCESS WASTE GENERATOR FOR FORMALDEHYDE AND AMMONIA.	REINTRODUCE THIS PRODUCT BACK INTO THE PROCESS AND CONVERT IT TO PRIME PRODUCT WITH BETTER OPERATING EFFICIENCIES AND NEW EQUIPMENT.	OWENS CORNING ELOY PLANT	200543	9
AMMONIA	REDUCE FUGITIVE AMMONIA EMISSIONS FROM THE ABSORPTION TANK SYSTEM BY 50%.	DESIGN AND INSTALL A LIQUID-SEAL TRAP TO BE INSTALLED BETWEEN THE ABSORPTION TANK AND THE ATMOSPHERIC VENT.	PRAXAIR INC	200475	6
AMMONIA	ELIMINATE FILM PROCESSING AND TONE PROOFING CHEMICAL USE (SILVER, COMP-RESSED ANHYDROUS AMMONIA)	REPLACE FILM WITH A COMPUTER TO DO PAGE MAKE-UP	R.R.DONNELLEY PRINTING COMPANY	200307	3
AMMONIA ETCH	LOWER THE AMOUNT OF VOCS ON THE ALKALINE ETCHER.	BY INVESTIGATING THE OPPORTUNITY FOR USE OF A LOW OR NO VOC CHEMISTRY.	SANMINA - SCI	200669	47
AMMONIA	REDUCTION IN AMMONIA LOSS THRU PERSONNEL TRAINING; MODULES 1-2 IN 11/99; MODULES 3-4 IN 3/2000.	DEVELOP PROGRAM AND TRAIN REFRIGERATION PERSONNEL FROM 11/99 THRU 7/01.	SUN LAND BEEF COMPANY	200367	11
AMMONIA	REDUCTION OF FUGITIVE AND NON-POINT EMISSIONS OF ANHYDROUS AMMONIA. COMPLETE PIPING AND INSTRUMENTATION DIAGRAM.	FINALIZATION OF PIPING AND INSTRUMENTATION DIAGRAM FOR THE FACILITY.	SUN LAND BEEF COMPANY	200367	12
AMMONIA	REDUCTION OF FUGITIVE AND NON-POINT EMISSIONS OF ANHYDROUS AMMONIA. PURCHASE AND ACQUIRE SENSING SYSTEM: BIDS 10-12/99; PROPOSAL TO CORP 2/00; INSTALL START 4/00; COMPLETION 7/30/00.	AQUISITION AND INSTALLATION OF AMMONIA SENSING SYSTEM.	SUN LAND BEEF COMPANY	200367	13

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
AMMONIA	COOLING SYSTEM ANMMONIA LEAKS: REDUCE EMISSIONS OF AMMONIA 20% OVERALL. (REDUCE 10% BY JULY 1, 2003 AND ANOTHER 10% BY JULY 1, 2004)	(1) IMPLEMENT A PREVENTATIVE MAINTENANCE PROGRAM FOR VALVES, PUMPS AND OTHER EQUIPMENT IN THE REFRIGERATION SYSTEM; (2) IMPLEMENT A SOFTWARE MAINTENANCE PROGRAM TO ROUTINELY DETECT AND REPAIR FAULTY DEVICES THAT TEND TO CONTRIBUTE TO LEAKS AND RELEASES OF AMMONIA	SUN LAND BEEF COMPANY	200367	15
AMMONIA EMISSIONS	REDUCE AIR EMISSIONS AND NONCONDENSIBLE GASES.	INSTALL NEW EQUA COOKER AND ENTRAINMENT TRAP TO REPLACE RENDERING COOKER THAT ALLOWED NON-CONDENSIBLE GASES TO ESCAPE	SUN LAND BEEF COMPANY	200367	2
AMMONIA	REDUCE AMMONIA EMISSIONS FROM THE MEAT REFRIGERATION SYSTEM (PHILLIPS RECIRCULATING SYSTEM).	OPERATOR/MAINTENANCE TRAINING TO REDUCE EMISSIONS FROM LEAKS; CREATE A PIPING/VALVE/EQUIPMENT DIAGRAM	SUN LAND BEEF COMPANY	200367	3
AMMONIA	REDUCE AMOUNT OF AMMONIA LEAKS BY DETECTING LEAKS FASTER (THIS GOAL WAS REPLACED BY GOALS 5-8 WHICH RELATE TO REDUCING AMMONIA LEAKS).	INSTALL A SYSTEM CONSISTING OF A CONTROL UNIT AND A SERIES OF SENSORS. SENSORS ARE ON THE SOLENOID VALVES AND WILL ALERT CONTROL UNIT AT FIRST SIGN OF LEAK	SUN LAND BEEF COMPANY	200367	4
AMMONIA	REDUCE FUGITIVE AMMONIA EMISSION BY IMPLEMENTING AMMONIA LEAK DETECTION SYSTEM.	IDENTIFY AND IMPLEMENT AN AMMONIA LEAK DETECTION SYSTEM ADEQUATE FOR OUR FACILITY AND OPERATING VARIABLES SUCH AS TEMPERATURE AND HUMIDITY BY RECEIVING TWO BIDS FOR A NEW SYSTEM AND REPAIR OF OIL SYSTEM INCLUDING INSTALLATION AND START UP TESTING	SUN LAND BEEF COMPANY	200367	6
AMMONIA	REDUCE FUGITIVE AMMONIA EMISSIONS.	PREPARE A COMPLETE AND CURRENT PIPING AND INSTRUMENTATION DIAGRAM BY CONTRACTING WITH AN ENGINEERING COMPANY	SUN LAND BEEF COMPANY	200367	7
AMMONIA	REDUCE FUGITIVE AMMONIA EMISSIONS.	CHARACTERIZE POTENTIAL AREAS FOR MAJOR AMMONIA LEAKS (LEAKS >500 LBS) BY STUDYING FREQUENCY OF ODOR DETECTION, POTENTIAL DELAY TIME BETWEEN RELEASE AND DETECTION, VALVE CORROSION/ PHYSICAL INTEGRITY AND VALVE OPERABILITY.	SUN LAND BEEF COMPANY	200367	8
AMMONIA	REDUCE FUGITIVE AMMONIA EMISSIONS.	INITIATE VALVE AND PIPING LABELING SYSTEM TO FURTHER ENABLE IDENTIFICATION AND CHARACTERIZATION OF AMMONIA LEAKS	SUN LAND BEEF COMPANY	200367	9
AMMONIA	(8A) PREVENT ACCIDENTAL EMISSIONS OR SPILLAGE FROM PIPING AND TANKAGE.	ENGINEERING STUDY TO SELECT AND IMPLEMENT A PREVENTATIVE MAINTENANCE PROGRAM; PERIODIC INSPECTIONS.	TESSENDERLO KERLEY, INC. (PHX)	200210	1
AMMONIA	(8B) PREVENT SPILLS AND LEAKS FROM STORAGE TANKS FROM CONTAMINATING SURROUNDING AREAS.	IMPLEMENT SECONDARY CONTAINMENT.	TESSENDERLO KERLEY, INC. (PHX)	200210	2
AMMONIA	REDUCE WASTE WATER TREATMENT FACILITY DISCHARGE EXCEEDENCES FOR AMMONIA	AMMONIA: INSTALL A BIOREACTOR TO TREAT AMMONIA BY NITRAFICATION WITH NITRATE CONVERSION TO NITROGEN GAS	U.S.A.F. - LUKE	200409	10
AMMONIA	NITRIDING OPERATION: OVERALL REDUCTION BY 20% OF THE AMOUNT OF AMMONIA USED.	INCREASE NUMBER OF DIES BEING TREATED PER BATCH; IMPROVE SCHEDULING OF BATCH	V.A.W. OF AMERICA, INC.	200478	2
AMMONIUM NITRATE	ELIMINATE RELEASES OF AMMONIUM NITRATE. ZERO DISCHARGE OF AMMONIUM NITRATE FROM TANK 174. THROUGH THE APPLICATION OF BADCT DESIGN, CONSTRUCT AND OPERATE TANK 174 AS A NO-DISCHARGE FACILITY.	CONTRUCT A CONTAINMENT SYSTEM TO HOUSE COLLECTION TANK. 174 CONSTRUCT A RECYCLING SYSTEM TO RECYCLE AMMONIUM NITRATE	APACHE NITROGEN PRODUCTS, INC.	200038	7
AMMONIUM NITRATE	ELIMINATE RELEASE OF AMMONIUM NITRATE AND NITRIC ACID.	THROUGH BADCT DETERMINATION CONSTRUCT A SECONDARY CONTAINMENT STRUCTURE FOR AMMONIUM NITRATE NEUTRALIZER PLANT.	APACHE NITROGEN PRODUCTS, INC.	200038	8
AMMONIUM FLUORIDE	REDUCE FUME OF AMMONIUM FLUORIDE	ATTACH SCRUBBER TO FILL CABINET AND TANK	COLUMBUS CHEMICAL INDUSTRIES (formerly CHEMIX)	200594	4
AMMONIUM BIFLUORIDE	REDUCE AMMONIUM BIFLUORIDE IN AIR	BUILD A FILL CABINET TO REDUCE POWDERS IN THE AIR	COLUMBUS CHEMICAL INDUSTRIES (formerly CHEMIX)	200594	5
AMMONIUM BIFLOURIDE/HCL	INCREASE ELECTROLESS BATH LIFE AND	CREATE A STANDARD SPECIFIC GRAVITY PROGRAM FOR DUMP SCHEDULES AND ANALYSIS PROCEDURAL CHANGES	DYNACO ACQUISITION CORP.	200129	6
AMMONIUM HYDROXIDE	REDUCE THE RISK OF AN ACCIDENTIAL SPILL OR RELEASE OF AMMONIUM HYDROXIDE BY 7/1/1999 BY REPLACING THE CURRENT SEMI-BULK STORAGE AND POLY TUBE APPLICATION WITH A BULK STORAGE AND HARD PIPED APPLICATION SYSTEM.	INSTALLATION OF A BULK STORAGE TANK WILL REDUCE THE AMOUNT OF OPERATOR HANDLING OF AMMONIUM HYDROXIDE AND ELIMINATE SEMI-BULK CONTAINERS WHICH ARE SUBJECT TO FAILURE DUE TO FORK TRUCK HANDLING. THE BULK TANK WILL BE PLACED CLOSER TO THE APPLICATION POINT WHICH WILL REDUCE THE AMOUNT OF PIPING SUBJECT TO FAILURE. ALL TANKS AND APPLICATION SYSTEMS WILL BE PLACED IN CONTAINMENT AREAS.	GEORGIA-PACIFIC TISSUE MILL	200604	2a
AMMONIUM HYDROXIDE	REDUCE THE USAGE OF AMMONIUM HYDROXIDE BY 12/31/1999 BY INSTALLING AUTOMATIC FLOW MEASUREMENT, INDICATION AND CONTROL DEVICES ON THE APPLICATION SYSTEM	INSTALLATION OF AUTOMATIC FLOW MEASUREMENT, INDICATION, AND CONTROL DEVICES ON THE APPLICATION SYSTEM WILL HELP TO CONTROL USAGE AND THUS REDUCE USAGE.	GEORGIA-PACIFIC TISSUE MILL	200604	2b

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
AMMONIUM HYDROXIDE	REDUCE THE RISK OF AN ACCIDENTIAL SPILL OR RELEASE OF AMMONIUM HYDROXIDE BY 7/1/1999 BY WRITING A SPILL PREVENTION PLAN FOR BULK AMMONIUM HYDROXIDE UNLOADING.	WRITING AND FOLLOWING A SPILL PREVENTION PLAN FOR BULK UNLOADING WILL REDUCE THE RISK OF ACCIDENTAL RELEASES.	GEORGIA-PACIFIC TISSUE MILL	200604	2c
AMMONIUM HYDROXIDE	EVALUATE THE REPLACEMENT OF AMMONIUM HYDROXIDE USAGE WITH A SUBSTITUTE, PRODUCE BY 12/31/2000 THROUGH LITERATURE AND INDUSTRY STANDARD REVIEWS AND POTENTIAL PRODUCTION EVALUATIONS.	A LITERATURE AND INDUSTRY STANDARD REVIEW OF ACTIVATED SLUDGE NUTRIENT SUBSTITUTES AND POTENTIAL PRODUCTION EVALUATIONS OF NUTRIENTS SUBSTITUTES COULD REDUCE OR ELIMINATE THE USE OF AMMONIUM HYDROXIDE.	GEORGIA-PACIFIC TISSUE MILL	200604	2d
AMMONIUM HYDROXIDE	EVALUATE THE VIABILITY OF NH3 RESIDUAL PROBES AS A CONTINUOUS MONITOR AND FEEDBACK CONTROL DEVICE FOR AMMONIUM HYDROXIDE FLOW TO THE PROCESS BY 12/31/1999 THROUGH LITERATURE REVIEWS AND POTENTIAL PRODUCTION EVALUATIONS.	A LITERATURE REVIEW OF NH3 RESIDUAL PROBES AS A CONTINUOUS MONITOR AND FEEDBACK CONTROL DEVICE FOR AMMONIUM HYDROXIDE FLOW TO THE PROCESS AND POTENTIAL PRODUCTION EVALUATIONS OF THE SAME COULD REDUCE USE OF AMMONIUM HYDROXIDE BY ALLOWING FOR MORE CONSISTENT CONTROL OF NH3 RESIDUAL WITHOUT AS HIGH A RISK OF UNDER APPLICATION OF THE NUTRIENT.	GEORGIA-PACIFIC TISSUE MILL	200604	2e
AMMONIUM HYDROXIDE	REDUCE AMMONIUM HYDROXIDE USE (USED WITH A MIXTURE OF HYDROGEN PEROXIDE IN OPEN BATH (SEE INTEL GOAL 5) FOR WAFER CLEANING)	INSTALL NEW PROCESS AND EQUIPMENT (SAME AS GOAL 5)	INTEL CORP.- CHANDLER CAMPUS	200191	9
AMMONIUM FLUORIDE	REDUCE THE AMOUNT OF WASTE PHOTORESIST AND CHEMICALS USED IN ETCHING AND CLEANING PROCESSES ASSOCIATED WITH THE NEGATIVE RESIST PROCESS.	REPLACE MECHANICAL PUMPS WITH MICROPROCESSOR CONTROLLED PRESSURE PUMPS TO CONTROL APPLICATION; SUBSTITUTE NEGATIVE WITH POSITIVE PHOTORESISTN PROCESS.	MOTOROLA SCG	200253	23
AMMONIUM FLUORIDE	RF-2000-3-REDUCE NITRIC ACID USE IN THE RF1 PROCESS WHICH USES HEATED NITRIC ACID IN A OPEN 5 GALLON TANK FOR ETCHING UP TO 24 WAFERS AT A TIME.	REDUCE THE FREQUENCY OF NITRIC ACID BATH CHANGES. ACTION PLAN: (1) EXTEND BATH CHANGE FREQUENCY, (2) CONDUCT EXPERIMENTS ON TEST WAFERS AND PRODUCT, (3) QUALIFY PRODUCT FOR CUSTOMERS, (4) CONVERT TO NEW BATH CHANGE FREQUENCY.	MOTOROLA SCG (RFI OPERATION)	200727	3
AMMONIUM HYDROXIDE	(MEMS1 PROJ# M1)REDUCE USAGE OF AMMONIUM HYDROXIDE IN WAFER CLEANING BY CONSOLIDATING CLEANING STEPS. NOTE: THE PRODUCTION GROUP (PREVIOUSLY CALLED MEMS1, NOW CALLED MOS5 WEST) IS MOVING TO ANOTHER MOTOROLA FACILITY. STAFF PLAN TO RESUME WORK ON THIS PROJECT AFTER THE MOVE IS COMPLETE.	USING TEST WAFERS, TEST VARIOUS CONSOLIDATED CLEANING PROCESSES: ATTEMPT TO USE THE SAME CLEANNG METHOD FOR BOTH PRODUCTS. DESIGN AND INSTALL ANY EQUIPMENT MODIFICATIONS NEEDED. CONDUCT EXPERIMENTS ON PRODUCT. QUALIFY PRODUCT FOR CUSTOMERS. CONVERT TO NEW CLEANING PROCESS.	MOTOROLA SCG	200253	33
AMMONIUM HYDROXIDE	(MEMS1 PROJ# M2) REDUCE USAGE OF AMMONIUM HYDROXIDE IN ETCHING PROCESS BY MINIMIZING THE CHEMICAL FLOW RATE AND/OR FLOW TIME. NOTE: THE PRODUCTION GROUP (PREVIOUSLY CALLED MEMS1, NOW CALLED MOS5 WEST) IS MOVING TO ANOTHER MOTOROLA FACILITY. STAFF PLAN TO RESUME WORK ON THIS PROJECT AFTER THE MOVE IS COMPLETE.	USING TEST WAFERS, TEST VARIOUS CHEMICAL FLOW RATES AND/OR FLOW TIMES TO DETERMINE THE MINIMUM RATES AND TIMES THAT PRODUCE THE DESIRED LEVEL OF QUALITY. DESIGN AND INSTALL ANY EQUIPMENT MODIFICATIONS NEEDED. CONDUCT EXPERIMENTS ON PRODUCT. QUALIFY PRODUCT FOR CUSTOMERS. BEGIN USING THE OPTIMAL FLOW RATE AND FLOW TIME	MOTOROLA SCG	200253	36
AMMONIUM HYDROXIDE	(MEMS1 PROJ# M3) REDUCE USAGE OF AMMONIUM HYDROXIDE IN ETCHING PROCESSES BY CONSOLIDATING AND ELIMINATING ETCH STEPS. NOTE: THE PRODUCTION GROUP (PREVIOUSLY CALLED MEMS1, NOW CALLED MOS5 WEST) IS MOVING TO ANOTHER MOTOROLA FACILITY. STAFF PLAN TO RESUME WORK ON THIS PROJECT AFTER THE MOVE IS COMPLETE.	TEST VARIOUS COMBINATIONS OF CONSOLIDATED ETCH STEPS USING TEST WAFERS(OPTIMIZE THE PROCESS AS A WHOLE). DESIGN AND INSTALL ANY EQUIPMENT MODIFICATIONS NEEDED. CONDUCT EXPERIMENTS ON PRODUCT. QUALIFY PRODUCT FOR CUSTOMERS. CONVERT TO NEW ETCHING PROCESS.	MOTOROLA SCG	200253	39
AMMONIUM HYDROXIDE,ACETIC	PLANT OPERATIONS: REDUCE USE OF CHEMICALS ACETIC ACID, NH3FL2, NH3OH, KI, HNO3	INSTALLED AN X-RAY ANALYSIS SYSTEM TO REPLACE WET CHEMISTRY METHODS.	PHELPS DODGE BAGDAD, INC.	200114	15
AMMONIUM HYDROXIDE	REDUCE AIR EMISSIONS AT FILLER	INSTALL AN AIR SCRUBBER	SIERRA INTERNATIONAL	200567	10
AMMONIUM HYDROXIDE	REDUCE AIR EMISSIONS FROM WATER AMMONIUM TANK	ESTABLISH WRITTEN PROCEDURES FOR THE MAINTENANCE OF THE AMMONIUM HYDROXIDE EXHAUST AIR SCRUBBER SYSTEM. DEVELOP A PLAN FOR RECYCLING THE SCRUBBER FLUID.	SIERRA INTERNATIONAL	200567	11
AMMONIUM HYDROXIDE	REDUCE EFFLUENT THROUGH LEAKY VALVES.	IMPLEMENT A MAINTENANCE PROGRAM TO ENSURE THAT ALL FILLING VALVES, GASKETS, AND O RINGS ARE REPAIRED PRIOR TO FAILURE	SIERRA INTERNATIONAL	200567	6
AMMONIUM HYDROXIDE	REDUCE THE RISK OF FAILURE IN THE TANK PIPING SYSTEM	IMPLEMENT A TANK & PIPE INSPECTION CHECKLIST TO VERIFY THE INTEGRITY OF THE SYSTEM	SIERRA INTERNATIONAL	200567	7
AMMONIUM HYDROXIDE	REDUCE THE OVERFLOW OF THE OVERFILL TANK AT THE FILLER	INSTALL A LARGER RECYCLE PUMP, INSTALL A HAND VALVE THAT RESTRICTS PRODUCT INFLOW, INCREASE LINE SPEED	SIERRA INTERNATIONAL	200567	8
AMMONIUM HYDROXIDE	REDUCE THE AIR EMISSIONS FROM THE STORAGE AND MIX TANKS	DEVELOP A MANUAL AND CHECKLIST TO ENSURE THAT ALL TANKS REMAIN COVERED. IF PRACTICAL INSTALL A PUMP SYSTEM FOR THE ADDITION OF FRAGRANCES, COLORANTS AND OTHER MINOR CHEMICAL CONSTITUENTS	SIERRA INTERNATIONAL	200567	9
AMMONIUM HYDROXIDE	REDUCE THE GENERATION OF AMMONIACAL ETCHANT	DEVELOP BLEED AND FEED PUMP CALIBRATION SCHEDULE. IMPLEMENT CALIBRATION SCHEDULE. PURCHASE PH CONTROLLER, INSTALL PH CONTROLLER AND DEVELOP PH CONTROLLER CALIBRATION SCHEDULE	SOUTHBAY CIRCUITS, INC.	200586	2

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
AMMONIUM BIFLUORIDE SALTS	REDUCE THE AMOUNT OF NEUTRALIZATION NECESSARY AT THE SAME TIME AS INCREASING THE NUMBER OF CLUBS PRODUCED PER POUND OF CHEMICAL.	CHEMICALLY ENHANCED POLISHING; TREAT WITH LIME PRIOR TO DISCHARGE.	STURM RUGER AND COMPANY, INC.	200362	12
AMMONIUM BIFLUORIDE SALTS	REDUCE AMOUNT OF ACID FLORIDE SALT USED IN CHEMICALLY ENHANCED VIBRATORY POLISHING	MAKE OPERATIONAL CHANGES FROM STARTUP, 20% REDUCTION IN 1996 CONTINUE REDUCTION THRU 98	STURM RUGER AND COMPANY, INC.	200362	14
AMMONIUM PERCHLORATE	(#TD5)- REDUCE PROPELLANT WASTE AND REUSE AMMONIUM PERCHLORATE IN COMPOSITE PROPELLANT MANUFACTURING AREAS.	IDENTIFY A COST EFFECTIVE MEANS OF SEPARATING AMMONIUM PERCHLORATE (AP) FROM THE POLYBUTADIENE SO PROPELLANT WASTE IS REDUCED AND AP CAN BE REUSED. ACTION A IDENTIFY TECHNOLOGIES WHICH WILL MECHANICALLY GRANULATE SOLID AP PROPELLANTS TO LESS THAN 1/4 INCH SAFELY BY 12/2001; ACTION B: TEST SOME OF THESE TECHNOLOGIES AND PURCHASE EQUIPMENT BY 6/2002; ACTION C: CHOOSE THE MOST EFFECTIVE TECHNOLOGY AND PURCHASE EQUIPMENT BY 6/2003; ACTION D: INSTALL EQUIPMENT AND BEGIN PROCESSING AP PROPELLANTS BY 12/2003.	TALLEY DEFENSE SYSTEMS - PLT 4	200370	41
AMMONIUM PERCHLORATE	REDUCE PURCHASE OF AMMONIUM PERCHLORATE	(1)IMPLEMENT A PROCEDURE TO COLLECT, SAMPLE AND REUSE AND RECYCLE AMMONIUM PERCHLORATE. (2) RECYCLE SCRAP AP OFFSITE AS A BYPRODUCT FOR PERCHLORIC ACID	TALLEY DEFENSE SYSTEMS - PLT 4	200370	5
AMMONIUM FLUORIDE	EXAMINE THE AMMONIUM FLUORIDE PRODUCTION AREA TO DETERMINE THE FEASIBILITY OF ADDING SECONDARY CONTAINMENT TO PRECLUDE A CATASTROPHIC RELEASE FROM REACHING THE ENVIRONMENT.	BY INSTALLING SUFFICIENT CONCRETE CURBING SO SPILLS CAN BE CONTAINED ON THE CONCRETE PAD.	TESSENDERLO KERLEY, INC. (PHX)	200210	12
AMMONIUM HYDROXIDE	EXAMINE THE AMMONIUM HYDROXIDE PRODUCTION AREA TO DETERMINE THE FEASIBILITY OF ADDING SECONDARY CONTAINMENT TO PRECLUDE A CATASTROPHIC RELEASE FROM REACHING THE ENVIRONMENT.	BY INSTALLING A DIKED CONCRETE CONTAINMENT AREA TO HOLD THE CONTENTS OF THE VESSEL.	TESSENDERLO KERLEY, INC. (PHX)	200210	13
AMMONIUM POLYSULFIDE	PROVIDE TRAINING TO MAINTENANCE PERSONNEL ON THE MAINTENANCE AND INSTALLATION OF PUMP MECHANICAL SEALS TO PREVENT LEAKAGE.	CONTACT A SEAL MANUFACTURER TO OBTAIN THE NEEDED TRAINING.	TESSENDERLO KERLEY, INC. (PHX)	200210	14
AMMONIUM HYDROXIDE	(8C) REDUCE EMISSIONS OF AMMONIUM HYDROXIDE FROM TANK PRESSURE RELIEF VALVE.	RESEARCH THE POSSIBILITY OF PIPING THE VAPORS TO A WATER SCRUBBER.	TESSENDERLO KERLEY, INC. (PHX)	200210	3
AMMONIUM HYDROXIDE	(8D) REDUCE POTENTIAL EMISSION OF AMMONIUM HYDROXIDE FROM THE RUPTURE DISK ON THE STORAGE TANK.	RESEARCH THE POSSIBILITY OF VENTING TO A SCRUBBER.	TESSENDERLO KERLEY, INC. (PHX)	200210	4
AMMONIUM SULFIDE	(8H) PREVENT LOSSES OF AMMONIUM SULFIDE AND SODIUM HYDROSULFIDE FROM THE HOSES USED ON TRUCKS.	WRITE UP PROCEDURE.	TESSENDERLO KERLEY, INC. (PHX)	200210	8
AMMONIUM SULFATE	NITRIDING OPERATION: OVERALL REDUCTION BY 20% OF THE AMOUNT OF AMMONIA USED.	INCREASE NUMBER OF DIES BEING TREATED PER BATCH; IMPROVE SCHEDULING OF BATCH	V.A.W. OF AMERICA, INC.	200478	2
ANHYDROUS AMMONIA	REDUCE THE POTENTIAL "WORST CASE" ACCIDENTAL RELEASE OF ANHYDROUS AMMONIA FROM 40,000 LBS TO 4,000 LBS	DISCONTINUE USE OF 40,000 POUND ANHYDROUS AMMONIA TANK AND USE RETURNABLE 4,000 POUND TANKS	GRIFFIN CORP.-CASA GRANDE, AZ.	200212	8
ANHYDROUS HYDORFLUORIC	(8E) REDUCE THE EMISSIONS OF ANHYDROUS HYDROGEN FLUORIDE FROM STORAGE TANK.	INSTALL PRESSURE RELIEF DEVICE; TRANSPORT VAPORS FROM RELIEF VALVE TO WATER SCRUBBER; SEND SCRUBBING SOLUTION BACK TO HF TANK.	TESSENDERLO KERLEY, INC. (PHX)	200210	5
ANHYDROUS AMMONIA	REDUCE AMMONIA LOSSES FROM REFRIGERATION SYSTEM USED TO KEEP INCOMING MILK COLD.	INSTALL NEW VALVES, AN AUTOMATIC LEAK DETECTION SYSTEM WITH ALARMS, NEW PIPING, IMPROVED OIL DRAINAGE AND COLLECTION SYSTEM	UNITED DAIRYMEN OF ARIZONA	200416	1
ANTIFREEZE	REDUCE DISPOSAL OF SOLID WASTE BY INCREASING USE OF RECYCLED MATERIALS BY 25% (PAPER, CARDBOARD, OIL AND ANTIFREEZE).	A. ESTIMATE AMOUNT OF POTENTIAL RECYCLED MAT'L. B. NEGOTIATE PRICES WITH RECYCLING VENDORS.	APS DEER VALLEY SERVICE CENTER	200040	8
ANTIFREEZE	REDUCE GENERATION OF NON-HAZARDOUS SOLID WASTE BY 50% BY THE YEAR 2000.	REVIEW RECYCLING PLAN, ID CHANGES & IMPLEMENT PURCHASE ANTIFREEZE RECYCLING MACHINE.	U.S. ARMY - FORT HUACHUCA	200404	7
ANTIMONY TRIOXIDE	GOAL 2C: FIND ALTERNATIVE OR ELIMINATE ANTIMONY TRIOXIDE FROM PRODUCTS ** GOAL DROPPED **	ACTIONS 1-5: TOXICOLOGICAL EVALUATION; WASTE EVALUATION; PRELIMINARY EVALUATION; IN-DEPTH EVALUATION; IMPLEMENTATION	CYTECFIBERITE	200185	16
ANTIMONY TRIOXIDE	ELIMINATE OR REDUCE THE USE OF ANTIMONY TRIOXIDE IN PVC COMPOUNDING, INSULATING AND JACKETING OPERATIONS. *DROPPED*	MONITOR RESEARCH & DEVELOPMENT BEING DONE AT OTHER FACILITIES TOWARDS A SUBSTITUTE FOR ANTIMONY TRIOXIDE.	SOUTHWIRE COMPANY	200151	10

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
ANTIMONY COMPOUNDS	WIRE INSULATING DEPARTMENT: REDUCE THE AMOUNT OF BLEEDER SCRAP BY 20% OR 7,000 POUNDS. THIS SCRAP CONTAINS A PVC OR NYLON INSULATION JACKET. THE PVC INSULATION CONTAINS LEAD AND ANTIMONY COMPOUNDS TO STABILIZE THE PVC.	THE GOAL WILL BE ACHIEVED USING A TEAM OF EXTRUDER OPERATORS. THE OPERATORS WILL DEVELOP PROCEDURAL CHANGES AND TOOLS TO REDUCE THE AMOUNT OF TIME IT TAKES TO START THEIR MACHINES AND METHODS TO MINIMIZE PRODUCING BLEEDER SCRAP.	SOUTHWIRE COMPANY	200151	12
ANTIMONY COMPOUNDS	INSULATING DEPARTMENT: REDUCE THE SCRAP RATE OF EXTRUSION LINE #5 BY 50% FROM 136,000 POUNDS OF PVC (92,720 LBS LEAD; 1,320 LBS ANTIMONY) OR TO 68,000 POUNDS ANNUALLY (1,360 LBS OF LEAD; 680 LBS OF ANTIMONY).	THE GOAL WILL BE ACHIEVED WITH AN EMPLOYEE PARTICIPATION TEAM EVALUATING THE REASONS WHY EXCESS SCRAP IS GENERATED ON LINE 5. THE TEAM WILL BRAINSTORM IDEAS TO REDUCE THE AMOUNT OF SCRAP GENERATED AND IMPLEMENT SOLUTIONS. THE REDUCTIONS SHOULD BE 68,000 POUNDS OF PVC WHICH CONSISTS OF 1360 LBS OF LEAD AND 680 POUNDS OF ANTIMONY COMPOUNDS.	SOUTHWIRE COMPANY	200151	15
ANTIMONY TRIOXIDE	ELIMINATE ANTIMONY OXIDE BAGS.	COMPELTE A TCLP TEST. SWITCHED SUPPLIERS WHICH RESULTED IN LESS RETAINED MATERIAL ON THE BAGS.	SOUTHWIRE COMPANY	200151	5
APRON (FUNGICIDE)	REDUCE BOTH OVER-TREATED AND UNDER-TREATED COTTON SEED.	IMPROVE TREATMENT APPLICATION BY MODIFYING THE EQUIPMENT.	DELTA & PINE LAND CO	200119	8
AQUEOUS ALKALINE CLEANERS	REDUCE USE AND EVAPORATION OF HEATED AQUEOUS SOLVENTS (DARACLEAN 282 & X-IT PLUS).	MODIFY VENTING TO RUN ONLY WHEN TANKS ARE OPEN INSTEAD OF 24 HOURS A DAY. THIS WILL STILL PROTECT WORKERS FROM STEAM WHEN TANK LID IS OPENED.	HONEYWELL AEROSPACE SERVICES	200024	10
AQUEOUS ALKALINE CLEANERS	OPTIMIZE THE LIFE OF THE NEW CLEANING PROCESSES WHICH REPLACED THE ODC CLEANERS.	DEVELOPED TESTING CRITERIA AND PROCEDURES FOR MAINTAINING CLEANER QUALITY TO OPTIMIZE THE LIFE OF NEW CLEANING PROCESSES.	HONEYWELL ENGINES AND SYSTEMS	200149	11
AQUEOUS ALKALINE BATHS	EVALUATE OPTIONS TO REGENERATE AND/OR REUSE SPENT AQUEOUS CLEANING BATHS WHICH REPLACED ODC CLEANERS. *DROPPED*	DEVELOP A WASTE PROFILE FOR THE SPENT AQUEOUS CLEANERS ONCE THE ODC RELACEMENTS ARE COMPLETE. CONDUCT TESTS TO DETERMINE FEASIBILITY OF RECONDITIONING THE CLEANERS FOR REUSE BY 6/94 **GOAL DROPPED**	HONEYWELL ENGINES AND SYSTEMS	200149	13
AROMATICS (70-90%)	ELIMINATE VINYL WASH 184 USED TO CLEAN SILK SCREENS	REPLACED VINYL WASH WITH A NON-HAZARDOUS SUBSTITUTE	PING, INC	200208	7
ARSENIC / CHROMIC	PREVENT LEAKING VALVES AND JOINTS.	REINSTITUTE MAINTENANCE PROGRAM; USE VIDEO TAPES TO TRAIN EMPLOYEES; SCHEDULE MAINTENANCE BETTER.	ARIZONA PACIFIC WOOD PRESERVING, INC.	200488	1
ARSENIC ACID COMPOUNDS	REDUCE CREOSOTE AND CCA USAGE BY MAINTAINING CALIBRATION OF GAUGES FOR STORAGE TANKS MINIMIZING BATCH IMPREGNATION.	DEVELOP A MONTHLY CHECK PROCESS TO ENSURE CALIBRATIONS FOR ACCURATE READINGS OF TREATMENT, ELIMINATING OVER USAGE OF CHEMICAL	ARIZONA PACIFIC WOOD PRESERVING, INC.	200488	10
ARSENIC ACID COMPOUNDS	ELIMINATE CREOSOTE AND CCA CONTAMINATION BY COATING AND SEALING DRIP PADS.	COAT AND SEAL DRIP PADS WITH APPROVED SEALANTS ELIMINATING SUB-SURFACE CONTAMINATION. ELIMINATING CLEANUP OF WASTE.	ARIZONA PACIFIC WOOD PRESERVING, INC.	200488	11
ARSENIC ACID COMPOUNDS	REDUCE CREOSOTE AND CAA WASTES BY MAINTAINING BERM AROUND DRIP PADS MINIMIZING ANY ADDITIONAL RUN-ON OR RUN-OFF.	INSTITUTE GOOD HOUSEKEEPING MEASURES. DEVELOP A PROCESS TO CHECK WEEKLY FOR ANY FAILURES OR STRUCTURAL CONDITIONS OF BERM	ARIZONA PACIFIC WOOD PRESERVING, INC.	200488	12
ARSENIC ACID COMPOUNDS	REDUCE CREOSOTE AND CAA WASTES BY MAINTAINING DRIP PAD OPERATIONS PROGRAM	INSTITUTE GOOD HOUSEKEEPING MEASURES. IMPROVE EMPLOYEE TRAINING ON DRIP PAD OPERATING PROCEDURES.	ARIZONA PACIFIC WOOD PRESERVING, INC.	200488	13
ARSENIC ACID COMPOUNDS	REDUCE CREOSOTE AND CAA WASTES BY DESIGNATING A FORKLIFT TO THE DRIP PAD AREAS.	DESIGNATE A FORKLIFT SPECIFICALLY FOR DRIP PAD AREA ONLY. ELIMINATING DIRT AND DEBRIS CONTAMINATION ON AND OFF DRIP PADS.	ARIZONA PACIFIC WOOD PRESERVING, INC.	200488	14
ARSENIC / CHROMIC	REDUCE CONTAMINATION BY SOILS AND DEBRIS OF CHEMICALS BEFORE CAPTURE AND REUSE.	INSTITUTE A CLEANING/ HOUSEKEEPING PROGRAM.	ARIZONA PACIFIC WOOD PRESERVING, INC.	200488	2
ARSENIC / CHROMIC	REDUCE CHEMICAL USAGE AND CHEMICAL DRIPPAGE DUE TO POOR CALIBRATION	MAINTAIN CALIBRATION OF GUAGES; YEARLY CALIBRATION PERFORMED BY MANUFACTURER	ARIZONA PACIFIC WOOD PRESERVING, INC.	200488	3
ARSENIC / CHROMIC	REDUCE CONTAMINATION FROM THE DRIP PAD	COAT AND SEAL PAD; MAINTAIN BERM AROUND PAD; INSTITUTE PROGRAM FOR CLEANING PAD	ARIZONA PACIFIC WOOD PRESERVING, INC.	200488	4
ARSENIC / CHROMIC	DEVELOP ALTERNATIVE TREATMENT METHODS TO REDUCE VARIOUS TOXIC USAGES	INSTALL A STRIP PUMP TO BETTER CONTROL TREATMENT OF LUMBER; SUBSTITUTE A "CLEAN CREOSOTE" PRODUCT FOR THE CREOSOTE AND #6 FUEL OIL MIXTURE.	ARIZONA PACIFIC WOOD PRESERVING, INC.	200488	5
ARSENIC ACID COMPOUNDS	REDUCE CHEMICAL USAGE BY EXPLORING NEW TREATING PROCEDURES WHILE MAINTAINING REQUIRED RETENTIONS DURING TREATING. ACTION PLAN: RESEARCH TREATING PROCEDURES, TEST TREATING PROCEDURES AND IMPLEMENT BEST ALTERNATIVE	REVISE TREATING PROCEDURES TO REFINE TREATING TO ACCURATE RETENTIONS.	ARIZONA PACIFIC WOOD PRESERVING, INC.	200488	6
ARSENIC ACID COMPOUNDS	ELIMINATE LEAKS AND SPILLS OF CREOSOTE AND CCA BY RE-INSTITUTING MAINTENACE PROGRAMS OF VALVES AND JOINTS	INSTITUTE GOOD HOUSEKEEPING MEASURES. DEVELOP A PROCESS TO CHECK WEEKLY TO ENSURE VALVES AND JOINTS ARE IN GOOD WORKING ORDER.	ARIZONA PACIFIC WOOD PRESERVING, INC.	200488	7
ARSENIC ACID COMPOUNDS	ELIMINATE CCA WOOD TREAT (COPPER CHROMATED ARSENATE) WASTE BY SUBSTITUTING WITH A NON-TOXIC PRESERVATIVE.	REPLACE TREATING SOLUTIONS WITH ALTERNATIVE NON-HAZARDOUS SOLUTIONS.	ARIZONA PACIFIC WOOD PRESERVING, INC.	200488	8

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
ARSENIC ACID COMPOUNDS	REDUCE CREOSOTE AND CCA WOOD TREAT USAGE BY RETURNING UPSPENT SOLUTIONS TO WORK TANKS.	REVISE TREATING PROCEDURES TO REFINE TREATING TO ACCURATE RETENTIONS.	ARIZONA PACIFIC WOOD PRESERVING, INC.	200488	9
ARSENIC	REDUCE HAZARDOUS AIR POLLUTANTS BY 5.8 TONS/YR BY 1999 RESULTING FROM STACK EMISSIONS AND CONCENTRATE HANDLING.	INSTALL ANODE FLOOR INSTRUMENTATION. PURCHASE INCREASED EFFICIENCY VACUUM STREET SWEEPER. 1. DRYER BAGHOUSE HAS BEEN INSTALLED. 2. HIGH EFFICIENCY SWEEPER HAS BEEN PURCHASED AND REMAINS IN USE. 3. ANODE FLOOR INSTRUMENTATION AND STEAM INJECTION HAS BEEN INSTALLED.	BHP COPPER, SAN MANUEL SMELTING AND REFINING	200226	17
ARSENIC	REDUCE HEAVY METALS SOIL CONTAMINATION FACILITY WIDE BY 30% BY 1999.	CONSTRUCTION OF COVERED CONCENTRATE STORAGE FACILITY. ENGINEERING AND DESIGN PLANS WERE COMPLETED DURING CALENDAR YEAR 1998 AND CONSTRUCTION WAS BEGUN. CONSTRUCTION COMPLETED 6/15/99. COVERED CONCENTRATE STORAGE FACILITY NOW IN OPERATION.	BHP COPPER, SAN MANUEL SMELTING AND REFINING	200226	18
ARSENIC	DELIVER 10 TRAINING SEMINARS TO BHP EMPLOYEES WHICH DETAIL PROPER MANAGEMENT AND POLLUTION PREVENTION PRACTICES OF AND PERTAINING TO REDUCTION OF HEAVY METALS CONTAMINATED SOIL.	DELIVER TRAINING SEMINARS. SEMINARS COMPLETED. ANNUAL TRAINING WILL CONTINUE WITH EXISTING EMPLOYEES.	BHP COPPER, SAN MANUEL SMELTING AND REFINING	200226	19
ARSENIC	REDUCE RUNOFF OF SLAG CONSTITUENTS BY CONSTRUCTING A LINED RECLAMATION POND AT SLAG COOLING PITS.	CONSTRUCTION OF LINED RECLAMATION POND	BHP COPPER, SAN MANUEL SMELTING AND REFINING	200226	20
ARSENIC	SIGNIFICANTLY REDUCE THE ARSENIC CONTAINING FLASH AND CONVERTER FLU DUSTS IN THE SMELTER REDUCING AIRBORNE ARSENIC, LEAD AND FUGITIVE GASES **DROPPED***	CONSTRUCT A FLUE DUST LEACHATE PROCESSING PLANT TO MINIMIZE EMISSIONS OF DUST AND ALLOW COPPER RECOVERY THROUGH SOLVENT EXTRACTION	BHP COPPER, SAN MANUEL SMELTING AND REFINING	200226	3
ARSENIC	REDUCE THE CONCENTRATION OF BORON AND ARSENIC IN THE WASTE WATER GENERATED BY NEUTRALIZING ACID AND CAUSTIC RINSE WATERS.	RESEARCH POLYMERS AND COAGULANTS THAT MAY ENHANCE METAL REMOVAL; RESEARCH SECONDARY WASTEWATER TREATMENT; RECYCLE TWICE-TREATED WASTEWATER.	DOLPHIN, INCORPORATED	200125	7
ARSENIC CONTAMINATED CAKE	REDUCE THE AMOUNT OF HAZARDOUS WASTE SHIPPED OUT OF THE FACILITY BY 50%	ADJUST THE AMOUNT OF CHEMICALS ADDED TO THE WASTEWATER TREATMENT SYSTEM ALLOWING A ONE PASS TREATMENT AND ELIMINATING THE SECOND PASS	EPITRONICS CORP	200137	1
ARSENIC CONTAMINATED CAKE	REDUCE THE AMOUNT OF HAZARDOUS MATERIAL SHIPPED TO A LANDFILL TO ABOUT 5%	INSTALLATION OF A WASTEWATER EVAPORATOR AND DECONTAMINATION OF HAZARDOUS DEBRIS	EPITRONICS CORP	200137	2
ARSENIC CONTAMINATED	CLEAN REACTOR PARTS TO ACCEPTABLE LEVELS ENABLING DISPOSAL OF THEM AS NON-HAZARDOUS WASTE ***INACTIVE FACILITY***	SOAK IN MIXTURE OF NITRIC ACID AND HYDROCHLORIC ACID (AQUA REGIA SOLUTION) THEN SOAK/RINSE IN WATER	EPITRONICS CORP	200137	7
ARSENIC RAGS/GLOVES/ETC	IMPROVE SEGREGATION PRACTICES FOR CONTAMINATED (eg. ARSENIC, CHROMIUM) DEBRIS (CLEANING RAGS, GLOVES, ETC.) VS NONCONTAMINATED TO REDUCE WASTE VOLUME	COMPLETE PROCESS EVALUATION DEVELOP NEW HANDLING PROCEDURES IDENTIFY NEW EQUIPMENT NEEDS	INTEL CORP.- CHANDLER CAMPUS	200191	11
ARSENIC	REDUCE ARSENIC CONTAMINATED WASTE WATER.	OPTIMIZE CLEANING OF LARGE PARTS BY CHOOSING VENDOR WITH MORE EFFICIENT METHOD (IE. CARBON DIOXIDE PELLET BLASTING PROCESS)	INTEL CORP.- CHANDLER CAMPUS	200191	17
ARSENIC SLUDGE	REDUCTION OF HAZARDOUS ARSENIC CONTAMINATED SLUDGE FROM WASTE WATER TREATMENT OPERATIONS BY 50%. ELIMINATE IN 5 YEARS	INSTALLED A GUARDIAN ABATEMENT SYSTEM WHICH COMBUSTS UN-REACTED ARSINE	LITTON ELECTRO - OPTICAL SYSTEMS	200218	3
ARSENIC	ARSENIC IN TIN STRIP: ELIMINATE THE D002 & F006 WASTE FROM TREATING TIN STRIP ON SITE. ARSENIC WAS PRESENT IN THE TIN STRIP BECAUSE OF THE GRADE OF TIN ANODES THAT WERE BEING USED	CIRCUIT BOARD TIN STRIP CHEMISTRY WAS CHANGED FROM A FLUORIDE TO A NITRIC BASED CHEMISTRY. ALSO, CHANGED TO PURE TIN ANODES TO REDUCE ARSENIC IN TIN STRIP	MOSAIC PRINTED CIRCUITS, LLC. (QUALITY PRINTED CIRCUITS)	200513	5
ARSENIC	REDUCE QUANTITY GENERATED PER YEAR OF MOLECULAR SIEVE WASTE STREAM BY 40%. THE SIEVE IS USED TO PURIFY ARSINE GAS. THE WASTE GENERATING PROCESS INVOLVES REGENERATING THE MOLECULAR SIEV FOR REUSE BY REMOVING THE ABSORBED ARSINE AND IMPURITIES AT PERIODIC INTERVALS (REGENERATING THE SIEVE).	DEVELOP METHOD AND PROCEDURE FOR REGENERATING AND REUSING MOLECULAR SIEVE IN THE ARSINE PROCESS. ACTION PLAN: 1. INSTALL SYSTEM COMPONENTS BY 7/13/00; 2. COMPLETE GAS UTILITY TIE-INS BY 7/14/00; 3. TIE IN SCRUBBER SYSTEM BY 7/15/00; 4. TIE IN ELECTRICAL SERVICE BY 7/22/00; 5. PRESSURE TEST SYSTEM BY 7/23/00; 6. COMISSION SYSTEM BY 8/1/2000.	PRAXAIR INC	200475	3
ARSENIC RAGS/GLOVES/ETC	WAFER CLEANING: REDUCE QUANTITY OF ARSENIC CONTAMINATED DEBRIS SENT TO TSDF FOR INCINERATION BY 20%.	CHANGE THE SOURCE OF ARSENIC TO GASEOUS ARSINE.	STMICROELECTRONICS, INC.	200585	19
ARSINE	REDUCE THE USE OF ARSINE **DROPPED**	LOCATE A SUBSTITUTE FOR ARSINE	EPITRONICS CORP	200137	5
ARSINE	ELIMINATE THE USE OF ARSINE GAS FOR GROWTH OF GALLIUM-ARSENIDE CRYSTALS ** GOAL DROPPED **	CONVERTED ONE REACTOR FROM ARSINE GAS TO A LIQUID FORM OF ARSENIC (TERTIARYBUTYLARSINE)	LITTON ELECTRO - OPTICAL SYSTEMS	200218	6
ARSINE	ELIMINATE GASEOUS ARSINE IN THE MOCVP REACTOR	RESEARCH THE POSSIBLE USE OF TERTIARY-BUTYL ARSINE. **DROPPED**	MOTOROLA-TEMPE	200259	11

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
AUGMENT GENERANT	COMPLETE PLANNING OF ORIGINAL GOAL: REDUCE THE AMOUNT (POUNDS) OF WASTE AUGMENT GENERANT TO 90% OF BASELINE QUANTITY	PERFORM SYSTEMATIC EVALUATION OF AUGMENT INFLATOR MANUFACTURE TO IDENTIFY SCRAP REDUCTION OPPORTUNITIES	TRW VEHICLE SAFETY SYSTEMS,MESA II	200369	12
AUTO EMISSIONS	REDUCE AUTOMOBILE EMISSIONS. PERFORM A FEASIBILITY STUDY FOR IMPLEMENTING A TRIP REDUCTION PLAN TO REDUCE AUTO EMISSIONS IN THE PHOENIX METROPOLITAN AREA	REDUCE AUTOMOBILE EMISSIONS. CONDUCT A STUDY TO DETERMINE FEASIBILITY OF INSTITUTING A FLEXIBLE WORK SCHEDULE FOR EMPLOYEES	MOTOROLA - RESEARCH DIV	200609	7
BARIUM INK	REDUCE THE AMOUNT OF HAZARDOUS WASTE INK GENERATED.	DEVELOP ALTERNATIVE INK SYSTEMS TO MINIMIZE OR ELIMINATE THE USE OF BARIUM COMPOUNDS IN NEW LAMP CONSTRUCTION.	DUREL CORPORATION	200518	15
BARIUM COMPOUNDS	ELIMINATE BARIUM CONTAINING HAZARDOUS WASTE BY ELIMINATING THE USE OF BARIUM COMPOUNDS IN ALL LAMP CONSTRUCTIONS.	1) DEVELOP NEW LAMP CONSTRUCTIONS UTILIZING MATERIALS THAT DO NOT CONTAIN BARIUM 2) QUALIFY NEW LAMP CONSTRUCTIONS WITH NEW CUSTOMERS 3) MANUFACTURE ALL NEW LAMP PROGRAMS WITH THE NEW CONSTRUCTIONS 4) QUALIFY OLD LAMP CONSTRUCTIONS, SUBSTITUTING OTHER MATERIALS FOR BARIUM COMPOUNDS WITH OTHER CUSTOMERS 5) PHASE OUT OLD LAMP PROGRAMS WHICH REQUIRE USE OF BARIUM COMPOUNDS.	DUREL CORPORATION	200518	17
BARIUM	REDUCE/ ELIMINATE THE USE OF BARIUM-BASED DRY COLORS/ FLUSHES TO MANUFACTURE INK PRODUCTS.	TEST AND PROVE IN VARIOUS FORMULATIONS; ACCEPTABILITY OF USING NON-BARIUM RAW MATERIALS	INX INTERNATIONAL INK CO	200004	1
BARIUM COMPOUNDS	REDUCE EMISSIONS OF BARIUM COMPOUNDS AND OTHER SOLID PARTICLES.	INSTALL A DUST COLLECTOR TO CAPTURE AND REUSE BARIUM COMPOUNDS AND OTHER SOLID PARTICLES	INX INTERNATIONAL INK CO	200004	3
BARIUM CHLORIDE	ELIMINATE THE USE OF BARIUM CHLORIDE FOR HARDENING	REPLACE BARIUM CHLORIDE WITH SODIUM CHLORIDE	PHOENIX HEAT TREATING INC	200283	2
BARIUM FLUX	ELIMINATE BARIUM FLUX IN THE MELTING PROCESS.	USE SFG GAS INSTEAD; PREVENTS THE BURNING OF MAGNESIUM BUT DOESN'T CLEAN WHICH RESULTS IN A HIGHER SCRAP RATE.	PRESTO CASTING COMPANY	200299	1
BARIUM COMPOUNDS	REDUCE THE AMOUNT OF CERAMIC POWDER WASTE (CONTAINING BARIUM TITINATE) IN 1993 BY 10% OF THAT GENERATED IN 1992.	IMPROVED HOUSKEEPING TO KEEP WASTE POWDER SEGREGATED; EQUIPMENT MODIFICATION TO CAPTURE POWDER FOR REUSE	TUSONIX INC.	200402	1
BARIUM	REDUCE WASTE POWDER GENERATED IN POWDER PROCESSING BY 50%.	RESEARCH ALTERNATIVES AND IMPLEMENT ALL ALTERNATIVES. REDUCE WASTES BY EQUIPMENT IMPROVEMENTS, WASTE SEGREGATION, PRODUCTION SCHEDULING MODIFICATIONS AND FINDING SOMEONE WHO CAN USE OUR WASTE BY-PRODUCT FOR SOMETHING USEFUL	TUSONIX INC.	200402	10
BARIUM	ELIMINATE THE WASTE WATER BEING DISCHARGED TO THE POTW.	EITHER INSTALL EQUIPMENT TO REUSE WASTEWATER OR EVAPORATE IT	TUSONIX INC.	200402	11
BARIUM	REDUCE BARIUM WASTE BY 20% BY INCREASING PATTERN DENSITY ACROSS THE BOARD ON ALL PRODUCTS MANUFACTURED WITH CERAMIC TAPE.	INCREASE THE PATTERN DENSITY OF ALL THE PRODUCTS WITH CERAMIC TAPE	TUSONIX INC.	200402	16
BARIUM COMPOUNDS	REDUCE THE AMOUNT OF CERAMIC POWDER WASTE (CONTAINING BARIUM) IN 1994 BY 10% COMPARED TO 1993	IMPROVE TOOLING TO BETTER UTILIZE POWDER. IMPROVE HOUSEKEEPING PRACTICES.	TUSONIX INC.	200402	2
BATH CHEMICALS - (H2O2, H2SO4, NAOH, DI H2O2)	REDUCE THE USE OF PIRANHA PROCESS BATH CHEMICALS (SULFURIC ACID, HYDROGEN PEROXIDE, DI WATER)	EVALUATE CURRENT PROCESS, EXPERIMENT WITH ELIMINATING ONE RINSE STEP, CONDUCT EXPERIMENTS ON TEST WAFERS, QUALIFY PRODUCT FOR CUSTOMERS AND CONVERT TO NEW PROCESS.	SCI,L.L.C (ON SEMICONDUCTOR)	200726	13
BATH CHEMICALS - (ACIDS, WATER)	REDUCE WATER USE AND EXTEND CHEMICAL AND DI WATER RINSE BATH LIFES IN DIFFUSION AREA.	EVALUATE CHEMICAL AND RINSE BATHS FOR POSSIBLE BATH LIFE EXTENSION, EXPERIMENT WITH EXTENDING BATH LIFE AND REDUCING WATER USE, CONDUCT EXPERIMENTS ON TEST WAFERS, QUALIFY PRODUCT FOR CUSTOMERS AND CONVERT TO NEW PROCESS.	SCI,L.L.C (ON SEMICONDUCTOR)	200726	14
BATH CHEMICALS - (ACIDS, BUFFERED OXIDE ETCH)	REDUCE BATH CHEMICAL USAGE ON A WAFER THROUGHPUT BASIS RATHER THAN TIME (SHIFT) BASIS.	OPTIMIZE CHEMICAL USE BY: EVALUATING CURRENT PROCESS, EXPERIMENT WITH CHANGING BATHS ON A WAFER THROUGHPUT BASIS, CONDUCT EXPERIMENTS ON TEST WAFERS, QUALIFY PRODUCT FOR CUSTOMERS AND CONVERT TO NEW PROCESS.	SCI,L.L.C (ON SEMICONDUCTOR)	200726	15
BATTERIES	ELIMINATE THE DISPOSAL OF USED BATTERIES AS HAZARDOUS WASTE AND INCREASE BATTERY RECYCLING.	IMPLEMENT A PROCUREMENT POLICY WHEREBY ALL BATTERY PURCHASES ARE REQUESTED THROUGH THE HAZMART PHARMACY. THE HAZMART PHARMACY WOULD PROVIDE THE TRACKING AND DISTRIBUTION OF NEW BATTERIES, AND THE COLLECTION AND RECYCLING OF USED BATTERIES. THIS WOULD ELIMINATE THE DISPOSAL OF USED BATTERIES AS HAZARDOUS WASTE.	AZ AIRFORCE NATIONAL GUARD (TUCSON/PHOENIX)	200696	8T
BATTERIES	REDUCE THE CONSUMPTION AND DISPOSAL OF BATTERIES BY 25% BY THE END OF THE FISCAL YEAR 1999. (7/00 - REPORTED REDUCTION IS ABOUT 200 LBS A YEAR OR 70%.)	USE RECHARGEABLE BATTERIES WHERE POSSIBLE. STOCK SMALLER AMOUNTS OF BATTERIES IN THE WAREHOUSE. INSTITUTE A BATTERY RECYCLING PROGRAM ONSITE. BASELINE QUANTITY 359 POUNDS 1998.	U.S. DOI YUMA DESALTING PLANT	200562	2

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
BATTERIES	REDUCE THE AMOUNT OF USED ALKALINE, CARBON, ZINC AND NICKEL BATTERIES LANDFILLED.	COLLECT ALL USED BATTERIES AND SEND OFF-SITE TO A RECYCLING COMPANY.	WORLD RESOURCES COMPANY	200440	18
BENZENE	ELIMINATE OR REDUCE THE AMOUNT OF SAFETY KLEEN MANIFESTED FOR RECYCLING.	REPLACING SAFETY KLEEN 140 PREMIUM SOLVENT WITH SAFETY KLEEN 150 PREMIUM SOLVENT UNSUCCESFUL; TRY AQUEOUS BASED PARTS CLEANER INSTEAD; PURCHASE 3-5 PRESSURE WASH CABINETS.	BHP COPPER, SAN MANUEL SMELTING AND REFINING	200226	2
BENZENE	REDUCE THE TOXICITY OF THE RESIN	CHANGE TO BENZENE FREE GNATREZ RESIN	NORTHROP-GRUMMAN	200174	9
BENZENE	ELIMINATE PETROLEUM NAPTHA AS A PARTS CLEANER.	REPLACE WITH MIRACHEM-500 (CITRUS BASED).	PROCTER & GAMBLE MFG	200302	3
BENZENE	DECREASE THE AMOUNT OF TOXIC CHEMICALS RELEASED INTO THE ENVIRONMENT.	IMPLEMENT A FUELS RECOVERY PROGRAM.	SHELL OIL PRODUCTS - PHOENIX SALES TERMINAL	200380	5
BENZENE	ELIMINATE THE DISPOSAL OF SPENT CARBON GENERATED BY THE VRU PROCESS.	DEVELOP A REGENERATION PROCESS FOR SPENT CARBON TO REUSE IT FOR ITS ORIGINAL PURPOSE.	SHELL OIL PRODUCTS - PHOENIX SALES TERMINAL	200380	7
BENZENE	REDUCE PETROLEUM CONTACT WATER THROUGH FUELS RECOVERY SYSTEM. (JANUARY 2000 REDUCTION OF 841 GALLONS.)	IMPLEMENT FUELS RECOVERY PROGRAM.	SHELL OIL PRODUCTS - TUCSON SALES TERMINAL	200381	8
BENZENE	ELIMINATE WASTE WATER TREATMENT SYSTEM'S CARBON BEDS/BENZENE WASTE STREAM (CARBON REMOVES VOC's FROM TREATMENT SYSTEM.	USE STEAM STRIPPER TO STRIP DISSOLVED HYDROCARBONS IN THE WASTEWATER THEN RECYCLE BACK TO REFINING PROCESS	SUNBELT REFINING-COOLIDGE AZ	200365	2
BENZENE	GENERAL: REDUCE AIR EMISSIONS, WATER DISCHARGES, AND OFFSITE TRANSFERS OF HAZ. WASTE BY 50% BY DEC. 1995 FOR 7 CHEMICALS (BENZENE, MEK, TOLULENE, DICHLOROMETHANE, XYLENE, AND CHROMIUM) IN THE 33/50 PROGRAM	PRODUCT SUBSTITUTIONS AND PROCESS / SPECIFICATION MODIFICATIONS	THE BOEING COMPANY	200238	4
BENZENE	REDUCE THE DISPOSAL OF TANK BOTTOM WATER BY 80%.	TREAT THE WASTEWATER USING GRANULAR ACTIVATED CARBON. ADDED RPT DTD 6/18/98: AND OIL SPECIFIC ABSORBENTS.	U.S.A.F. - DAVIS MONTHAN	200408	5
BERYLLIUM OXIDE	RECYCLE 100% OF THE DUST COLLECTOR FINES IN AN EXISTING SYSTEM.	ANALYZE DUST COLLECTOR FINES FOR PURITY; FEED THE MATERIAL INTO THE ARC FURNACE AT ELMORE, OHIO; 100% GOES BACK TO NEW PRODUCTS.	BRUSH CERAMIC PRODUCTS	200075	3
BERYLLIUM OXIDE	SCREEN THE HOUSE VACUUM DEBRIS & SEND TO BRUSH WELLMAN'S ELMORE OHIO FACILITY FOR REUSE IN OTHER BERYLLIUM PROCESSES. ACTION PLAN (1): RESEARCH OPPORTUNITY FOR RECYCLE AT THE ELMORE OHIO FACILITY. ACTION PLAN (2): COLLECT SAMPLES FOR QUALITY ANALYSIS. ACTION PLAN (3): DETERMINE ACCEPTABILITY FOR RECYCLE. ACTION PLAN (4): PURCHASE & INSTALL EQUIPMENT & MATERIALS FOR SCREENING. ACTION PLAN (5): INSTITUTE PROCEDURES FOR SCREENING MATERIAL & SHIP TO ELMORE FOR RECYCLE.	INSTALL EQUIPMENT AND FACILITY TO SAFELY HANDLE AND SCREEN THE MATERIAL.	BRUSH CERAMIC PRODUCTS	200075	5
BIFLUORIDE	REDUCE THE GENERATION OF SPENT TIN STRIPPER BY 1. MEASURING CURRENT DEPOSIT THICKNESS. 2. ETCH EVALUATION ON REDUCED THICKNESS. 3. PILOT PRODUCTION RUN. 4. IMPLEMENT PROCESS CHANGE	EVALUATE EFFECTIVENESS OF REDUCED THICKNESS OF ETCH IN PILOT PRODUCTION RUN.	QUICK TURN CIRCUITS, INC.	200596	4
BINDER	REDUCE QUANTITY OF BINDER REQUIRED	IMPROVE SAND QUALITY WHICH WILL REDUCE THE AMOUNT OF BINDER REQUIRED	ME GLOBAL INC.	200079	4
BISPHENOL A	ELIMINATE THE USE OF BIS PHENOL A IN WAX FORMULATION USED IN THE MOLD PROCESS.	REPLACE THE CURRENT WAX FORMULATION WITH A NON EPCRA SECTION 313 CHEMICAL.	DOLPHIN, INCORPORATED	200125	17
BLEACH	WASTE WATER PRE TREATMENT PLANT (9.2): REDUCE DEPENDENCY ON CHEMICAL WASTE WATER PRETREATMENT METHODS BY 30%.	INVESTIGATE ALTERNATE PRETREATMENT TECHNOLOGIES THAT ARE NOT CHEMICAL PRECIPITATION BASED, OR USE LESS CHEMICALS. SECURE CAPITAL FUNDING FOR PRETREATMENT SYSTEM MODIFICATIONS, IF NEEDED. MAKE SYSTEM MODIFICATIONS AND QUANTIFY RESULTS.	MOTOROLA-TEMPE	200259	27
BOD	REDUCE BOD BY 20% AND TSS BY 80% IN WASTE WATER OVER THE NEXT 2 YEARS.	REDUCE THE BOD AND TSS IN WASTE WATER BY THE IMPLEMENTATION OF A BUBBLE ACCELERATED FLOTATION SYSTEM.	UNITED DAIRYMEN OF ARIZONA	200416	10
BORON TRICHLORIDE	REDUCE BORON TRICHLORIDE WASTE STREAM; RECOVERY GOAL 5000 LBS/YR.	BY INVESTIGATING POSSIBLE PRODUCT RECOVERY ALTERNATIVES AND IMPLEMENTING THE OPTION WHICH MAXIMIZES EFFICIENCY AND MINIMIZES PRODUCT WASTE. NOTE: THIS ITEM IS A NEW SYSTEM AND DOES NOT HAVE A BASELINE QUANTITY TO START FROM.	BOC GASES	200020	13
BORON	REDUCE THE CONCENTRATION OF BORON AND ARSENIC IN THE WASTE WATER GENERATED BY NEUTRALIZING ACID AND CAUSTIC RINSE WATERS.	RESEARCH POLYMERS AND COAGULANTS THAT MAY ENHANCE METAL REMOVAL; RESEARCH SECONDARY WASTEWATER TREATMENT; RECYCLE TWICE-TREATED WASTEWATER.	DOLPHIN, INCORPORATED	200125	7
BORON POLYMER	REDUCE THE AMOUNT OF LIQUID DOPANT APPLIED TO A SPINNING WAFER	REPLACE MECHANICAL PUMP WITH A MICROPROCESSOR CONTROLLED PRESSURE PUMP. THIS WILL OPTIMIZE APPLICATION	MOTOROLA SCG	200253	20

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
BORON IN WWTF	REDUCE WASTE WATER TREATMENT FACILITY EXCEEDANCES FOR BORON	BORON: TREAT SPENT PHOTO SHOP FIXER FOR BORON; INSTALL ANTIFREZE RECYCLER; UPGRADE TRAINING PROGRAMS FOR GOOD HOUSEKEEPING	U.S.A.F. - LUKE	200409	11
BRASS	REDUCE BRASS (COPPER) SCRAP DURING THE METAL FORMING PROCESS ON ALL PRESSES.	INSTALL DOUBLE-CUT FEEDERS ON ALL PRESSES THAT RUN BRASS PARTS.	TRANS-MATIC MFG. INC	200617	1
BRICK (REFRACTORY)	REDUCE WEAR AND TEAR AND EXTEND SERVICE LIFE OF THE REFRACTORY BRICK. ***DROPPED***	IMPROVE OPERATIONAL EFFICIENCY OF KILN BURNING PROCESSES.	ARIZONA PORTLAND CEMENT COMPANY	200063	2
BRICK (REFRACTORY)	ELIMINATE THE OFFSITE SHIPMENT OF SPENT REFRACTORY BRICK USED IN THERMAL REDUCTION PROCESS.	REUSE SPENT REFRACTORY BRICK TO WASH BALL MILLS IN PLACE OF COMMERCIALLY PURCHASED SAND.	GANNON & SCOTT PHOENIX, INC.	200168	9
BUTANE	REDUCE USE OF AEROSOL TOUCH-UP SPRAY.	REPLACE PAINT SPRAY CANS WITH AIR SPRAY SYSTEM; RESEARCH ALTERNATIVES, CONDUCT TESTING OF ALTERNATIVES, IMPLEMENT NEW METHOD	ADOBEAIR, INC.	200008	4
BUTANOL	INVESTIGATE WAYS TO REDUCE WASTE FROM BUTANOL ADDED TO ETCHANT CONTAINER FOR CLEANING	PERFORM TESTS USING SMALLER AMOUNTS OF BUTANOL FOR CLEANING	W. L. GORE & ASSOC.(4TH ST.)	200429	6
BUTANOL	REDUCE THE AMOUNT OF BUTANOL USED IN THE NUETRALIZATION PROCESS BY 12/31/99.	1. CUSHION THE CONTACT POINT BETWEEN THE 5 GALLON PROCESS CONTAINERS AND THE EXISTING TUMBLER MACHINE BY 7/31/98. 2. CONSTRUCT NEW TUMBLER MACHINE THAT DISTRIBUTES PRESSURE POINTS EVENLY OVER THE 5 GALLON PROCESS CONTAINERS BY 3/31/99. 3. INVESTIGATE AND IF APPLICABLE, INSTITUTE THE USE OF CORROSIVE RESISTANT 5 GALLON PROCESS CONTAINERS BY 11/30/99.	W. L. GORE & ASSOC.(4TH ST.)	200429	7
BUTYL ALCOHOL/HEXANE	REDUCE SOLVENT WASTE FROM THE EXTRACTION OF SPONGIA SPECIES	DEVELOP ALTERNATIVE METHODOLOGIES AND PROCEDURES TO REDUCE WASTE	ARIZONA STATE UNIVERSITY-RISK MGMT.	200064	2
BUTYL ACETATE	REDUCE THE QUANTITY OF BUTYL ACETATE (12,858 LBS.) USED AND HAZARDOUS WASTE (11,872 LBS.) GENERATED BY 60%	IMPLEMENT ON-SITE RECYCLING: (1) OBTAIN INFO. ON REGULATORY REQUIREMENTS 2/98. (2) OBTAIN EQUIPMENT VENDOR INFO. & IN-HOUSE RECYCLING SYSTEM. 5/98 (3) EVALUATE RECYCLING SAMPLES 6/98. (4) BATCH TEST 7/98. (5) DETERMINE LOCATION & INSTALL EQUIPMENT 8/98. (6) ACHIEVE APPROVAL TO PURCHASE & DELIVER BY 9/98. (7) INSTALL & SYSTEM CHECK 11/98. (8) HIRE OPERATOR 11/01/02.	MICROSEMI CORP.	200246	13
BUTYL ACETATE, XYLENE	REDUCE VOC EMISSIONS IN GOLF BALL TOP COATING **DROPPED ** SEE #9	REPLACE EXISTING TOPCOAT WITH LOWER VOC CONTENT TOPCOAT, EVALUATE ALTERNATIVE COATINGS	PING, INC	200208	4
BUTYL ACETATE	REDUCE PAINT SOLIDS (HAZ WASTE) GENERATION & HAZ WASTE WATER FROM COATING SYSTEMS.	MAINTAIN pH OF WATER IN THE WATERFALL PAINT BOOTH, ALLOWING MORE EFFICIENT WATER RECIRCULATION	PING, INC	200208	5
C8+AROMATICS	ELIMINATE THE USE OF MINERAL SPIRITS USED TO CLEAN METAL PARTS	EVALUATE ALTERNATIVES AND SELECT A REPLACEMENT	U-HAUL INTERNATIONAL TECHNICAL CENTER	200403	1
C8+AROMATICS	RECYCLE USED MINERAL SPIRITS IN PROCESS	EVALUATE RECYCLING SYSTEMS; SELECT SYSTEM AND INSTALL	U-HAUL INTERNATIONAL TECHNICAL CENTER	200403	2
CADMIUM / NICKEL	REDUCE DISPOSAL OF FORMATION ELECTROLYTE BY 10%.	DEVELOP METHOD TO REUSE ELECTROLYTE BY REGULAR CARBONATE TESTING AND FILTRATION	ACME ELECTRIC CORP. AEROSPACE DIVISION	200482	1
CADMIUM	REDUCE EMPLOYEE EXPOSURE TO FUGITIVE HAZARDOUS AIR POLLUTANTS (HAPS)	PERFORM A SERIES OF AIR TESTS FOR THE KNOWN HAPS. REVISE WASTE TEATMENT OR ADD ENGINEERING CONTROLS BASED ON TEST RESULTS. INSTALL CARBON ABSORPTION HOOD ASSEMBLY FOR TOLUENE. INSTALL GLOVE BOX FOR CADMIUM. CONTINUE MONITORING FOR CADMIUM.	ACME ELECTRIC CORP. AEROSPACE DIVISION	200482	10
CADMIUM COMPOUNDS	REVIEW POSSIBLE SUBSTITUTION FOR CADMIUM OXIDE USED TO FORMULATE THE PASTE TO MANUFACTURE THE NEGATIVE BATTERY ELECTRODE PLATES.	REVIEW POSSIBLE SUBSTITUTION FOR CADMIUM OXIDE WHICH IS AN EXTREMELY HAZARDOUS SUBSTANCE UNDER SARA TITLE 3. ENGINEERING TO EVALUATE USING CADMIUM HYDROXIDE INSTEAD.	ACME ELECTRIC CORP. AEROSPACE DIVISION	200482	15
CADMIUM	REDUCE AMOUNT OF CADMIUM SLUDGE IN PASTING AREA.	REUSE OUT-OF-SPEC PASTE; CHANGE EQUIPMENT TO REDUCE PASTE CONSTITUENTS GOING TO WASTE TREATMENT; LIMIT RECLAIMED MATERIAL ADDED TO BATCHES	ACME ELECTRIC CORP. AEROSPACE DIVISION	200482	3
CADMIUM	ELIMINATE THE NEED TO PAINT NEWLY SURFACED ROADS.	INVESTIGATE INSERTING DRY PIGMENT INTO PAVEMENT WHEN PAVEMENT IS ORIGINALLY LAID. THIS WOULD ELIMINATE PAINTING ALL TOGETHER.	ADOT- SAFETY AND HEALTH SECTION	200009	17
CADMIUM	REDUCE POLLUTANTS (LEAD, CHROMIUM, CADMIUM, COPPER, NICKEL, ZINC, SILVER) RELEASED TO POTW THROUGH RINSE WATER.	ESTABLISH WRITTEN RINSING SEQUENCES (PROCEDURES) FOR THE STEEL AND ALUMINUM PLATING LINES.	AZ PLATING & ANODIZING CO	200062	2
CADMIUM	REDUCE HAZARDOUS AIR POLLUTANTS BY 5.8 TONS/YR BY 1999 RESULTING FROM STACK EMISSIONS AND CONCENTRATE HANDLING.	INSTALL ANODE FLOOR INSTRUMENTATION. PURCHASE INCREASED EFFICIENCY VACUUM STREET SWEEPER. 1. DRYER BAGHOUSE HAS BEEN INSTALLED. 2. HIGH EFFICIENCY SWEEPER HAS BEEN PURCHASED AND REMAINS IN USE. 3. ANODE FLOOR INSTRUMENTATION AND STEAM INJECTION HAS BEEN INSTALLED.	BHP COPPER, SAN MANUEL SMELTING AND REFINING	200226	17

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
CADMIUM	REDUCE HEAVY METALS SOIL CONTAMINATION FACILITY WIDE BY 30% BY 1999.	CONSTRUCTION OF COVERED CONCENTRATE STORAGE FACILITY. ENGINEERING AND DESIGN PLANS WERE COMPLETED DURING CALENDAR YEAR 1998 AND CONSTRUCTION WAS BEGUN. CONSTRUCTION COMPLETED 6/15/99. COVERED CONCENTRATE STORAGE FACILITY NOW IN OPERATION.	BHP COPPER, SAN MANUEL SMELTING AND REFINING	200226	18
CADMIUM	DELIVER 10 TRAINING SEMINARS TO BHP EMPLOYEES WHICH DETAIL PROPER MANAGEMENT AND POLLUTION PREVENTION PRACTICES OF AND PERTAINING TO REDUCTION OF HEAVY METALS CONTAMINATED SOIL.	DELIVER TRAINING SEMINARS. SEMINARS COMPLETED. ANNUAL TRAINING WILL CONTINUE WITH EXISTING EMPLOYEES.	BHP COPPER, SAN MANUEL SMELTING AND REFINING	200226	19
CADMIUM	REDUCE RUNOFF OF SLAG CONSTITUENTS BY CONSTRUCTING A LINED RECLAMATION POND AT SLAG COOLING PITS.	CONSTRUCTION OF LINED RECLAMATION POND	BHP COPPER, SAN MANUEL SMELTING AND REFINING	200226	20
CADMIUM	REDUCE THE AMOUNT OF CADMIUM IN THE ELECTRO-PLATING SLUDGE BY 50% AND RECLAIM CADMIUM FROM PLATING RINSE WATERS	INSTALL AN ELECTROWINING CELL IN THE CADMIUM PLATING LINE FOR AEROSPACE FASTENER MANUFACTURING TO RECLAIM CADMIUM IN THE RINSE LINE	HUCK FASTENERS	200183	1
CADMIUM	REDUCE CADMIUM WASTE FROM ABRASIVE BLAST PROCESS BY 60%	ISOLATE CADMIUM CONTAMINATION AND ENGINEERING CHANGES TO PROHIBIT CROSS CONTAMINATION BETWEEN SEPARATE UNITS.	HUCK FASTENERS	200183	5
CADMIUM	ELIMINATE THE USE OF CADMIUM IN THE PLATING PROCESS.	REPLACE CADMIUM PLATING PROCESS WITH ALUMINUM COATING BY USING EITHER A SPRAYED OR ION DEPOSITION PROCESS.	HUCK FASTENERS	200183	7
CADMIUM COMPOUNDS	ELIMINATE PLASTICS THAT CONTAIN HEAVY METAL (Cd) COLORANTS FROM THE MODEL SHOP.	REVIEW IBM CORPORATE MATERIAL SPECIFICATIONS TO FIND ACCEPTABLE SUBSTITUTE PLASTIC. MODIFY DESIGN SPECIFICATIONS FROM ENGINEERING TO INCLUDE NEW PLASTICS. USE NEW PLASTICS IN THE MODEL SHOP.	IBM CORPORATION	200194	7
CADMIUM	ELIMINATION OF CADMIUM CONTAINING PHOSPHORS USED IN THE PRODUCTION OF NIGHT VISION DEVICES.	REPLACED CADMIUM CONTAINING PHOSPHOR MATERIALS WITH NON-CADMIUM PHOSPHORS	LITTON ELECTRO - OPTICAL SYSTEMS	200218	10
CADMIUM	REDUCTION OF SOLID WASTES BY 25% IN OUR CADMIUM AND LEAD POWDER PROCESSES	REPLACE CADMIUM CONTAINING PHOSPHOR MATERIAL WITH A CADMIUM FREE PHOSPHOR. REPLACE LEAD POWDER TO MAKE METAL TO GLASS SEALS BY USING SOLID PREFORM WASHERS	LITTON ELECTRO - OPTICAL SYSTEMS	200218	8
CADMIUM / LEAD	REDUCE PHOTORESIST WASTE IN APPLICATION PROCESS.	REPLACED EXISTING PUMPS WITH IDI PUMPS WHICH DISPENSE MORE PRECISELY.	MOTOROLA - MESA	200255	1
CADMIUM & CHROMIUM WASTE	REDUCE TIRE AND WHEEL WASH WASTE STREAMS CONTAINING CHROMIUM AND CADMIUM.	REUSE WASH WATER BEFORE DISCARDING. FILTER WASH WASTE BY GRANULAR ACTIVATED CARBON; PURCHASE AND INSTALL HOT WATER PARTS WASHER	U.S. MARINE CORPS - YUMA AIR STATION	200407	2
CADMIUM	REDUCE WASTE WATER GENERATED BY THE 56TH EMS WHEEL & TIRE SHOP JET WASHERS.	USE WATER EATERS "EVAPORATORS" INVESTIGATE SUITABILITY OF USING THE WWTF PRETREATMENT UNIT. USE SURFACTANT THAT DOES NOT ATTACK THE HEAVY METAL ON PARTS BEING WASHED	U.S.A.F. - LUKE	200409	27
CADMIUM	REDUCE WASTE WATER GENERATED BY THE 56TH EMS AND 944TH ARMAMENT SHOPS JET WASHERS.	USE WATER EATERS "EVAPORATORS" INVESTIGATE SUITABILITY OF USING THE WWTF PRETREATMENT UNIT.	U.S.A.F. - LUKE	200409	28
CADMIUM	ELIMINATE DISPOSAL OF NI-CAD BATTERIES AS HAZARDOUS WASTE.	RECYCLE NI-CAD BATTERIES.	U.S.A.F. - LUKE	200409	29
CADMIUM	MAINTAIN MINIMAL WASTE STREAM GENERATION BY REDUCING WATER FROM NEW WET BEAD BLAST OPERATION AT 56TH EMS	USE WATER EATERS "EVAPORATOR" FOR WET BEAD BLAST WASTE STREAM.	U.S.A.F. - LUKE	200409	33
CALCIUM HYPOCHLORITE	REDUCE THE AMOUNT OF CALCIUM HYPOCHLORITE NEEDED TO TREAT CYANIDE IN WASTE TREATMENT. **NEED REDUCTION MEASUREMENT TO CLOSE OUT THIS GOAL**	RE-PIPE THE POST ZINCATE RINSE TANK DRAIN LINE TO THE GENERAL RINSE STREAM, SO IT NO LONGER FLOWS TO THE CYANIDE TREATMENT SYSTEM.	CHEM RESEARCH CO	200085	26
CALCIUM CARBONATE	REDUCE BOTH OVER-TREATED AND UNDER-TREATED COTTON SEED.	IMPROVE TREATMENT APPLICATION BY MODIFYING THE EQUIPMENT.	DELTA & PINE LAND CO	200119	8
CALCIUM FLUORIDE	INCREASE RECYCLE OF CHEMICAL WASTE GNERATED FROM WAFER FABRICATION AND ASSEMBLY TEST OPERATIONS TO 35% OF THE CHEMICAL WASTE GENERATED.	SEGREGATE THE SOLVENT GENERATED IN LITHOGRAPHY OPERATIONS FROM THAT GENERATED IN OTHER OPERATIONS SO THAT SOLVENT CAN BE DISTILLED WHERE THE NMP CAN BE RECOVERED. INCREASE THE FLUORIDE CONTENT OF THE CALCIUM FLUORIDE CAKE GENERATED FROM THE HF NEUTRALIZATION PROCESS AND SELL THE CAKE FOR USE IN ALUMINUM SMELTING.	INTEL CORP.- CHANDLER CAMPUS	200191	19
CALCIUM HYPOCHLORITE	ELIMINATE THE USE OF CALCIUM HYPOCHLORITE	OPERATIONS - MILL:ELIMINATE THE USE OF CALCIUM HYPOCHLORITE AT THE TAILINGS SEEPAGE RETURN PONDS USED FOR ALGAE GROWTH.	PHELPS DODGE BAGDAD, INC.	200114	8
CANISTER	PROCESS 95% OF OFF SPECIFICATION CANISTER ASSEMBLIES TO OPEN THEM AND RECOVER GAS GENERANT. (7/2000: 100% GAS RECOVERED.)	MECHANICALLY OPEN GAS GENERANT CANISTERS TO RECOVER THE GAS GENERANT	TRW VEHICLE SAFETY SYSTEMS,MESA I	200395	8

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
CARBON DIOXIDE	INVESTIGATE TO DETERMINE IF ALTERNATE ENERGY SOURCES (COGENERATION) CAN RESULT IN LOWER EMISSIONS OF NOX, SOX, CO2.	REPLACE SELF-GENERATED AND PURCHASED UTILITIES (STEAM, HOT WATER, ELECTRICITY) WITH UTILITIES GENERATED FROM A COGENERATION FACILITY WHICH WILL HAVE A BETTER EFFICIENCY.	ABBOTT LABORATORIES	200326	11
CARBON DISULFIDE	REDUCE FUGITIVE EMISSIONS OF LIQUID XANTHATE FROM STORAGE AREA.	ENGINEER A SCRUBBER SYSTEM CAPABLE OF CAPTURING ANY ESCAPING VAPORS	ALKEMIN, S. DE R.L. DE C.V.	200211	13
CARBON DISULFIDE	(C) ELIMINATE DRY XANTHATE FUGITIVE EMISSIONS	RESEARCH CAUSE AND EXTENT OF EMISSIONS; DEVELOP ECONOMICAL WAY TO ELIMINATE REPLACE OLD, DRIPPING AND LEAKING VALVES.	ALKEMIN, S. DE R.L. DE C.V.	200211	3
CARBON TETRACHLORIDE	ELMINATE THE USAGE OF1,1,1-TCA, CARBON TETRACHLORIDE, METHYLENE CHLORIDE, PERC AND TRICHLOROETHYLENE.	EVALUATE SUBSTITUTES; DISAPPROVE THESE CHEMCIALS FOR ON-SITE USE AND RESTRICT REORDER CAPABILITY.	APS PALO VERDE NUCLEAR	200042	1
CARBON MONOXIDE	REDUCE COMBUSTION BYPRODUCTS BY 10% (VOCS, NOXS AND CO) BY REDUCING NATURAL GAS USAGE.	FABRICATE, INSTALL AND TEST A CONVERTER MOUTH COVER. THE COVER WILL SEAL THE CONVERTER MOUTH DURING HOLDING TIMES.	ASARCO RAY COMPLEX/HAYDEN SMELTER & CONCENTRATOR	200046	10
CARBON DIOXIDE	FURTHER REDUCE STACK EMISSIONS TO THE ATMOSPHERE FROM THE SCRUBBER/ BAGHOUSE CONTROL SYSTEM	TEST REDUCTION OPPORTUNITIES DURING ANNUAL STACK TESTING PROCEDURE	BFI MEDICAL WASTE OF ARIZONA	200517	2
CARBON MONOXIDE	FURTHER REDUCE STACK EMISSIONS TO THE ATMOSPHERE FROM THE SCRUBBER/ BAGHOUSE CONTROL SYSTEM	TEST REDUCTION OPPORTUNITIES DURING ANNUAL STACK TESTING PROCEDURE	BFI MEDICAL WASTE OF ARIZONA	200517	2
CARBON DISULFIDE	REDUCE THE TOXICITY OF REAGENTS USED IN THE MILLING AND CONCENTRATING PROCESS	PERFORM RESEARCH IN ORDER TO IDENTIFY ALTERNATIVE PRODUCTS/REAGENTS	BHP COPPER, SAN MANUEL SMELTING AND REFINING	200226	27
CARBON TETRACHLORIDE	REDUCE THE USE OF CARBON TETRACHLORIDE **DROPPED***	CONDUCT EXPERIMENTS WITH TRIMETHYL ARSENIC (TMA) FOR FEASIBILITY OF USING AS A REPLACEMENT FOR CARBON TETRACHLORIDE	EPITRONICS CORP	200137	6
CARBON DIOXIDE	REDUCE EMISSIONS BY CAPTURING THE EMISSIONS FROM POWER PLANT AND USING THE EMISSIONS AFTER CATALITIC CONVERSION AS INERT GAS TO PROTECT OUR PRODUCT FROM OXIDATON BY ATMOSPHERIC OXYGEN.	REDUCE PURCHASE OF INERTING GASES BY CAPTURING EMISSIONS FROM NATURAL GAS POWERED GENERATOR.	GOWAN CO.	200164	12
CARBON, SULFUR AND NITROGEN DIOXIDE	REDUCE ANNUAL AVERAGE ELECTRIC CONSUMPTION BY AVERAGE OF 4% PER YEAR.	SHUT DOWN NON-ESSENTIAL BUILDING AIR HANDLER MOTORS; CHANGED OFFICE LIGHTING TO HIGH EFFICIENCY	IMATION CORPORATION	200001	5
CARBON DIOXIDE	DECREASE THE USE OF SINGLE OPERATOR MOTOR VEHICLES AS MEASURED BY THE MARICOPA COUNTY TRIP REDUCTION PROGRAM.	INCREASE EMPLOYEE EDUCATION; OFFER TRIP REDUCTION INCENTIVES; CARPOOL MATCHING.	INTEL CORP.- CHANDLER CAMPUS	200191	22
CARBON MONOXIDE	DECREASE THE USE OF SINGLE OPERATOR MOTOR VEHICLES AS MEASURED BY THE MARICOPA COUNTY TRIP REDUCTION PROGRAM.	INCREASE EMPLOYEE EDUCATION; OFFER TRIP REDUCTION INCENTIVES; CARPOOL MATCHING.	INTEL CORP.- CHANDLER CAMPUS	200191	22
CARBON TETRACHLORIDE	ELIMINATE THE USE OF CARBON TETRACHLORIDE IN WAFER MANUFACTURING	PRODUCT SUBSTITUTION FROM CARBON TETRACHLORIDE TO CHLORINE GAS TO ELIMINATE CHLORINATED SOLVENT USE	MICROCHIP TECHNOLOGY-CHANDLER	200247	3
CARBON DISULFIDE	ELIMINATE VOLATILE LOSSES FROM THE XANTHATE MIXERS (PRIMARLY CARBON DISULFIDE) TO REDUCE RISK OF FIRE & PERSONNEL SAFETY***INACTIVE***	COMPLETE MODIFICATIONS OF 3 XANTHATE MIXERS (LIDS, SHAFT SEAL, MISC. WELDING) TO PROVIDE 5 PSIG GAS TIGHT CAPABILITY	MINEREC MINING CHEMICALS	200471	1
CARBON DISULF/MMA/ECF/IPA	SEE GOAL 7	BRING SCRUBBER DISCHARGE INCINERATOR ON LINE	MINEREC MINING CHEMICALS	200471	10
CARBON DISULF/MMA/ECF/IPA	REDUCE POLLUTANT LOSS INDEX (PLI) BY 10% FROM 1991 BASELINE (0.14%)	USE ENTIRE P2 PLAN TO REDUCE PLI PERCENTAGE.	MINEREC MINING CHEMICALS	200471	12
CARBON DISULF/MMA/ECF/IPA	REDUCE POLLUTANT LOSS INDEX BY 25% FROM 1991 BASELINE (0.14%)	USE ENTIRE P2 PLAN TO REDUCE PLI PERCENTAGE.	MINEREC MINING CHEMICALS	200471	13
CARBON DISULF/MMA/ECF/IPA	INCLUDE POLLUTION PREVENTION TRAINING MODULE IN TRAINING FOR ALL EMPLOYEES ***INACTIVE***	DESIGN AND DOCUMENT TRAINING MODULE	MINEREC MINING CHEMICALS	200471	16
CARBON DISULF/MMA/ECF/IPA	COMPLETE MAINTENANCE SERVICE POINT CHECKLIST	PREVENTIVE MAINTENANCE WILL HAVE A POSITIVE IMPACT ON POLLUTION PREVENTION BY REDUCING THE NUMBER OF EQUIPMENT BREAKDOWNS	MINEREC MINING CHEMICALS	200471	17
CARBON DISULFIDE	REDUCE AMOUNT OF DISCARDED CONTAINERS, AND LOSS OF RESIDUAL FEEDSTOCKS LEFT IN CONTAINERS	COMPLETE INSTALLATION OF BULK OFF-LOADING, STORAGE, AND TRANSFER FACILITIES WITH STAINLESS STEEL PIPING VALVES, PER ASME B31.1.	MINEREC MINING CHEMICALS	200471	6
CARBON MONOXIDE	REDUCE THE AMOUNT OF NOX AND CO EMISSIONS BY 25% OVER THE FIRST SIX MONTHS OF 2001.	SHUTDOWN THE THERMAL OXIDIZERS BY JULY 15, 2001. THIS WILL REDUCE THE SITES CO AND NOX EMISSIONS. THE SITE IS WELL BELOW THE REGULATORY THRESHOLD THAT REQUIRES VOC ABATEMENTS	MOTOROLA - RESEARCH DIV	200609	11
CARBON MONOXIDE	(11.1): REDUCE NATURAL GAS CONSUMPTION BY 30% AND COMBUSTION BYPRODUCTS (NOx AND CO) BY 30%	OPTOMIZE BOILER CAPACITY IN 7 NATURAL GAS FUELED BOILERS AND DECOMMISSION EXCESS CAPACITY IF FEASIBLE	MOTOROLA-TEMPE	200259	31

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
CARBON MONOXIDE	(11.2):REDUCE NATURAL GAS CONSUMPTION BY 30% AND COMBUSTION BYPRODUCTS (NOx AND CO) BY 30%. (MEASUE THIS GOAL WITH GOAL 30)	BENCHMARK TECHNOLOGICAL RETROFIT METHODS FOR SMALL INDUSTRIAL BOILERS TO REDUCE NATURAL GAS CONSUMPTION AND REDUCING NOx AND CO EMISSIONS, SECURE CAPITAL FUNDING FOR RETROFITS, IMPLEMENT RETROFITS, AND QUANTIFY RESULTS	MOTOROLA-TEMPE	200259	32
CARBON MONOXIDE	REDUCE ANNUAL NATURAL GAS CONSUMPTION BY AN ESTIMATED 24,000 THERMS	IMPROVE PREVENTATIVE MAINTENANCE ON BURNER SYSTEMS AND CONTRACT FOR ANNUAL BURNER EFFICIENCY AND CALIBRATION CHECKS; DECREASE THE NUMBER OF HOURS USED; PURCHASE 2 ELECTRICAL LIFTS.	NELTEC, INC.	200491	7
CARBON MONOXIDE	REDUCE VEHICLE EMISSIONS FROM YARD VEHICLES 1) OBTAIN VARIOUS FUEL ADDITIVE PRODUCTS 12/31/1998 2) CONDUCT TRIALS TO EVALUATE EFFICIENCY 6/30/1999 3) DETERMINE IF IMPLEMENTATION IS APPROPRIATE 12/31/1999 4) INSTITUTE PROCEDURE 12/31/1999.	ADD FUEL ADDITIVE TO FUEL IN YARD VEHICLE TO REDUCE EMISSIONS. WE BEGAN USING DIESEL OIL SUPPLEMENT, POWER SERVICE GAS FUEL SYSTEM CLEANER AND DIESEL KLEEN. THIS PRODUCT IMPROVES FUEL MILEAGE, REDUCES EXHAUST SMOKE AND CLEANS INJECTORS.	NORTH STAR STEEL ARIZONA	200615	9
CARBON TETRACHLORIDE	ELIMINATE METASOLVENT IN QUALITY CONTROL LAB.	REPLACE WITH LESS TOXIC MATERIAL; REUSE THE SOLVENT THREE TIMES BY FILTERING.	PROCTER & GAMBLE MFG	200302	2
CARBON, SULFUR AND NITROGEN DIOXIDE	ADMINISTRATIVE SERVICES: FLOURESCENT LIGHTING UPGRADES	CONTINUE WITH LIGHTING UPGRADES AT ABOUT 10% OF THE LEVEL OF 1991 WORK. LOOK FOR NON-HAZ SUBSTITUTE FOR FLOURESCENT LIGHTS RECYCLE LIGHTS	RAYTHEON COMPANY USAF PLANT 44	200184	33
CARBON MONOXIDE	REDUCE AIR EMISSIONS FROM FORKLIFTS (CARBON MONOXIDE).	EVALUATE SUBSTITUTION WITH ELECTRICALLY POWERED FORKLIFTS	REXAM BEVERAGE CAN COMPANY-PHX AZ FACILITY	200031	7
CARBON MONOXIDE	WASTE STREAM #7: REDUCE POLLUTANT EMISSIONS FROM SMALL 2 CYCLE ENGINES IN OUTDOOR PRODUCT MANUFACTURING AND MEET 1994 EPA AIR POLLUTION REGULATIONS	DEVELOP A NEW 4 CYCLE EN-GINE FOR OUR PRODUCT LINE TO MEET CALIFORNIA EMISSION LEVELS FOR 1995 AND REDUCE AIR EMISSIONS BY 40%-50% OF ENGINE EXHAUST GASES	RYOBI OUTDOOR PRODUCTS, INC.	200483	2
CARBON MONOXIDE	REDUCE CO, NOX, AND PM10 EMISSIONS FROM TORCH CUTTING AND HEATING PROCESSES.	REPLACE NATURAL GAS USED AS A CUTTING FUEL GAS WITH PROPYLENE IN SMALL CYLINDERS. PROPYLENE HAS A HIGHER ENERGY CONTENT (2,371 BTU/GAL COMPARED TO 1,000 BTU/GAL FOR NATURAL GAS). CUTTING SPEED IS ALSO INCREASED USING PROPYLENE. LESS GAS WILL BE CONSUMED DURING CUTTING, THEREBY REDUCING EMISSIONS. EMISSIONS WILL ALSO BE REDUCED BY ELIMINATING LOSSES TO LEAKS IN THE NATURAL GAS DELIVERY SYSTEM. USING GASES IN BULK AND CYLINDERS WILL MAKE TRACKING INVENTORY, EFFICIENCY, AND THROUGHPUT EASIER AND MORE ACCURATE.	SCHUFF STEEL COMPANY-GILBERT	200681	1
CARBON TETRAFLUORIDE	ETCH: REDUCE PERFLUORO COMPOUND EMISSIONS. IDENTIFY OPTIONS FOR PROCESS OPTIMIZATION, ABATEMENT AND/OR RECYCLE OR PERFLUORO COMPOUNDS. 1) SIGN PFC AGREEMENT WITH EPA. 2) IDENTIFY PFC USAGE BY TOOL. 3) INVESTIGATE OPTIONS FOR PROCESS OPTIMIZATION, ABATEMENT. 4) PARTICIPATE IN SEMATECH STUDY FOR PFC'S.	EVALUATION AND BENCHMARKING TO REDUCE PERFLUORO COMPOUNDS (PFC) EMISSIONS.	STMICROELECTRONICS, INC.	200585	6
CARBON (SPENT)	ELIMINATE WASTE WATER TREATMENT SYSTEM'S CARBON BEDS/BENZENE WASTE STREAM (CARBON REMOVES VOC's FROM TREATMENT SYSTEM.	USE STEAM STRIPPER TO STRIP DISSOLVED HYDROCARBONS IN THE WASTEWATER THEN RECYCLE BACK TO REFINING PROCESS	SUNBELT REFINING-COOLIDGE AZ	200365	2
CARBON MONOXIDE	REDUCE LIQUID HAZARDOUS WASTE GENERATION BY 90% AT ALL FACILITIES ** GOAL DROPPED **	USE NON HAZARDOUS SOLVENTS, RECYCLE SOLVENTS, USE DETERGENTS.	TRANSWESTERN PIPELINE CO-STA. 1 KINGMAN	200386	3
CARBON MONOXIDE	REDUCE COMPRESSOR STACK EMISSIONS BY 25% ** GOAL COMPLETED BUT DROPPED **	REDUCE OPERATIONAL RUN TIME AND INSTALL POLLUTION CONTROL EQUIPMENT	TRANSWESTERN PIPELINE CO-STA. 1 KINGMAN	200386	4
CAUSTIC WASTE	REDUCE THE AMOUNT OF F006 SLUDGE GENERATED FROM THE CAUSTIC ETCH TANKS ON THE SPECIAL PROCESS LINE.	BY INSTALLING A FILTRATION UNIT AND ADDING A DESCALING ADDITIVE TO THE TANK.	CHEM RESEARCH CO	200085	12
CAUSTIC WASTE	REDUCE THE AMOUNT OF F006 SLUDGE GENERATED FROM THE CAUSTIC ETCH SOLUTIONS IN THE ANODIZE DEPT.	BY INSTALLING A FILTRATION UNIT AND ADDING A DESCALING ADDITIVE.	CHEM RESEARCH CO	200085	3
CAUSTIC SODA	REDUCE THE AMOUNT OF CHLORINE USED FROM RAIL CAR TO OLD SYSTEM.	IMPLEMENT A POWELL BLEACH MANUFACTURING SYSTEM TO HELP REDUCE THE VAPOR THE OLD SYSTEM BLEAD OFF FROM CHLORINE CYLINDERS. THIS NEW SYSTEM REDUCES THE OLD PROCESS BY 80%.	HILL BROTHERS CHEMICAL CO.-PHX.	200176	7
CAUSTIC SOLUTIONS	ELIMINATE THE LEAK POTENTIAL.	DISMANTLE CAUSTIC TRANSFER TANKS.	MI HOME PRODUCTS INC.	200072	11
CAUSTIC SOLUTIONS	WASTE WATER PRE TREATMENT PLANT (9.2): REDUCE DEPENDENCY ON CHEMICAL WASTE WATER PRETREATMENT METHODS BY 30%.	INVESTIGATE ALTERNATE PRETREATMENT TECHNOLOGIES THAT ARE NOT CHEMICAL PRECIPITATION BASED, OR USE LESS CHEMICALS. SECURE CAPITAL FUNDING FOR PRETREATMENT SYSTEM MODIFICATIONS, IF NEEDED. MAKE SYSTEM MODIFICATIONS AND QUANTIFY RESULTS.	MOTOROLA-TEMPE	200259	27
CAUSTIC SOLUTIONS	REDUCE THE AMOUNT OF CLEANER USED FOR DRUMS.	EVALUATE A FILTRATION SYSTEM FOR PROGRESSIVE (CAUSTIC) FLUSHER.	TED LEVINE DRUM CO	200376	3

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CAUSTIC SOLUTIONS	INCREASE THE LIFE OF THE CAUSTIC CLEANING SOLUTION AND REDUCE THE AMOUNT OF OIL.	SEPARATE PRE-FLUSHER FROM PROGRESSIVE FLUSHER CLEANING SOLUTIONS; EVALUATE HOT WATER CLEANING SYSTEM, OIL/WATER SEPARATOR AND THE INSTALLATION OF SEPARATE PREFLUSHERS.	TED LEVINE DRUM CO	200376	4
CAUSTIC SOLUTIONS	MINIMIZE THE GENERATION OF HAZARDOUS WASTES THAT ARE CREATED AS THE RESULT OF COMPANY PRACTICES AND EMPLOYEE ACTIVITIES.	IMPLEMENT CHEMICAL INVENTORY SYSTEMS; INSTITUTE EMPLOYEE TRAINING; IMPROVE HOUSEKEEPING; REEVALUATE COMPANY POLICIES.	TED LEVINE DRUM CO	200376	5
CAUSTIC SOLUTIONS	REDUCE THE QUANTITY OF WATER AND CHEMICALS USED FOR TREATMENT OF WASTE WATER.	RECYCLE WASH AND RINSE SOLUTIONS; RECYCLE SCRAP DRUMS.	TED LEVINE DRUM CO	200376	6
CAUSTIC SOLUTIONS	REDUCE THE QUANTITY OF WATER AND OIL MIXTURES GENERATED.	EVALUATE A LIQUID EVAPORATOR FOR ECONOMIC AND TECHNICAL FEASIBILITY.	TED LEVINE DRUM CO	200376	8
CAUSTIC SODA NEUTRALIZED	DIE CLEANING OPERATION:REDUCE THE AMOUNT OF SPENT CAUSTIC WASTE BY 5% IN 93 AND OVER 15% IN THE NEXT FIVE YEARS.	NEUTRALIZATION OF SPENT CAUSTIC SOLUTION INTO NON-HAZARDOUS WASTE WITH SULFURIC ACID	V.A.W. OF AMERICA, INC.	200478	1
CERIC AMMONIUM NITRATE	REDUCE THE AMOUNT OF WASTE PHOTORESIST AND CHEMICALS USED IN ETCHING AND CLEANING PROCESSES ASSOCIATED WITH THE NEGATIVE RESIST PROCESS.	REPLACE MECHANICAL PUMPS WITH MICROPROCESSOR CONTROLLED PRESSURE PUMPS TO CONTROL APPLICATION; SUBSTITUTE NEGATIVE WITH POSITIVE PHOTORESISTN PROCESS.	MOTOROLA SCG	200253	23
CERIC AMMONIUM NITRATE	REDUCE THE AMOUNT OF CERIC AMMONIUM NITRATE SOLUTION DISPOSED OF WHEN ETCHING PATTERNED METAL.	USE PREPACKAGED CERIC AMMONIUM NITRATE; REPLACE WITH A PRE-MIXED ETCH SOLUTION.	MOTOROLA SCG	200253	5
CFC FOAM	REDUCE CFC FOAM	SUBSTITUTE CFC FOAM WITH HCFC FOAM	BAJA PRODUCTS, LTD	200066	2
CFC FOAM PACKAGING	ESTABLISH A CARDBOARD RECYCLING PROGRAM. ELIMINATE CFC-CONTAINING FOAM-IN-PLACE MATERIALS	IDENTFIED RECYCLING VENDORS AND RECYCLE ALL CARDBOARD. REPLACED CFC WITH NON-CFC FOAM-IN-PLACE MATERIALS	MOTOROLA COMPUTER GROUP (DIABLO WAY)	200258	5
CFC 12	REDUCE THE USE OF CFC's (1,1,1 TCA, FREON 12) IN THE ALUMINUM FOUNDRY, INSPECTION AND MACHINING AREAS	1,1,1 TCA WAS REPLACED BY AQUEOUS CITRUS BASED CLEANERS. THE FREON 12 HAS BEEN REPLACED BY THE INERT GAS (N2) IN THE ALUMINUM FOUNDRY	STURM RUGER AND COMPANY, INC.	200362	1
CFC-113	ELIMINATE THE USE OF TRICHOLOROTROFLUROETHANE (CFC-113) AND 111 TRICHLOROETHANE USED FOR CLEANING.	SUBSTITUTE THE USE OF OTHER CHEMICALS INSTEAD OF USING FREON (CFC-113 TRICHLOROTRIFLURUETHANE). IN SOME CASES TERPENE, DI-WATER, ALCOHOLS (ISOPROPANOL, METHANOL, ETHANOL) WERE USED AS SUBSTITUTES FOR CFC 113. 1,2 DICHLOROETHANE CAN BE SUBSTITUTED FOR 111 TRICHLOROETHANE	MEDTRONIC, TEMPE	200240	1
CFC-12	RECYCLE CFC'S (FREON 113,22 AND 12) TO PREVENT CFC EMISSIONS DURING MAINTENANCE OF CHILLERS & AIR CONDITIONING UNITS.	RECYCLE AND REUSE CFC'S (FREON 113, 22 AND 12) BY PURCHASING AND USING RECYCLE EQUIPMENT.	BULL (HONEYWELL) INFO SYSTEMS INC.	200076	2
CFC-12	REDUCE SOLID WASTE GENERATION (AND PURCHASING COSTS FOR NEW EQUIPMENT).	RECONDITION AND REUSE DEMOLITION EQUIPMENT (AIR CONDITIONERS, WATER COOLERS, AND REFRIGERATORS) WHENEVER POSSIBLE.	PHELPS DODGE MIAMI INC.	200115	26
CFC-12	REDUCE ODC USAGE IN NON-PRODUCTION RELATED EQUIPMENT.	REPLACE 44 DRINKING WATER FOUNTAINS WITH NEW UNITS THAT UTILIZE NON-ODC REFRIGERANT. REPLACE 31 VFD UNITS WITH NEW UNITS WHICH DON'T REQUIRE REFRIGERATION.	RAYTHEON COMPANY USAF PLANT 44	200184	49
CFC-12	ELIMINATE ETO (CFC 12; ETHYLENE OXIDE) STERILIATION OF MEDICAL EQUIPMENT ON-SITE	REPLACE ETO METHOD WITH STEAM STERILIZATION PROCESS.	W. L. GORE & ASSOC.(4TH ST.)	200429	3
CHEESE SOILS	REDUCE THE AMOUNT OF CHEESE WASTE GOING INTO THE DRAIN	EMPLOYEE AWARENESS AND TRAINING, VENDOR AVAILABLE TO RECYCLE WASTE. INVESTIGATE FEASIBILITY OF REMOVING WASTE PRODUCT OFF SITE AND USE AS ANIMAL FEED	SCHREIBER FOODS, INC.	200529	10
CHELATES	REDUCE DUMP FREQUENCY ON BLACK OXIDE LINES.	DETERMINE THE FEASIBILITY OF IN-LINE FILTERS TO INCREASE BATH LIFE.	SANMINA - SCI	200669	12
CHEMFILM SOLUTIONS	REDUCE WASTE GENERATED IN THE CHEMICAL SOLUTIONS & ASSOCIATED RINSE WATER RESULTING FROM CHEMFILM OPERATIONS. (METAL SURFACE PREPARATION FOR PAINTING)	RECYCLE THE PROCESS SOLUTION WITHIN THE PROCESS TO PROLONG THE LIFE OF THE CHEMICAL SOLUTIONS AND RINSE WATERS. ACTION PLAN: PERFORM AN ENGINEERING FEASIBILITY STUDY & MATERIAL/PROCESS ANALYSIS TO CONVERT THE CHEMFILM OPERATION TO A CLOSED-LOOP SYSTEM WHICH WILL REDUCE THE AMOUNT OF WASTE GENERATED.	THE BOEING COMPANY	200238	23
CHEMICAL SLUDGES AND DIRT	ELIMINATE HAZARDOUS WASTE FROM SPENT FILTERS PURSUE REDUCTION IN USE OR REPLACEMENT OF SPENT CARTRIDGE FILTER WASTE FROM CHROMIUM TREAT BATH	TRY REUSABLE FILTERS OR GO TO A NEW CHROMIUM TREATMENT SYSTEM FOR BETTER BATH CHEMISTRY CONTROL TO EXTEND FILTER LIFE, TRY STAINLESS STEEL FILTERS PH MONITORING SYSTEM WILL BE INSTALLED	GOULD ELECTRONICS, INC.	200163	1
CHLORINATED SOLVENTS	REDUCE THE USE OF SAFETY KLEEN CHLORINATED SOLVENTS USED FOR CLEANING/DEGREASING FOR VEHICLE MAINTENANCE.	REPLACE CHLORINATED SOLVENTS WITH PETROLEUM BASED DEGREASER	AIR PRODUCTS AND CHEMICALS-CHANDLER	200018	2
CHLORINATED SOLVENTS	ELIMINATE THE USE OF CHLORINATED SOLVENTS USED IN MAINTENANCE AND PARTS CLEANING MACHINES.	REPLACE SOLVENTS WITH NON-CHLORINATED SOLVENT	APACHE NITROGEN PRODUCTS, INC.	200038	11

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CHLORINATED SOLVENTS	REPLACE CHLORINATED SOLVENTS SITE WIDE.	REPLACE CHLORINATED SOLVENTS. TRAIN MAINTENANCE TECHS TO REVIEW LABELS FOR CHLORINATED SOLVENTS PRIOR TO USE. PROHIBIT PURCHASE OF HALOGENATED SOLVENTS WITHOUT ENVIRONMENAL DEPT. APPROVAL.	PHELPS DODGE MIAMI INC.	200115	20
CHLORINE GAS	ELIMINATE THE USE OF CHLORINE GAS IN COOLING WATER.	CHLORINE GAS WILL BE REPLACED WITH TOWERBROM 960 IN UNIT 3 & 4.	APS CHOLLA POWER PLANT	200591	1
CHLORINE GAS	ELIMINATE THE USE OF CHLORINE GAS FOR BIOLOGICAL CONTROL OF COOLING WATER.	EVALUATE THE USE OF CALCIUM OR SODIUM HYPOCHLORITE FOR COOLING WATER BIOLOGICAL CONTROL TO REPLACE THE USE OF CHLORINE GAS.	APS GAS & OIL PLANTS -SAGUARO, OCOTILLO, YUCCA, WEST PHX	200041	8
CHLORINE	REDUCE CHLORINE WASTE STREAM; RECOVERY GOAL 5000 LBS/YR.	BY INVESTIGATING POSSIBLE PRODUCT RECOVERY ALTERNATIVES AND IMPLEMENTING THE OPTION WHICH MAXIMIZES EFFICIENCY AND MINIMIZES PRODUCT WASTE. NOTE: THIS ITEM IS A NEW SYSTEM AND DOES NOT HAVE A BASELINE QUANTITY TO START FROM.	BOC GASES	200020	14
CHLORINE	REDUCE THE USE OF CHLORINE GAS FOR DISINFECTION 1) INSTALL SYSTEM 10/31/1998 2) TEST SYSTEM 11/5/1998 3) FINALIZE 11/30/1998	IMPLEMENT ONSITE GENERATION SYSTEM (MIOX)	CHAPARRAL CITY WATER COMPANY	200626	2
CHLORINE	ELIMINATE CHLORINE LEAK EMISSIONS.	TRAIN OPERATIONS PERSONNEL IN THE BEST TECHNIQUES USED IN THE SAFE HANDLING AND STORAGE OF CHLORINE, THUS REDUCING THE RISK OF LEAK EMISSIONS.	CITY OF SCOTTSDALE	200663	1
CHLORINE (LIQUID)	8.2.18 #1: ELIMINATE ONSITE USAGE OF LIQUID CHLORINE IN THE DEVELOP, ETCH, STRIP PROCESS **GOAL DROPPED BECAUSE IT WAS TOO EXPENSIVE AND TOO LARGE FOR VIABILITY**	PROCESS MODIFICATION: REPLACE LIQUID CHLORINE SUPPLY WITH AN AIR REGENERATION SYSTEM. **GOAL DROPPED**	CONTINENTIAL CIRCUITS	200105	24
CHLORINE GAS	REDUCE THE USE OF CHLORINE USED AS A BIOCIDE IN ELEC. GENERATING PLANT'S WATER SYSTEMS	PERIODICALLY REVIEW FURTHER REDUCTION AND SUBSTITUTION POSSIBILITIES AS NEW INFORMATION AND/OR TECHNOLOGY BECOMES AVAILABLE	CORONADO GENERATING STATION	200351	1
CHLORINE GAS	REDUCE THE USE OF CHLORINE AS A BIOCIDE IN THE PLANTS WATER.	RESEARCH COST OF COVERING CANALS BY 12/2000 - RESEARCH MAINTENANCE AND LABOR COSTS OF COVERED CANALS BY 12/2001 - INSTALL CANAL COVERS BY 12/2005 IF INVESTMENT RETURN IS FEASIBLE. PERIODICALLY REVIEW REDUCTION POSSIBILITIES AS NEW INFORMATION AND TECHNOLOGY IS AVAILABLE.	CORONADO GENERATING STATION	200351	2
CHLORINE	REDUCE USAGE OF CHLORINE BY 25%.	CLOSELY MONITOR CHLORINE USAGE, PLANT EFFLUENT AND CHLORINE RESIDUAL AND REDUCE USAGE WHEN POSSIBLE	COTTONWOOD, CITY OF	200649	1
CHLORINE	ELIMINATE CHLORINE USE FOR EFFLUENT DISINFECTION	REPLACE CURRENT SYSTEM WITH ULTRA VIOLET LIGHT SYSTEM	COTTONWOOD, CITY OF	200649	3
CHLORINE (LIQUID)	RESEARCH ALTERNATIVE PRODUCTS OR METHODS TO POTENTIALLY REDUCE THE USE OF LIQUID CHLORINE.	INVESTIGATE USE OF ALTERNATIVE SUBSTANCES TO REPLACE LIQUID CHLORINE AS A COMPONENT OF THE WASH CYCLE. USE OF OZONE HAS MOST POTENTIAL. MUST MEET STANDARDS OF QUALITY AND EMPLOYEE SAFETY.	DOLE FRESH VEGETABLES	200636	2
CHLORINE GAS	REDUCE THE USE OF CHLORINE AT THE GOODYEAR WASTE WATER TREATMENT PLANT.	RESEARCH FEASIBLITY OF UV, OZONIZATION, OR ONSITE PRODUCTION OF CHLORINE. MAKE RECOMMENDATIONS TO ENGINEERING TEAM DESIGNING PHASE IV EXPANSION.	GOODYEAR, CITY OF	200645	1
CHLORINE GAS	REDUCE USE OF CHLORINE GAS AT CORGETT FACILITY.	RESEARCH FEASIBILITY OF REPLACING EXISTING METHOD OF DISINFECTION WITH UV, OZONIZATION, OR ONSITE PRODUCTION OF CHLORINE.	GOODYEAR, CITY OF	200645	2
CHLORINE GAS	REDUCE THE USE OF CHLORINE GAS AT THE GOODYEAR MUNICIPAL POOL.	INSTALL TABLET CHLORINATOR THAT WOULD USE 3" TABLETS INSTEAD OF CHLORINE GAS.	GOODYEAR, CITY OF	200645	4
CHLORINE GAS	REPLACE EXISTING GAS CHLORINATOR WITH PPG TABLET CHLORINATOR TO REDUCE USAGE OF CHLORINE GAS AT THE GOODYEAR MUNICIPAL WELL #11.	INSTALL A TABLET CHLORINATOR WHICH WOULD ELIMINATE THE NEED FOR CHLORINE GAS FOR DISINFECTION.	GOODYEAR, CITY OF	200645	5
CHLORINE	ELIMINATE USE OF CHLORINE CYLINDERS AT THE PLANT FOR THE DESTRUCTION OF CYANIDE RINSES	INSTALL BLEACH TANK AND TEST FEASIBILITY OF USING BLEACH, INSTALL FULL SCALE BLEACH SYSTEM	GOULD ELECTRONICS, INC.	200163	9
CHLORINE	REDUCE THE AMOUNT OF CHLORINE USED FROM RAIL CAR TO OLD SYSTEM.	IMPLEMENT A POWELL BLEACH MANUFACTURING SYSTEM TO HELP REDUCE THE VAPOR THE OLD SYSTEM BLEAD OFF FROM CHLORINE CYLINDERS. THIS NEW SYSTEM REDUCES THE OLD PROCESS BY 80%.	HILL BROTHERS CHEMICAL CO.-PHX.	200176	7
CHLORINE	REDUCE CHEMICAL USAGE BY 10%. INVESTIGATE THE FEASIBILITY OF: REPLACING HARD ROLLERS WITH SOFT ROLLERS TO REDUCE DRAGOUT; DECREASING HOIST WITHDRAWAL RATE & CHANGING THE RACK POSITION OF PANELS; MOUNTING SPRAYS ABOVE HEATED PROCESS BATHS TO REDUCE DRAGOUT ON PANEL LINES; REPLACING FEED & BLEED SETUPS WITH A BATH DUMP SYSTEM. TEST FEASIBLE ALTERNATIVES ON SMALL SCALE. IMPLEMENT BEST ALTERNATIVES.	REDUCE CHEMICAL USAGE OF CHEMICALS WITH HIGHEST USAGE OR TOXICITY BY REDUCING DRAGOUT OR REPLACING FEED AND BLEED WITH BATH/ DUMP SYSTEMS.	INNOVEX SOUTHWEST, INC.	200511	1

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CHLORINE	REDUCE GENERATION OF SPENT CUPRIC CHLORIDE BY 5%. INVESTIGATE THE FEASIBILITY OF USING COMMERCIALLY PROVEN METHODS INCLUDING SEARS, OXFORD, AND OTHERS, TO REGENERATE CUPRIC CHLORIDE. TEST ON SMALL SCALE IF FEASIBLE. INSTALL SYSTEM ON ETCHING LINES.	REDUCE GENERATION OF CUPRIC CHLORIDE USING ELECTROLYTIC OR OTHER MEANS.	INNOVEX SOUTHWEST, INC.	200511	2
CHLORINE GAS	ELIMINATE CHLORINE GAS IN COOLING TOWER FEEDS AND CYANIDE WASTE WATER TREATMENT	REPLACE WITH SODIUM HYPOCHLORITE	MOTOROLA SCG	200253	19
CHLORINE	ELIMINATE THE USE OF CHLORINE IN THE DISINFECTION PROCESS	REPLACE CHLORINE WITH ULTRA VIOLET DISINFECTION SYSTEM	PEORIA, CITY OF	200623	1
CHLORINE	REDUCE CHLORINE USAGE BY 40% AND CHLORINE WASTE SLUDGE BY 20%.	INSTALL REVERSE OSMOSIS SYSTEM. USE BLEND OF WATER FROM R.O. AND LIME SUPER-CHLORINATION.	PEPSI BOTTLING GROUP	200499	1
CHLORINE GAS	COMMUNITY SERVICE- WASTE WATER TREATMENT PLANT: REDUCE CHLORINE CONSUMPTION	INSTALL AUTOMATIC CHLORINE GAS FEEDER	PHELPS DODGE BAGDAD, INC.	200114	3
CHLORINE GAS	ELIMINATE THE USE OF EHS CHLORINE GAS IN THE WATER TREATMENT SYSTEM	REPLACED CHLORINE PURIFICATION SYSTEM WITH REVERSE OSMOSIS SYSTEM WHICH ELIMINATED THE USE OF CHLORINE. USE 12% HOUSEHOLD BLEACH.	SCHEIN PHARMACEUTICAL INC.	200360	1
CHLORINE	REDUCE OR ELIMINATE THE USE OF CHLORINE IN DISINFECTION SYSTEM	INSTALL AN ALTERNATIVE DISINFECTION SYSTEM	TOLLESON, CITY OF WASTE TREAT. PLANT	200622	1
CHLORINE	REDUCE HAZARDOUS WATER SOLUBLE CUTTING FLUIDS (WHICH CONTAIN CHLORINE) USED IN CENTERLESS GRINDERS, LATHES, MILLING MACHINES.	RECYCLE WATER SOLUBLE CUTTING FLUIDS CONTAINING CHLORINE, AND EVAPORATE THOSE THAT CAN NO LONGER BE RECYCLED.	TRIUMPH CORPORATION	200394	2
CHLORINE	REDUCE OR ELIMINATE CHLORINE BYPRODUCTS GENERATED.	DEVELOP A REPORT COMPILING PAST RESEARCH ON THE USE OF CHLORINE IN THE DISINFECTION OF SERVICE WATER, INCLUDING METHODS TO REDUCE OR ELIMINATE CHLORINE BYPRODUCTS GENERATED, THE COST EFFECTIVENESS OF ALTERNATIVES TO REDUCING OR ELIMINATING CHLORINE USE AND BYPRODUCTS GENERATED.	U.S. DOI YUMA DESALTING PLANT	200562	11
CHLORINE GAS	PREVENT ACCIDENTAL RELEASE OF TOXIC ORGANIC COMPOUNDS AT THE LOCAL MUNICIPAL WATER TREATMENT PLANT AND SWIMMING POOLS.	REPLACE 150 LB CYLINDERS WITH A LESS TOXIC HYPOCHLORIDE SOLUTION. REPLACE CHLORINE GAS 150 LB CYLINDERS WITH LESS TOXIC 3" CHLORINE TABLETS.	U.S. MARINE CORPS - YUMA AIR STATION	200407	12
CHLORINE GAS	ELIMINATE THE USE OF CHLORINE GAS TON CYLINDERS AT THE WATER TREATMENT PLANT	REPLACE WITH LESS TOXIC SUBSTITUTE	U.S. MARINE CORPS - YUMA AIR STATION	200407	15
CHLORINE	DEGASSING OPERATION: REDUCE BY 20% THE AMOUNT OF CHLORINE USED IN 622 DEGASSING OPERATION.	TEST DIFFERENT DEGASSING AGENTS TO ELIMINATE CHLORINE USAGE & CONDUCT RESEARCH ON USAGE FACTORS. TREAT THE CHLORINE EMISSIONS TO CREATE A LESS TOXIC BY-PRODUCT.	V.A.W. OF AMERICA, INC.	200478	3
CHLORODIFLUORO-METHANE	ELIMINATE USE OF CHLORODIFLUOROMETHANE IN FOAM.	IMPLEMENT ALTERNATIVE PRODUCTS WHICH DO NOT CONTAIN CHLORODIFLUOROMETHANE.	SEA RAY BOATS, INC.	200334	25
CHLORODIFLUOROMET HANE	ELIMINATE THE USE OF FREON BY SUBSTITUTING FREON WITH AN ALTERNATIVE REFRIGERANT.	CONTINUE RESEARCH & DEVELOPMENT ON HVAC EQUIPMENT TO ACCOMODATE ALTERNATE REFRIGERANT FOR HCFC-22. CONTINUE TO WORK WITH SUPPLIERS & VENDORS TO DEVELOP COMPONENTS THAT RELIABLY PERFORM TO HVAC STANDARDS	GOETTL AIR CONDITIONING, INC.	200161	1
CHLORODIFLUOROMET HANE	REDUCE TOTAL ODC USE BY 25%	CONTACT MANUFACTURERS OF CURRENT ODC PRODUCTS USED IN THE LAB AND INVESTIGATE PRODUCT SUBSTITUTIONS. WORK WITH LAB MAINTENACE AND EQUIPMENT MANUFACTURERS TO DETERMINE FEASABILITY OF RETROFITTING TEST CHAMBERS WITH SUBSTITUTE NON-CLASS I ODC REFRIGERENTS.	IBM CORPORATION	200194	13
CHROMATE SPENT BATH	REDUCE CHROMATE USAGE-REDUCE CHROMATE WASTE (HEXAVALENT CHROM-IUM) THROUGH MORE EFFICIENT CHROMATE PROCESS.	EXTEND BATH: DEVELOPED OWN BATH ADDITIVE WHICH EXTENDS BATH BY FACTOR OF 8; DEVELOPED CHROMATE REACTION CELL WHICH REDUCED USAGE BY 1.5	ALLIED TUBE AND CONDUIT	200032	7
CHROME PLATING BATH	REDUCE SLUDGE BUILDUP & EXTEND ELECTROPLATING BATH LIFE (NICKEL, CHROME ZINC, COPPER). ZINC AND COPPER ARE CYANIDE BASED.	INSTALLED A DEIONIZED WATER SYSTEM FOR BATH MAKE-UP ON THE CHROME LINE IN 1992 TO REDUCE SLUDGE BUILD UP; INSTALL DI WATER ON NICKEL PLATING BATHS ALSO.	AZ PLATING & ANODIZING CO	200062	1
CHROME	ELIMINATE THE USE OF CHEMICALS THAT CAN BE REPLACED WITH EXISTING PRODUCTS, OR CAN BE ELIMINATED COMPLETELY.	SHIP OFF-SITE UN-NEEDED OR UNTREATABLE CHEMICALS, USE UP REMAINDER OF CHEMICALS IN STOCK AND DO NOT RE-ORDER CHEMICALS. TREAT REMAINDER ON SITE.	CHEM RESEARCH CO	200085	17
CHROME	REDUCE CHROME CONTAMINATED WASTE STREAM WITH PANEL CLEANING OPERATION.	CHANGE FROM CHROMIC ACID TO ANOTHER CHEMICAL (FERRIC SULFATE) FOR CLEANING OF PANELS REPLACED WITH PHOSPHORIC ACID	HEXCEL CORPORATION	200464	14
CHROME	PRODUCTION PAINT OPS-REDUCE VOC'S BY 25% BY 12/31/95: REDUCE VOC'S ON APPLICABLE PRODUCT LINES BY 7/95.	IMPLEMENT ALTERNATIVE COATING TECHNOLOGIES ON AT LEAST 40% OF THE PRODUCTS **GOAL DROPPED**	HONEYWELL ENGINES AND SYSTEMS	200149	14

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CHROME	ELECTROPLATING TECH.- REDUCE CHROME & LEAD MASKING TAPE WASTES BY 25% IN 1994 AND 25% IN 1995: REDUCE CONTAMINATED MASKING TAPE IN THE PLATING OF SMILE AREA OF VALVES (50%) AND BEARING MOUNTS (5%).	ELIMINATE LEAD TAPE AND WAX FOR MASKING AND REPLACE WITH REUSABLE MASKING DEVICES (CVC PLASTIC).	HONEYWELL ENGINES AND SYSTEMS	200149	17
CHROME	REDUCE THE AMOUNT OF BLACK DYE USED & RECYCLE RINSE WATER.	INSTALL DEDICATED R.O. FILTRATION SYSTEM ON THE ANODIZE/CHEM FILM PROCESS LINE	METCO METAL FINISHING - PHOENIX	200451	11
CHROME	REDUCE METAL IN PLATING TANKS TO DECREASE METALS IN WASTE STREAM	EVALUATE WITH VENDORS AND MAKE ADJUSTMENTS AFTER FEASIBILITY STUDY IS COMPLETED (ION EXCHANGE)	METCO METAL FINISHING - PHOENIX	200451	9
CHROME	REDUCE THE AMOUNT OF WATER/CHROMIC ACID USED AND CHROME DRAG-OUT WATER	ADD AN ADDITIONAL RINSE TANK AND DEIONIZED SYSTEM	PETE'S CUSTOM POLISHING & PLATING	200528	2
CHROME	PREVENT CEMENT IN CONTAINMENT PITS FROM BEING EATEN AWAY BY CORROSIVE CHEMICALS	REPLACE SINGLE CONTAINMENT PITS WITH DOUBLE CONTAINMENT	PETE'S CUSTOM POLISHING & PLATING	200528	3
CHROME	REDUCE CHROMATE USES: ELIMINATE CHROME USED IN CHROMATE CONVERSION COAT AND DEOXIDATION BATHS FOR PROCESSING ALUMINUM	USING THE NON-CHROMATE DEOXIDIZERS AND CONVERSION COAT EVALUATIONS, OBTAIN APPROVAL TO IMPLEMENT USING THE "PROCAS" PROCESS (IDENTIFY ALTERNATIVES, DO COST BENEFIT, DECIDE ON BEST ALTERNATIVE). ORIGINAL METHOD (NON-CHROME ALTERNATIVE PROCESS) WAS CANCELLED. THE REMAINING MISSILE PROGRAM COMPONENTS TO BE FINISHED IN TUCSON WILL SWITCH TO A "BOILING WATER PROCESS" UTILIZING AN INDUSTRY AVAILABLE NON-CHROME DEOXIDIZER.	RAYTHEON COMPANY USAF PLANT 44	200184	41
CHROME	(#TD1)- REDUCE AMOUNT OF CHROME CONTAMINATED WASTE WATER GENERATED FROM TESTING STAINLESS STEEL INFLATORS WITH ACID AND THEN RINSING THEM IN WATER IN INFLATOR WELD TESTING AREA.	INSTALL A RINSE WATER CATCH BASIN IN THE PROCESS RINSE SINK TO REUSE THE RINSE WATER FOR MULTIPLE PARTS.	TALLEY DEFENSE SYSTEMS - PLT 4	200370	29
CHROME	(#TD1)- REDUCE THE AMOUNT OF CHROME CONTAMINATED WASTE WATER GENERATED IN INFLATOR WELD TESTING AREA.	CHEMICALLY CHANGE THE RINSE WATER SO CHROME CAN BE FILTERED OUT OF RINSE WATER. ACTION A: DETERMINE OPTIMAL PH BY 12/2000. ACTION B: DEVELOP PROCEDURES FOR PREPARING, TESTING AND FILTERING RINSE WATER BY 6/2001. ACTION C: PURCHASE & INSTALL IN-LINE FILTERING SYSTEM BY 12/2001. ACTION D: IMPLEMENT PROCEDURE & TEST WASTE WATERS TO DETERMIE IF CHROME HAS BEEN REMOVED BELOW HAZARDOUS LEVELS BY 6/2002.	TALLEY DEFENSE SYSTEMS - PLT 4	200370	30
CHROMIC ACID COMPOUNDS	REDUCE CREOSOTE AND CCA USAGE BY MAINTAINING CALIBRATION OF GAUGES FOR STORAGE TANKS MINIMIZING BATCH IMPREGNATION.	DEVELOP A MONTHLY CHECK PROCESS TO ENSURE CALIBRATIONS FOR ACCURATE READINGS OF TREATMENT, ELIMINATING OVER USAGE OF CHEMICAL	ARIZONA PACIFIC WOOD PRESERVING, INC.	200488	10
CHROMIC ACID COMPOUNDS	ELIMINATE CREOSOTE AND CCA CONTAMINATION BY COATING AND SEALING DRIP PADS.	COAT AND SEAL DRIP PADS WITH APPROVED SEALANTS ELIMINATING SUB-SURFACE CONTAMINATION. ELIMINATING CLEANUP OF WASTE.	ARIZONA PACIFIC WOOD PRESERVING, INC.	200488	11
CHROMIC ACID COMPOUNDS	REDUCE CREOSOTE AND CAA WASTES BY MAINTAINING BERM AROUND DRIP PADS MINIMIZING ANY ADDITIONAL RUN-ON OR RUN-OFF.	INSTITUTE GOOD HOUSEKEEPING MEASURES. DEVELOP A PROCESS TO CHECK WEEKLY FOR ANY FAILURES OR STRUCTURAL CONDITIONS OF BERM	ARIZONA PACIFIC WOOD PRESERVING, INC.	200488	12
CHROMIC ACID COMPOUNDS	REDUCE CREOSOTE AND CAA WASTES BY MAINTAINING DRIP PAD OPERATIONS PROGRAM	INSTITUTE GOOD HOUSEKEEPING MEASURES. IMPROVE EMPLOYEE TRAINING ON DRIP PAD OPERATING PROCEDURES.	ARIZONA PACIFIC WOOD PRESERVING, INC.	200488	13
CHROMIC ACID COMPOUNDS	REDUCE CREOSOTE AND CAA WASTES BY DESIGNATING A FORKLIFT TO THE DRIP PAD AREAS.	DESIGNATE A FORKLIFT SPECIFICALLY FOR DRIP PAD AREA ONLY. ELIMINATING DIRT AND DEBRIS CONTAMINATION ON AND OFF DRIP PADS.	ARIZONA PACIFIC WOOD PRESERVING, INC.	200488	14
CHROMIC ACID	REDUCE CHEMICAL USAGE BY EXPLORING NEW TREATING PROCEDURES WHILE MAINTAINING REQUIRED RETENTIONS DURING TREATING. ACTION PLAN: RESEARCH TREATING PROCEDURES, TEST TREATING PROCEDURES AND IMPLEMENT BEST ALTERNATIVE	REVISE TREATING PROCEDURES TO REFINE TREATING TO ACCURATE RETENTIONS.	ARIZONA PACIFIC WOOD PRESERVING, INC.	200488	6
CHROMIC ACID COMPOUNDS	ELIMINATE LEAKS AND SPILLS OF CREOSOTE AND CCA BY RE-INSTITUTING MAINTENACE PROGRAMS OF VALVES AND JOINTS	INSTITUTE GOOD HOUSEKEEPING MEASURES. DEVELOP A PROCESS TO CHECK WEEKLY TO ENSURE VALVES AND JOINTS ARE IN GOOD WORKING ORDER.	ARIZONA PACIFIC WOOD PRESERVING, INC.	200488	7
CHROMIC ACID	ELIMINATE CCA WOOD TREAT (COPPER CHROMATED ARSENATE) WASTE BY SUBSTITUTING WITH A NON-TOXIC PRESERVATIVE.	REPLACE TREATING SOLUTIONS WITH ALTERNATIVE NON-HAZARDOUS SOLUTIONS.	ARIZONA PACIFIC WOOD PRESERVING, INC.	200488	8
CHROMIC ACID COMPOUNDS	REDUCE CREOSOTE AND CCA WOOD TREAT USAGE BY RETURNING UPSPENT SOLUTIONS TO WORK TANKS.	REVISE TREATING PROCEDURES TO REFINE TREATING TO ACCURATE RETENTIONS.	ARIZONA PACIFIC WOOD PRESERVING, INC.	200488	9
CHROMIC ACID	REDUCE THE AMOUNT OF HEXAVALENT CHROMIUM USED IN PLATING BATH BY SUBSTITUTING TRIVALENT CHROMIUM FOR THE CURRENT HEXAVALENT CHROMIUM PLATING BATH. RESEARCH EFFECT OF SUBSTITUTION ON FINAL PRODUCT BY 3/01; LOCATE VENDORS FOR NEW PRODUCT BY 6/01; IMPLEMENT FINAL SUBSTITUTION BY 2/02.	USE LESS TOXIC TRIVALENT CHROMIUM IN PLACE OF HEXAVALENT CHROMIUM IN PLATING BATH.	AZ PLATING & ANODIZING CO	200062	20

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
CHROMIC ACID	REDUCE DRAG-OUT FROM ONE PLATING TANK TO ANOTHER. **DROPPED**.	IDENTIFY AND DETERMINE SOURCES OF NEW OR MODIFIED PLATING RACK SYSTEMS.	AZ PLATING & ANODIZING CO	200062	3
CHROMIC ACID	REPLACE CHROMIC ACID WITH SULFURIC ACID IN ALUMINUM ANODIZING PROCESS.	REPLACE THE CHROMIC ACID WITH NON-AIR TOXIC MATERIAL SUCH AS SULFURIC ACID.	HONEYWELL ENGINES AND SYSTEMS	200149	22
CHROMIC ACID	REPLACE CHROMIC ACID IN THE ALUMINUM ANODIZING PROCESS.	REPLACE WITH SULFURIC ACID IN THE ANODIZING PROCESS.	HONEYWELL ENGINES (FORMERLY ALLIEDSIGNAL ENGINES)	200144	7
CHROMIC ACID	8.O.A: REDUCE THE AMOUNT OF CHROMIUM WASTE THAT IS SENT OFFSITE FOR DISPOSAL OR RECYCLING.	STUDY REPLACEMENT BY AN ELECTROLESS NICKEL PLATE.	MCCULLOCH CORP (LAKE HAVASU)	200234	1
CHROMIC ACID	ELIMINATE CHROMIUM HYDROXIDE HAZARDOUS WASTE. GOALS 7 & 8 ARE THE SAME BUT USE DIFFERENT METHODS	USE ION EXCHANGE TO REPLACE CURRENT CHROME REDUCTION FLOCCULATION AND PRECIPITAION PROCESS.	MI HOME PRODUCTS INC.	200072	7
CHROMIC ACID	ELIMINATE CHROMIUM HYDROXIDE HAZARDOUS WASTE. GOALS 7 & 8 ARE THE SAME BUT USE DIFFERENT METHODS	USE CHROME FREE PRETREATMENT SOLUTION.	MI HOME PRODUCTS INC.	200072	8
CHROMIC ACID SOLUTION	REDUCE HAZARDOUS WASTE VOLUME ASSOCIATED WITH CHROMATE CONVERSION BY 50%	INSTALL COUNTERFLOW RINSES; INSTALL SEPARATE SPRAY RINSE; INSTALL HYDROXIDE PRECIPITATION AND DE-WATERING SYSTEM	PRECISION PLATING, INC.	200531	2
CHROMIC ACID	REDUCE CHROME PLATING BATH WASTE	INSTALL SELECTIVE ION EXCHANGE TO REMOVE CATIONIC IMPURITIES IN CHROME PLATING BATH	R.R.DONNELLEY PRINTING COMPANY	200307	2
CHROMIC ACID	ELIMINATE USE OF CHROMIC ACID TRAY CLEANER	SUBSTITUTE CHROMIC ACID CLEANER WITH A NON-HAZARDOUS CLEANER - DOW SCRUBBING BUBBLES	TALLEY DEFENSE SYSTEMS - PLT 4	200370	6
CHROMIC ACID	REDUCE ANNUAL CHROMIC ACID USAGE BY 30% BY 12/31/93 AND 40% BY 12/31/94 BASED ON A 1990 ADJUSTED BASELINE	INSTALLED NE SHAFT CHROME PLATING EQUIPMENT WHICH FEATURES A COVER TO STOP VAPOR EMISSIONS; EMPHASIZED PROPER PROCEDURES TO OPERATORS TO REDUCE DRAGOUT	TREFFERS PRECISION, INC.	200391	2
CHROMIC ACID	REDUCE ANNUAL CHROMIC ACID USAGE BY 51% BY 12/31/95 AND 56% BY 12/31/96	1) REDUCE CHROME CONCENTRATION IN PRODUCTION TANKS 2) REUSE RINSE WATERS FOR EVAPORATIVE LOSS ADDS, 3) REUSE CHROMIC ACID CAPTURED BY AIR SCRUBBER	TREFFERS PRECISION, INC.	200391	3
CHROMIUM PLATING WASTE	IDENTIFY AND INVESTIGATE ALTERNATIVE TECHNOLOGIES TO IMPROVE THE EFFICIENCY CAPACITY AND EFFECTIVENESS OF THE CURRENT FLOTATION, SEPARATION AND DEHYDRATION UNITS.	INVESTIGATE ALTERNATIVES: ION EXCHANGE; REVERSE OSMOSIS; OZONATION; EVAPORATION; ELECTRODIALYSIS; PRECIPITATION, ETC; INSTALLED A PRECIPITATION/ ULTRAFILTRATION SYSTEM AND A SAMSCO DEHYDRATOR; RESEARCHING ZERO-DISCHARGE SYSTEM IN NEW PLATING SHOP.	ABRAMS AIRBORNE MFG	200003	6
CHROMIUM (HEXAVALENT)	REDUCE OR ELIMINATE THE USE OF HEXAVALENT CHROMIUM USAGE IN THE CLEAN AND ETCH SPRAY PROCESS.	WORK WITH VENDOR TO FIND A SUITABLE SUBSTITUTE PRODUCT FOR THE CHROMIC ACID FLAKE MATERIAL USED IN THE FINAL STEP OF THE CLEANING AND ETCHING SPRAY PROCESS.	ADOBEAIR, INC.	200008	6
CHROMIUM	REDUCE WASTE FROM CHROME CONVERSION PROCESS.	A. EVALUATE SOURCES TO RECYCLE THE WASTE FILTER CAKE OR TO SELL IT -1/98. B. INVESTIGATE CHANGING THE PROCESS TO USE A NON-CHROMATE SURFACE PASSIVATION/ PRIMER -7/99. C.INVESTIGATE IMPROVING BATH LIFE THROUGH FILTRATION, REVERSE OSMOSIS AND ION EXCHANGE - 7/99.	ALLIED TUBE AND CONDUIT	200032	12
CHROMIUM TRI-HYDROXIDE	REDUCE CHROMATE WASTE VOLUME THROUGH CHROMATE WASTE PROCESSING.	TREAT CHROMATE BATH BY PRECIPITATION, FILTRATION AND EVAPORATION THEN SHIP FILTER CAKE OFFSITE FOR CHROMIUM METAL RECLAIM	ALLIED TUBE AND CONDUIT	200032	6
CHROMIUM WASTE	REDUCE THE AMOUNT OF CHROMATE PROCESS RINSE WATER USED AND EXTEND RINSE WATER LIFE ** GOAL DROPPED**.	RESEARCH USE OF ION EXCHANGE, OR FILTRATION THROUGH BENCH SCALE TESTS ** GOAL DROPPED**	ALLIED TUBE AND CONDUIT	200032	8
CHROMIUM	REDUCE POLLUTANTS (LEAD, CHROMIUM, CADMIUM, COPPER, NICKEL, ZINC, SILVER) RELEASED TO POTW THROUGH RINSE WATER.	ESTABLISH WRITTEN RINSING SEQUENCES (PROCEDURES) FOR THE STEEL AND ALUMINUM PLATING LINES.	AZ PLATING & ANODIZING CO	200062	2
CHROMIUM PLATING WASTE	REDUCE USAGE OF T2 IN TAPE CASTING AREA BY 3000 POUNDS	CHANGE GRINDING MEDIA, ADD HUMIDITY CONTROL INSIDE FURNACE, BETTER KILN "FURNITURE"; BETTER PROCESS CONTROL; EVALUATE DESIGN OF TWO OR THREE COMPONENT SOLVENT MATRIX.	BRUSH CERAMIC PRODUCTS	200075	1
CHROMIUM	ELIMINATE THE DUMPING OF THE CHROMIC ANODIZE BATH TO THE WASTE WATER TREATMENT SYSTEM, AND REUSE THE CHROME.	TRANSFER THE CONTAMINATED CHROMIC ANODIZE SOLUTION TO THE CHROME PURIFICATION UNIT AND ADD THE CLEANED SOLUTION TO THE CHROME PLATING TANKS.	CHEM RESEARCH CO	200085	15
CHROMIUM COMPOUNDS	REDUCE THE AMOUNT OF CHROMIUM COMPOUNDS DISCHARGED TO THE WASTE WATER TREATMENT SYSTEM.	BY REDESIGNING HOW THE MTD CHROME PLATING PROCESS IS DONE IN ORDER TO IMPROVE YIELDS AND REDUCE REWORK, SUBSEQUENTLY REDUCING THE FREQUENCY OF CHROME BATH TREATMENTS FOR IMPURITIES.	CHEM RESEARCH CO	200085	23

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CHROMIUM	REDUCE THE AMOUNT OF F006 CHROMIUM SLUDGE AND/OR D007 WASTE GENERATED FROM THE CHEMFILM TANK IN THE ANODIZE DEPT.	BY INSTALLING A FILTRATION UNIT AND ADDING A DESCALING ADDITIVE.	CHEM RESEARCH CO	200085	5
CHROMIUM	ELIMINATE THE USE OF CHROMIUM BASED DEOXIDIZER GENERATING F006 SLUDGE FROM THE ANODIZE DEPT.	BY REPLACING THE CHROMIUM DEOXIDIZER WITH A NON-CHROMIUM BASED DEOXIDIZER (SUPPLY SOURCE UNKNOWN).	CHEM RESEARCH CO	200085	6
CHROMIUM	REDUCE AIR EMISSIONS IN THE COATING COMPOUND AREA	INSTALL A DUST COLLECTOR WITH A 99.99% EFFICIENCY TO REPLACE WATERFALL SCRUBBERS	CHROMIZING ARIZONA	200095	11
CHROMIUM	REMOVE METAL CONTAINING FUMES FROM EXHAUST (IE. NICKEL, COBALT, AND CHROMIUM) EMISSIONS.	PURCHASE AND INSTALL POLLUTION CONTROL EQUIPMENT (IE. ELECTROSTATIC PRECIPITATOR).	CHROMIZING ARIZONA	200095	2
CHROMIUM	REDUCE CODEP, CHR2 AND SILICON MODIFIED COATING POWDER SPILLAGE BY 90%.	REDESIGN HOPPER LIDS FOR TRANSFER OF MATERIAL FROM V-BLENDER AND SIFTER.	CHROMIZING ARIZONA	200095	22
CHROMIUM	REDUCE SILICON MODIFIED AND CHR2 COATING POWDERS LANDFILLED AS HAZARDOUS WASTE BY 50%.	EVALUATE RECYCLING ALTERNATIVES FOR CHROMIUM IN CHR2 AND SILICON MODIFIED COATING POWDERS AND IMPLEMENT WHEN FEASIBLE.	CHROMIZING ARIZONA	200095	23
CHROMIUM RINSE WATER	REDUCE THE AMOUNT OF NEW WATER FOR RINSING IN THE CHROMATE CONVERSION LINE. RINSE WATER COMES FROM 4 SINGLE RINSE TANKS ON A CHROMATE CONVERSION COATING LINE . THESE RINSES CONTAIN ACIDS, CLEANERS & CHROMIUM. THEY ARE DIRECTED TO THE TREATMENT SYSTEM FOR METAL REMOVAL & pH ADJUSTMENT PRIOR TO DISCHARGE TO THE POTW.	1. COLLECT DATA ON CONSTITUENTS; 2. RESEARCH EQUIPMENT TO FILTER THE RINSES; 3. SET UP STORAGE TANK TO STORE PRETREATED WATER TO BE REUSED IN CHROMATE CONVERSION LINE; 4. USE FLOW RESTRICTORS ON LINE TO PRODUCE LESS WATER.	CORNING GILBERT INC.-GLENDALE	200157	3
CHROMIUM	ACID/CAUSTIC CLEANING: REDUCE THE VOLUME OF SPENT RINSE WATER GENERATED.	BEGAN USING BIODEGRADABLE BUFFERS IN THE WATER RINSE BATHS FOR ACID CLEANING OPERATIONS TO STABILIZE THE PH AND REDUCE WATER USE.	DOLPHIN, INCORPORATED	200125	1
CHROMIUM	ACID/CAUSTIC CLEANING: REDUCE THE TOXICITY OF THE SPENT RINSE WATER GENERATED BY ACID AND CAUSTIC CLEANING.	INSTALLED A UNIPURE WASTEWATER TREATMENT UNIT TO REDUCE TOXICITY THROUGH ELEMENTARY NEUTRALIZATION AND METALS PRECIPITATION	DOLPHIN, INCORPORATED	200125	2
CHROMIUM	REDUCE THE VOLUME OF RESIDUAL SAND SLUDGE PRODUCED IN THE ACID CLEANING PROCESS BY 33% ** GOAL DROPPED ** (SEE #11).	REPLACE THE HYDROFLUORIC ACID RINSE WITH SULFURIC ACID WHICH PRODUCES NO SAND SLUDGE.	DOLPHIN, INCORPORATED	200125	6
CHROMIUM	REDUCE SHIPMENT OF HAZARDOUS WASTE BY AT LEAST 50%.	CONDUCT LABORATORY ANALYSIS OF WASTE STREAMS TO AVOID UNNECESSARY CATEGORIZATION OF WASTE AS HAZARDOUS. RECYCLE SOME OF THE WASTES INSTEAD.	GOODRICH TURBOMACHINERY PRODUCTS	200434	10
CHROMIUM	RECOVER THE NICKEL AND CHROMIUM FROM METAL GRINDING SLUDGE AND THUS REDUCE THE WASTE STREAM.	FIND A METAL RECYCLER INTERESTED IN THIS WASTE STREAM	GOODRICH TURBOMACHINERY PRODUCTS	200434	5
CHROMIUM SLUDGE	REDUCE THE AMOUNT OF CHROME FILTERS (SENT OFFSITE FOR INCINERATION) BY 30%.TREATMENT LINES WHERE ADDITIONAL PLATING IS DONE TO COPPER FOIL, USES CHROMIUM AS A COMPONENT AND FILTERS BECOME PLUGGED WITH PRECIPITATED CHEMICALS.	IT IS FELT THAT THE WAY THE MAINTENANCE CHEMICALS ARE ADDED TO THE BATH EFFECTS FILTER LIFE AS WELL AS THE CHEMISTRY OF THE BATH ITSELF: (1) MODIFY CHEMISTRY TO REDUCE PRECIPITATION AND IMPROVE OXIDATION PROTECTION, (2) REPLACE CARTRIDGE FILTERS WITH SOCK FILTERS ON TREATLINES, (3) IMPROVE PH CONTROL OF THE BATH.	GOULD ELECTRONICS, INC.	200163	22
CHROMIUM	REDUCE CHROMIUM EMISSIONS FROM THE HARD CHROME PLATING PROCESS TO MEET NEW EMISSION STANDARDS	RESEARCH SCRUBBERS, PURCHASE AND INSTALL SCRUBBER, PERFORMANCE TEST SCRUBBER UNIT	GOULD ELECTRONICS, INC.	200163	8
CHROMIUM	ELIMINATE POTENTIAL FOR TOXIC SUBSTANCES IN STORMWATER DISCHARGES TO ENTER THE ENVIRONMENT THROUGH DRY WELL LOCATED IN THE LOADING DOCK BY 6/1998.	ELIMINATE DRY WELL (BMP FOR STORMWATER DISCHARGE)	HERAEUS INC.--MATERIALS TECH. DIVISION	200171	2
CHROMIUM	REDUCE AMOUNT OF CHROMIUM, COPPER AND COBALT DISCHARGE TO SANITARY SEWER BY 25% BY DECEMBER 1999.	EVALUATE ALTERNATIVES FOR HANDLING QUENCHING WATER.	HERAEUS INC.--MATERIALS TECH. DIVISION	200171	3
CHROMIUM	REDUCE THE AMOUNTS OF CR, CU AND CO METALS DISCHARGED TO THE SANITARY SEWER.	INSTALL FILTER SYSTEM AND CLOSED LOOP RECYCLING FOR WATER JET CUTTING AREA	HERAEUS INC.--MATERIALS TECH. DIVISION	200171	7
CHROMIUM	REASSESS WASTE WATER TREATMENT MANAGEMENT OPTIONS TO CONSIDER ZERO DISCHARGE.	1. BATCH CHEMICAL TREATMENT IN HOLDING TANKS TO REDUCE TOXICITY OF METAL SLUDGE 2. AN ALTERNATIVE CHEMICAL PRECIPITATION IN THE CHROME ALODINE PROCESS TO REDUCE CHROME USE 3. RESEARCH CLOSED LOOP RECYCLING AND ALTERNATIVE TECHNOLOGIES HAVE BEEN ELIMINATED AS P2 ALTERNATIVES.	HONEYWELL - 19TH AVE PHOENIX	200181	15
CHROMIUM	REDUCE THE AMOUNT OF COATING WHICH CONTAINS CHROMIUM. THE COATING IS USED TO PREVENT CORROSION.	COMPLETE LITERATURE SEARCH FOR NON-CHROMATE CONVERSION. DEVELOP A NON-CHROMATE CONVERSION PROCESS. ** GOAL DROPPED **	HONEYWELL AEROSPACE SERVICES	200024	3
CHROMIUM DIOXIDE	REDUCE THE NUMBER OF INK CONTAMINATED FILTERS.	REDUCE THE NUMBER OF FILTER COAT STATIONS IN THE MIXROOM; FEASIBILITY RUNS; QUALIFICATION RUNS AND; INSTALLATION.	IMATION CORPORATION	200001	7
CHROMIUM DIOXIDE	REDUCE THE VOLUME OF MOP WATER EVAPORATION INCLUDED IN THIS WASTE STREAM.	EVAPORATE WATER FROM WASTE STREAM: 1. APPROVE STEAM SYSTEM DESIGN, 2. CONSTRUCT STEAM SYSTEM, 3. DOCUMENT PROCEDURES AND EVALUATE SYSTEM.	IMATION CORPORATION	200001	8

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CHROMIUM RAGS/GLOVES/ETC	IMPROVE SEGREGATION PRACTICES FOR CONTAMINATED (eg. ARSENIC, CHROMIUM) DEBRIS (CLEANING RAGS, GLOVES, ETC.) VS NONCONTAMINATED TO REDUCE WASTE VOLUME	COMPLETE PROCESS EVALUATION DEVELOP NEW HANDLING PROCEDURES IDENTIFY NEW EQUIPMENT NEEDS	INTEL CORP.- CHANDLER CAMPUS	200191	11
CHROMIUM	ELIMINATE THE USE OF PAINT THAT CONTAINS CHROMIUM.	TEST OTHER CHROMIUM FREE PAINTS.	JOHNS MANVILLE INTERNATIONAL INC.	200227	19
CHROMIUM	8.O.A: REDUCE THE AMOUNT OF CHROMIUM WASTE THAT IS SENT OFFSITE FOR DISPOSAL OR RECYCLING.	STUDY REPLACEMENT BY AN ELECTROLESS NICKEL PLATE.	MCCULLOCH CORP (LAKE HAVASU)	200234	1
CHROMIUM HYDROXIDE	ELIMINATE CHROMIUM HYDROXIDE AS A HAZARDOUS WASTE.	INSTALL ION-EXCHANGE UNIT; PURSUE DELISTING PROCESS; EVALUATE CHROME-FREE PROCESS	MI HOME PRODUCTS INC.	200072	5
CHROMIUM COMPOUNDS	IMPROVE RAW MATERIAL HANDLING TO REDUCE LOSSES OF CHROMIUM GREEN PIGMENT BY 10%. ACTION STEPS: 1) DEVELOP PROCEDURES, 2) PROVIDE DEDICATED CLEAN-UP EQUIPMENT, 3) PROVIDE EMPLOYEE TRAINING, 4) INSTALL STOPS ON FORKLIFT TYNES.	INSTITUTE PRODUCT RECEIPT PROCEDURES AND GOOD HOUSEKEEPING PRACTICES. TRAIN EMPLOYEES ON NEW PROCEDURES AND METHODS.	MONIERLIFETILE, LLC-PHOENIX,AZ	200658	1
CHROMIUM / LEAD	ELIMINATE ETHYLENE GLYCOL ETHERS USED DURING PHOTORESIST APPLICATION AND DEVELOPING PROCESSES.	REPLACE ETHYLENE GLYCOL ETHER WITH EITHER PROPYLENE GLYCOL EHTERS OR LACTIC ACID BASED SOLVENTS.	MOTOROLA - MESA	200255	2
CHROMIUM / LEAD	REDUCE AIR EMISSIONS FROM SOLVENTS IN THE NEGATIVE RESIST PROCESSING AREAS.	INSTALL A CARBON ADSORPTION SYSTEM TO TREAT SOLVENT CONTAINING EXHAUST.	MOTOROLA - MESA	200255	3
CHROMIUM	REDUCE RAW MATERIAL LOSS DURING STORAGE AND TRANSFER 1) DEVELOP MANAGEMENT PROCEDURES FOR EACH TYPE OF RAW MATERIAL (LOOSE, PALLETED, SCRAP, ETC) 12/31/2000 2) DEVELOP MATERIAL LOADING PROCEDURES 6/30/2000 3) TRAIN EMPLOYEES 12/31/2001.	DEVELOP MANAGEMENT PRACTICES	NORTH STAR STEEL ARIZONA	200615	11
CHROMIUM SLUDGE	REDUCE CHROMIUM BUILDUP IN CLEAN WATER TANKS WHERE PARTS ARE DIPPED AFTER PLATING	TRAIN EMPLOYEES ON LETTING PARTS DRAIN LONGER	OHLINGER INDUSTRIES, INC.	200561	1
CHROMIUM COMPOUNDS	IMPROVE RAW MATERIAL HANDLING TO REDUCE LOSSES OF CHROMIUM GREEN PIGMENT BY 10%. ACTION STEPS: 1) DEVELOP PROCEDURES, 2) PROVIDE DEDICATED CLEAN-UP EQUIPMENT, 3) PROVIDE EMPLOYEE TRAINING, 4) INSTALL STOPS ON FORKLIFT TYNES.	INSTITUTE PRODUCT RECEIPT PROCEDURES AND GOOD HOUSEKEEPING PRACTICES. TRAIN EMPLOYEES ON NEW PROCEDURES AND METHODS.	OLDCASTLE WESTILE--formerly MONIERLIFETILE-CASA GRANDE	200635	1
CHROMIUM RINSE WATER	ELIMINATE THE CHROMIUM RINSE SCRUBBER WATER.	RESEARCH THE PROFITABILITY OF THE LINE AND DISCONTINUE THE GENERATION OF THE WASTE DUE TO THE CHROMIUM OXIDE PRODUCTION. IN 1999 THIS PROCESS LINE WAS ELIMINATED.	PING, INC	200208	14
CHROMIUM COMPOUNDS	REDUCE CHROMIUM COMPOUND WASTE	REWORK OFF SPEC PRODUCT TO REDUCE WASTE, AND USE MATERIAL HANDLING PROCEDURES TO REDUCE NUMBER OF TIMES MATERIAL IS HANDLED.	POLYONE CORP.-GLENDALE, AZ	200714	1
CHROMIUM	DEMAND THE HIGHEST QUALITY OF MATERIALS FROM OUR VENDORS. DOCUMENT DEFECTS. REVIEW DEFECTS WITH VENDOR. RESEARCH OTHER SOURCES FOR QUALITY MATERIALS.	REQUIRE VENDOR TO ACCEPT RETURN OF DEFECTIVE MATERIAL. NEGOTIATE WITH ALTERNATE VENDORS. (CHANGED STAINLESS STEEL & ALUMINUM VENDORS. RETURNED DEFECTIVE MATERIAL TO VENDOR FOR REPLACEMENT.	RANDELL MANUFACTURING OF AZ, INC.	200599	1
CHROMIUM	DEMAND HIGHEST QUALITY OF MATERIALS FROM OUR VENDORS.	CHANGED STAINLESS STEEL & ALUMINUM SUPPLIERS. RETURNED DEFECTIVE MATERIALS FOR REPLACEMENT.	RANDELL REFRIGERATION	200616	1
CHROMIUM	REDUCE DROPS AND SCRAP BY CONFIGURING MATERIAL PROCESSED BY METAL CUTTING AND FORMING EQUIPMENT TO ENSURE OPTIMUM UTILIZATION.	REDUCED MATERIAL CONTENT AND COMPLEXITY THROUGH R& D. NESTING OF PARTS THROUGH TURRET PUNCH.	RANDELL REFRIGERATION	200616	2
CHROMIUM	REDUCE DROPS AND SCRAP BY OBTAINING HIGH QUALITY METAL CUTTING AND FORMING EQUIPMENT.	REQUIRE VENDOR TO ACCEPT RETURN OF DEFECTIVE MATERIAL. NEGOTIATE WITH ALTERNATE VENDORS.	RANDELL MANUFACTURING OF AZ, INC.	200599	2
CHROMIUM	MINIMIZE UNUSABLE PARTS FROM DAMAGE THROUGH TRAINING AND CROSS TRAINING PROGRAMS IN PROPER FABRICATION AND ASSEMBLY PRACTICES. DEVELOP JOB DESCRIPTIONS AND PRODUCTION PROCEDURES. IMPLEMENT TRAINING PROGRAMS.	DOCUMENT EACH TASK INVOLVED IN THE FABRICATION AND ASSEMBLY PROCESS. USE DIGITAL CAMERAS TO VISUALLY ASSIST EMPLOYEES IN RECOGNIZING AND DEVELOPING PROPER ASSEMBLY TECHNIQUES.	RANDELL MANUFACTURING OF AZ, INC.	200599	3
CHROMIUM	REDUCE DROPS AND SCRAP BY CONFIGURING MATERIAL PROCESSED BY METAL CUTTING AND FORMING	UTILIZE SOFTWARE IN TURRET PUNCH PROGRAMMING. IMPLEMENT TRAINING PROGRAM USING EQUIPMENT MFG. INSTRUCTOR. ADDED SOFTWARE UPGRADES AND OPERATOR TRAINING.	RANDELL MANUFACTURING OF AZ, INC.	200599	4
CHROMIUM	REDUCE THE VOLUME AND COST OF WASTE TREATMENT AND SLUDGE DISPOSAL BY 20% OF F006 SPRAY DRIED POWDER AND FILTER CAKE FROM MIXING LARGE AMOUNTS OF WASTE WATER AND SMALL AMOUNTS OF METALS.	USE A NEW SELECTIVE CHELATING ION EXCHANGE SYSTEM TO TREAT THE NEW 2ND STAGE REVERSE OSMOSIS EFFLUENT TO BELOW PIMA COUNTY POTW RELEASE LIMITS. CONCENTRATED ACID AND ALKALINE SOLUTIONS ARE BLENDED AND PRETREATED WITH SODIUM HYDROSULFITE INSTEAD OF SO2 AND NaOH.	RAYTHEON COMPANY USAF PLANT 44	200184	43

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
CHROMIUM	PLATING WASTE ABATEMENT: REDUCE CHROMIUM IN WASTE STREAM BY 2200 LBS (60%)	PROCESS CHANGE TO REPLACE CHROMATED DEOXIDIZERS AND CONVERSION COAT SOLUTIONS WITH NON-CHROMATED DEOXIDIZERS ** GOAL DROPPED **	RAYTHEON COMPANY USAF PLANT 44	200184	8
CHROMIUM	GENERIC POLLUTION PREVENTION THROUGH GOOD OPERATING PRACTICES FOR (1) METALS, (2) CARDBOARD	WASTE SEGREGATION; TRAINING AND AWARENESS PROGRAMS; WASTE METAL SEGREGATED INTO BINS (STAINLESS STEEL, ALUMINUM, OR TITANIUM); NO TURNINGS OR SCRAP SENT TO LANDFILL; 30 YD COMPACTOR INSTALLED TO CRUSH CARDBOARD BOXES TO RECYCLE	STURM RUGER AND COMPANY, INC.	200362	10
CHROMIUM COMPOUNDS	REDUCE THE USE OF CHROMIUM (COMPONENT OF STEEL) BY REDUCING SCRAP BY 10% PER YEAR	TRAIN PERSONNEL TO IMPROVE STEEL MELT PROCESS	STURM RUGER AND COMPANY, INC.	200362	17
CHROMIUM	REDUCE HIGH CHROMIUM STEEL SCRAP FROM FOUNDRY PROCESSES BY A FURTHER 10%. DEVELOP A P2 SPECIFIC EMPLOYEE TRAINING PROGRAM BY 08/01/01 AND SEND TRAINING DOCUMENTS TO ADEQ - PPU BY 07/01/02.	ONGOING TRAINING OF PERSONNEL TO IMPROVE THE STEEL MELT PROCESS PERFORMANCE. THIS WILL REDUCE TOTAL STEEL USED RELATIVE TO BUSINESS ACTIVITY AND REDUCE THE WASTE STREAM FOR OFF-SITE RECYCLING.	STURM RUGER AND COMPANY, INC.	200362	19
CHROMIUM	REDUCE THE INCIDENCE OF HIGH CHROMIUM STEEL SCRAP FROM STEEL FINISHING PROCESSES BY 20%. DEVELOP A P2 SPECIFIC EMPLOYEE TRAINING PROGRAM BY 08/01/01 AND SEND TRAINING DOCUMENTS TO ADEQ-PPU BY 07/01/02.	INSTITUTE TRAINING AND A SCRAP REDUCTION COMMITTEE TO IMPROVE THE STEEL FINISHING PROCESS PERFORMANCE. THIS WILL REDUCE TOTAL STEEL USED RELATIVE TO BUSINESS ACTIVITY AND REDUCE THE WASTE STREAM FOR OFF-SITE RECYCLING.	STURM RUGER AND COMPANY, INC.	200362	20
CHROMIUM	REDUCE THE NEED FOR OFF-SITE DISPOSAL/TREATMENT OF PROCESS WATER IN THE CHEMFILM PROCESS AND ABRASION ETCH PROCESS	CONSTRUCT A WASTEWATER PRETREATMENT SYSTEM TO TREAT WATER PRIOR TO DISCHARGE FROM BOTH PROCESSES	THE BOEING COMPANY	200238	11
CHROMIUM	REDUCE THE NEED FOR OFF-SITE DISPOSAL/TREATMENT OF SHOP RAGS CONTAMINATED WITH SOLVENTS	REPLACE COTTON AND CHEESE CLOTH RAGS WITH PAPER TOWELS TO REDUCE WEIGHT; REDUCE THE SIZE OF THE CLOTH RAGS; USE A SPECIAL CONTAINER TO HOLD PAPER RAGS	THE BOEING COMPANY	200238	13
CHROMIUM, ZINC, COPPER	REDUCE THE AMOUNT OF METAL CONTAMINATION IN THE WATER SOLUTION OF THE QUENCH TANK USED IN HEAT TREATING METAL PARTS.	DESIGN & INSTALL A FILTER UNIT TO REMOVE CONTAMINANTS FROM A QUENCH TANK & REDUCE THE AMOUNT OF WASTE GENERATED FOR DISPOSAL. FILTRATION OF THE QUENCH TANK HAS PROVEN ITSELF IN PROLONGING THE LIFE OF THE SOLUTION WHICH IN TURN HAS REDUCED THE FREQUENCY OF THE TANK DUMPING/CHANGING.	THE BOEING COMPANY	200238	24
CHROMIUM	REDUCE THE QUANTITY OF CONTAMINATED PROCESS RINSE WATERS BY FILTERING AND RECYCLING THE RINSE WATERS BACK INTO THE PROCESS.	DESIGN AND INSTALL A REVERSE OSMOSIS BASED FILTRATION SYSTEM WHICH WILL CLEAN THE RINSE WATER FOR REUSE BACK INTO THE PROCESS PRIOR TO DISCHARGE TO A POTW.	THE BOEING COMPANY	200238	27
CHROMIUM	REDUCE AIR EMISSIONS BY MODIFYING PAINT BOOTHS TO BE ABLE TO UTILIZE MORE EFFICIENT PAINT FILTERS.	IMPROVE THE TECHNOLOGY BY INCREASING THE PAINT BOOTH FILTER EFFICIENCY: OLDER FILTER EFFICIENCY <=30%, NEW FILTER EFFICIENCY =90%.	THE BOEING COMPANY	200238	30
CHROMIUM	GENERAL: REDUCE AIR EMISSIONS, WATER DISCHARGES, AND OFFSITE TRANSFERS OF HAZ. WASTE BY 50% BY DEC. 1995 FOR 7 CHEMICALS (BENZENE, MEK, TOLULENE, DICHLOROMETHANE, XYLENE, AND CHROMIUM) IN THE 33/50 PROGRAM	PRODUCT SUBSTITUTIONS AND PROCESS / SPECIFICATION MODIFICATIONS	THE BOEING COMPANY	200238	4
CHROMIUM	ELIMINATE CHROMIUM USED IN ANODIZING, PLATING, ETCHING, PASSIVATING AND PAINTING PROCESSES; AND IN CONVERSION COATINGS, PRIMERS, TOPCOATS AND ADHESIVES	IDENTIFY, QUALIFY AND IMPLEMENT NON-CHROMATED MATERIALS AND PROCESES FOR THE 14 SPECIFIC MDHC CHROMATED PROCESSES; SUBSTITUTE LESS HAZARDOUS CHEMICALS SUCH AS SULFURIC ACID AND PHOSPHORIC ACID	THE BOEING COMPANY	200238	5
CHROMIUM/ CHROMIC ACID	ELIMINATE CHROME CONTAINING WASTE STREAMS.	1) REPLACE THE CHROMIC ACID ANODIZING PROCESS WITH THE SULFURIC/ BORIC ACID ANODIZING PROCESS, WHICH WILL ELIMINATE CHROME CONTAINING WASTE STREAMS. 2) USE A ALODINE "TOUCH-N-PREP" MARKER THAT WORKS LIKE A NORMAL DRY ERASE MARKER FOR TREATING ALUMINUM PARTS.	U.S. MARINE CORPS - YUMA AIR STATION	200407	16
CHROMIUM	REDUCE WASTE WATER GENERATED BY THE 56TH EMS WHEEL & TIRE SHOP JET WASHERS.	USE WATER EATERS "EVAPORATORS" INVESTIGATE SUITABILITY OF USING THE WWTF PRETREATMENT UNIT. USE SURFACTANT THAT DOES NOT ATTACK THE HEAVY METAL ON PARTS BEING WASHED	U.S.A.F. - LUKE	200409	27
CHROMIUM	MAINTAIN MINIMAL WASTE STREAM GENERATION BY REDUCING WATER FROM NEW WET BEAD BLAST OPERATION AT 56TH EMS	USE WATER EATERS "EVAPORATOR" FOR WET BEAD BLAST WASTE STREAM.	U.S.A.F. - LUKE	200409	33
CHROMIUM	REDUCE CORROSIVE PACK - DRUM WASH WASTES BY 5% PER YEAR	CHANGE PRODUCT MIX, MOVE CERTAIN PRODUCTS TO OTHER FACILITIES IN THE AREA, DEVELOP WRITTEN OPERATING PROCEDURES.	UNIVAR USA, INC.	200426	10
CHROMIUM	REDUCE WASTE GENERATION FROM RINSING RETURNED DRUMS OF CORROSIVE LIQUIDS (ACIDS/HYDROXIDES). REDUCE TO 6000 LBS BY 1994	INSTALLED A WASTE WATER PRETREATMENT SYSTEM AND FILTER PRESS TO DEWATER SLUDGE.	UNIVAR USA, INC.	200426	6

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
CIRCUIT BOARD TRIM	8.2.3 #1: CIRCUIT BOARD ROUTER TRIM (BUILDINGS A,B,C): RECYCLE SCRAP CIRCUIT BOARDS. REDUCE GENERATION OF TRIM AND OFF-SPEC CIRCUIT BOARDS DISPOSED OF IN LANDFILL	SEND CIRCUIT BOARD TRIM AND OFF-SPEC BOARDS TO A RECYCLER IN CASA GRANDE FOR COPPER RECOVERY INSTEAD OF LANDFILING.	CONTINENTIAL CIRCUITS	200105	4
CITRUS BASED CLEANERS	INVESTIGATE OPPORTUNITY TO LOWER OR REDUCE VOCS ON THE MP-80 LINE.	BY INVESTIGATING THE OPPORTUNITY FOR USE OF A LOW OR NO VOC CHEMISTRY.	SANMINA - SCI	200669	60
CITRUS BASED CLEANERS	REDUCE CITRUS BASED CLEANERS BY 20% IN 1996 AND 40% IN 1998.	USE PRODUCT FILTRATION TO INCREASE THE EFFECTIVE LIFE OF PRODUCT AND AIR KNIVES TO REMOVE EXCESS CLEANER FROM THE PART.	STURM RUGER AND COMPANY, INC.	200362	13
CLEANER	Goal #3: REDUCE QD CONTACT CLEANER USE (PARTS SURFACE CLEANING - PRIOR TO PRECISION INSPECTION). ACTION PLAN: 1. RESEARCH ALTERNATIVE CLEANERS (COMPLETED 12/31/2000). 2. RESEARCH/BENCHMARK AQUEOUS CLEANING PROCESSES WITHIN INDUSTRY 12/31/2001. 3. PILOT TEST PRODUCT/PROCESS 6/30/2002. 4. EVALUATE 9/30/2003. 5. IMPLEMENT 12/31/2003. 6. REVIEW EFFECTIVENESS OF PLAN 12/31/2003.	A. RESTRICT QD APPLICATION FOR CERTAIN DEPARTMENTS BECAUSE THE CLEANING IS NOT USUALLY PRECISION CLEANING AND IT IS NOT REQUIRED TO EVAPORATE SO QUICKLY. B. REPLACE QD WITH A SAFER ALTERNATIVE CLEANER. RESEARCH SPRAY AND AEROSOL CLEANERS, WHICH ARE LESS TOXIC.	HONEYWELL ENGINES & SYSTEMS	200145	3
CLEANER	REDUCE USE OF SPRAY-ON AERSOL SOLVENT BLEND (QD) FOR CLEANING ELECTRICAL COMPONENTS. ACTION PLAN: 1. RESEARCH ALTERNATIVE CLEANERS, 2. TEST ALCOHOL WIPES AND OTHERS, 3. IMPLEMENT BEST CLEANING ALTERNATIVE, 4. EVALUATE.	USE SOLVENT WIPES IN CONJUNCTION WITH THE AEROSOL SPRAY. REPLACE THE AEROSOL SPRAY (QD) WITH AN ALTERNATIVE CLEANER.	HONEYWELL AEROSPACE SERVICES	200024	9
CLEANER	REDUCE CHEMICAL USAGE ON SOLDER LEVEL LINE.	BY DETERMINING THE FEASIBILITY OF USING IN-LINE FILTERS TO DECREASE CHEMICAL DUMP FREQUENCY.	SANMINA - SCI	200669	24
COATING WASTE	REDUCE THE AMOUNT OF COATING WASTE GENERATED IN FURNITURE MANUFACTURING.	TRAIN OPERATORS IN THE BEST AVAILABLE SPRAYING TECHNIQUES TO REDUCE OVERSPRAY.	ASPEN FURNITURE, LLC-CLARENDON	200736	2
COBALT	REDUCE FUGITIVE EMISSIONS OF ALUMINUM OXIDE (PM10) DUST.	INSTALL A SECONDARY FILTRATION UNIT ON GRIT BLASTER EXHAUSTS.	CHROMIZING ARIZONA	200095	1
COBALT	REMOVE METAL CONTAINING FUMES FROM EXHAUST (IE. NICKEL, COBALT, AND CHROMIUM) EMISSIONS.	PURCHASE AND INSTALL POLLUTION CONTROL EQUIPMENT (IE. ELECTROSTATIC PRECIPITATOR).	CHROMIZING ARIZONA	200095	2
COBALT	REDUCE AMOUNT OF CHROMIUM, COPPER AND COBALT DISCHARGE TO SANITARY SEWER BY 25% BY DECEMBER 1999.	EVALUATE ALTERNATIVES FOR HANDLING QUENCHING WATER.	HERAEUS INC.--MATERIALS TECH. DIVISION	200171	3
COBALT	REDUCE THE AMOUNTS OF CR, CU AND CO METALS DISCHARGED TO THE SANITARY SEWER.	INSTALL FILTER SYSTEM AND CLOSED LOOP RECYCLING FOR WATER JET CUTTING AREA	HERAEUS INC.--MATERIALS TECH. DIVISION	200171	7
COMPOSITE MATERIAL	REDUCE SCRAP COMPOSITE MATERIALS.	RECYCLE THE SCRAP OR RESIDUAL MATERIALS INTO USEABLE PRODUCTS/COMMODITY SUCH AS UTILITY TRENCH COVERS, WALL PROTECTORS, DOOR EDGE GUARDS, SHIPPING CRATES, DRIP PANS ETC.	THE BOEING COMPANY	200238	19
CONTAMINATED RAGS	ELIMINATE THE USE OF REMA TIP TOP NO. 13 SOLVENT (TCE COMPONENT).	REPLACE WITH A SUITABLE NON-HAZARDOUS SOLVENT	ASARCO - MISSION COMPLEX (SAHUARITA)	200047	6
CONTAMINATED RAGS	ELIMINATE GENERATION OF TCE ASSOCIATED WASTES.	TEST AND EVALUATE NEW REPLACEMENTS FOR NO 13 SOLVENT	ASARCO - MISSION COMPLEX (SAHUARITA)	200047	8
CONTAMINATED AEROSOL CANS	REDUCE QUANTITY OF WS #17, AEROSOL CANS BY 50%	INVESTIGATE WAYS TO EMPTY AND PUNCTURE AEROSOL CANS. IF FEASIBLE COLLECT AND RECYCLE CANS.	IBM CORPORATION	200194	14
COOLANT	REDUCE QUANTITY OF WASTE STREAM #8 GRINDING COOLANT BY 25%	1. LOOK FOR SUBSTITUTES. 2.DETERMINE IF SMALL FILTRATION UNIT WOULD ALLOW REUSE OF COOLANT. INVESTIGATE OFF SITE RECYCLING	IBM CORPORATION	200194	5
COOLANT	REDUCE THE AMOUNT OF COOLANT WASTE GENERATED BY 50%	USE COOLANT RECOVERY UNIT; HANGE FROM STANDARD SYNTHETIC COOLANT TO A MORE BIOSTABLE COOLANT TO EXTEND SUMP LIFE OF MATERIAL AND REDUCE WASTE GENERATION	R.E. DARLING COMPANY, INC.	200306	3
COOLANT (MACHINE)	OTHER SOURCE REDUCTION ACTIVITIES: MACHINING COOLANT WASTE REDUCTION	FOUND A HIGHER QUALITY, LONG LASTING ALTERNATIVE TO CURRENT MACHINE COOLANT; INVESTIGATE COOLANT RECYCLING	RAYTHEON COMPANY USAF PLANT 44	200184	37
COOLANT	REDUCE THE DISPOSAL OF WASTE MACHINE COOLANT.	INSTALL A COOLANT RECOVERY SYSTEM TO ENABLE RECYCLING AND REUSE OF MACHINE COOLANT.	THE BOEING COMPANY	200238	16
COOLANT (MACHINE)	REDUCE THE QUANTITY OF CONTAMINATED MACHINE COOLANT DISPOSED OF AS A HAZARDOUS WASTE.	INCREASE SHOP PERSONNEL TRAINING; PROVIDE IMPROVED SEGREGATION OF WASTE TO PREVENT SOLVENT CONTAMINATION OF USED MACHINE COOLANTS. INCREASE RECYCLING AS A FUEL.	THE BOEING COMPANY	200238	46
COOLANT(MILL)FATTY ESTERS	REDUCE MILL COOLANT WASTE (CONSISTS OF FATTY ACID ESTERS AND PROCESS CONTAMINATION) PRODUCED WHEN FORMING STEEL PIPE.	INSTALLED NEW DEHYDRATION EQUIPMENT WHICH HAS GIVEN A 25:1 REDUCTION RATIO	ALLIED TUBE AND CONDUIT	200032	1
COOLANT(MILL)FATTY ESTERS	REDUCE MILL COOLANT WASTE GENERATION - SEE GOAL #1A **GOAL DROPPED 6/95** **PROCESS CHANGE**.	INCREASE THE LIFE OF THE MILL COOLANT THROUGH BETTER STORAGE PIT DESIGN AND BETTER FILTER SYSTEM DESIGN **GOAL DROPPED 6/95**	ALLIED TUBE AND CONDUIT	200032	2

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
COOLANTS (MACHINE)	REDUCTION AND RECYCLING OF MACHINE COOLANTS, CUTTING OILS, LUBRICANTS AND OTHER OIL MATERIALS	STANDARDIZE THE TYPES OF MACHINE COOLANTS WHICH END UP BEING SPECIAL WASTE; SELECT COOLANTS THAT HAVE WIDE RANGE OF APPLICATION; SELECT COOLANTS FOR LONG LIFE TO DECREASE USAGE	STURM RUGER AND COMPANY, INC.	200362	7
COOLANTS (MACHINE)	REDUCTION AND RECYCLING OF MACHINE COOLANTS, CUTTING OILS, LUBRICANTS AND OTHER OIL MATERIALS, BY REDUCING THE OVERALL AMOUNT USED	REDUCE NUMBER OF DIFFERENT COOLANTS; FILTER COOLANTS TO INCREASE LIFE; COOLANTS PUT THROUGH AN OIL/WATER SEPERATOR TO REDUCE VOLUME BY 90%; THE RESIDUAL OIL AND COOLANTS W/O WATER ARE SENT FOR FUEL BLENDING	STURM RUGER AND COMPANY, INC.	200362	8
COOLANTS (MACHINE)	REDUCTION AND/OR RECOVERY OF MACHINE COOLANTS, CUTTING OIL LUBRICANTS AND OTHER LUBRICANTS	IDENTIFY STRATEGIES AND EQUIPMENT REQUIREMENTS FOR RECYCLING MACHINE COOLANTS AND LUBRICANTS ON-SITE	STURM RUGER AND COMPANY, INC.	200362	9
COOLING WATER	REDUCE PROCESS COOLING WATER USED IN MULTILAYER LAMINATION PRESS AREA.	EVALUATE WATER CONSUMPTION TO DETERMINE IF FLOW CAN BE REDUCED WITHOUT AFFECTING PRODUCT QUALITY AND IF WATER CAN BE REUSED FOR OTHER AREAS. ADD FLOW METER WITH A CONTROL VALVE TO MONITOR FLOW RATE OF COOLING WATER. IF, POSSIBLE, REPLUMB COOLING WATER TO USE IN THE PROCESS RINSE WATER.	MICOM CIRCUITS WEST	200245	5
COOLING WATER CHEMICALS	REDUCE THE OVERALL AMOUNT OF CHEMICALS USED BY THE COOLING TOWERS AND CHILLERS BY 25%.	WORK WITH OTHER MOTOROLA SITES TO DEVELOP ALTERNATIVE TECHNOLOGIES TO THE CURRENT CHEMICALS REQUIRED AND LOOK INTO OTHER POSSIBLE MAINTENANCE PRACTICES THAT COULD REDUCE THE CHEMICALS USED.	MOTOROLA - RESEARCH DIV	200609	13
COOLING WATER CHEMICALS	REDUCE THE QUANTITY OF CHEMICALS REQUIRED TO TREAT WATER FOR COOLING TOWERS AND CHILLERS	AUTOMATE THE CHEMICALS REQURIED TO TREAT TOWER AND CHILLER WATERS;INSTALL CENTRIFUGAL FILTERS; EVALUATE EFFECTIVENESS	MOTOROLA-TEMPE	200259	15
COOLING WATER CHEMICALS	REDUCE LEAKS FROM CHILLERS.	INSTALL REFRIGERATION LEAK DETECTION MONITOR.	MOTOROLA-TEMPE	200259	3
COOLING WATER	REUSE EFFLUENT WATER FOR COOLING TOWERS, PLANT SCRUBBERS AND DI MAKEUP.	INSTALL A REVERSE OSMOSIS SYSTEM TO TREAT EFFLUENT WATER.	MOTOROLA-TEMPE	200259	6
COPPER	IMPROVE INDOOR AIR QUALITY	IMPROVE HOUSEKEEPING. IMPROVE DAILY CLEANUP OF EMPLOYEE WORK STATIONS. PERFORM VACUUMING OF ENTIRE FOUNDRY. ENFORCE DAILY WET SWEEP.	AACCO CAST PRODUCTS, INC.	200526	5
COPPER	OPTIMIZE RAW MATERIAL USE	TEST A NEWLY INSTALLED POUR APPARATUS. THIS APPARATUS PROMISES TO REDUCE SPILLAGE OF MOLTEN METAL ONTO THE FOUNDRY FLOOR.	AACCO CAST PRODUCTS, INC.	200526	6
COPPER OXIDE / CREOSOTE	PREVENT LEAKING VALVES AND JOINTS.	REINSTITUTE MAINTENANCE PROGRAM; USE VIDEO TAPES TO TRAIN EMPLOYEES; SCHEDULE MAINTENANCE BETTER.	ARIZONA PACIFIC WOOD PRESERVING, INC.	200488	1
COPPER OXIDE	REDUCE CREOSOTE AND CCA USAGE BY MAINTAINING CALIBRATION OF GAUGES FOR STORAGE TANKS MINIMIZING BATCH IMPREGNATION.	DEVELOP A MONTHLY CHECK PROCESS TO ENSURE CALIBRATIONS FOR ACCURATE READINGS OF TREATMENT, ELIMINATING OVER USAGE OF CHEMICAL	ARIZONA PACIFIC WOOD PRESERVING, INC.	200488	10
COPPER OXIDE	ELIMINATE CREOSOTE AND CCA CONTAMINATION BY COATING AND SEALING DRIP PADS.	COAT AND SEAL DRIP PADS WITH APPROVED SEALANTS ELIMINATING SUB-SURFACE CONTAMINATION. ELIMINATING CLEANUP OF WASTE.	ARIZONA PACIFIC WOOD PRESERVING, INC.	200488	11
COPPER OXIDE	REDUCE CREOSOTE AND CAA WASTES BY MAINTAINING BERM AROUND DRIP PADS MINIMIZING ANY ADDITIONAL RUN-ON OR RUN-OFF.	INSTITUTE GOOD HOUSEKEEPING MEASURES. DEVELOP A PROCESS TO CHECK WEEKLY FOR ANY FAILURES OR STRUCTURAL CONDITIONS OF BERM	ARIZONA PACIFIC WOOD PRESERVING, INC.	200488	12
COPPER OXIDE COMPOUNDS	REDUCE CREOSOTE AND CAA WASTES BY MAINTAINING DRIP PAD OPERATIONS PROGRAM	INSTITUTE GOOD HOUSEKEEPING MEASURES. IMPROVE EMPLOYEE TRAINING ON DRIP PAD OPERATING PROCEDURES.	ARIZONA PACIFIC WOOD PRESERVING, INC.	200488	13
COPPER OXIDE COMPOUNDS	REDUCE CREOSOTE AND CAA WASTES BY DESIGNATING A FORKLIFT TO THE DRIP PAD AREAS.	DESIGNATE A FORKLIFT SPECIFICALLY FOR DRIP PAD AREA ONLY. ELIMINATING DIRT AND DEBRIS CONTAMINATION ON AND OFF DRIP PADS.	ARIZONA PACIFIC WOOD PRESERVING, INC.	200488	14
COPPER OXIDE / CREOSOTE	REDUCE CONTAMINATION BY SOILS AND DEBRIS OF CHEMICALS BEFORE CAPTURE AND REUSE.	INSTITUTE A CLEANING/ HOUSEKEEPING PROGRAM.	ARIZONA PACIFIC WOOD PRESERVING, INC.	200488	2
COPPER OXIDE / CREOSOTE	REDUCE CHEMICAL USAGE AND CHEMICAL DRIPPAGE DUE TO POOR CALIBRATION	MAINTAIN CALIBRATION OF GUAGES; YEARLY CALIBRATION PERFORMED BY MANUFACTURER	ARIZONA PACIFIC WOOD PRESERVING, INC.	200488	3
COPPER OXIDE / CREOSOTE	REDUCE CONTAMINATION FROM THE DRIP PAD	COAT AND SEAL PAD; MAINTAIN BERM AROUND PAD; INSTITUTE PROGRAM FOR CLEANING PAD	ARIZONA PACIFIC WOOD PRESERVING, INC.	200488	4
COPPER OXIDE / CREOSOTE	DEVELOP ALTERNATIVE TREATMENT METHODS TO REDUCE VARIOUS TOXIC USAGES	INSTALL A STRIP PUMP TO BETTER CONTROL TREATMENT OF LUMBER; SUBSTITUTE A "CLEAN CREOSOTE" PRODUCT FOR THE CREOSOTE AND #6 FUEL OIL MIXTURE.	ARIZONA PACIFIC WOOD PRESERVING, INC.	200488	5
COPPER OXIDE COMPOUNDS	REDUCE CHEMICAL USAGE BY EXPLORING NEW TREATING PROCEDURES WHILE MAINTAINING REQUIRED RETENTIONS DURING TREATING. ACTION PLAN: RESEARCH TREATING PROCEDURES, TEST TREATING PROCEDURES AND IMPLEMENT BEST ALTERNATIVE	REVISE TREATING PROCEDURES TO REFINE TREATING TO ACCURATE RETENTIONS.	ARIZONA PACIFIC WOOD PRESERVING, INC.	200488	6
COPPER OXIDE COMPOUNDS	ELIMINATE LEAKS AND SPILLS OF CREOSOTE AND CCA BY RE-INSTITUTING MAINTENACE PROGRAMS OF VALVES AND JOINTS	INSTITUTE GOOD HOUSEKEEPING MEASURES. DEVELOP A PROCESS TO CHECK WEEKLY TO ENSURE VALVES AND JOINTS ARE IN GOOD WORKING ORDER.	ARIZONA PACIFIC WOOD PRESERVING, INC.	200488	7

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
COPPER OXIDE COMPOUNDS	ELIMINATE CCA WOOD TREAT (COPPER CHROMATED ARSENATE) WASTE BY SUBSTITUTING WITH A NON-TOXIC PRESERVATIVE.	REPLACE TREATING SOLUTIONS WITH ALTERNATIVE NON-HAZARDOUS SOLUTIONS.	ARIZONA PACIFIC WOOD PRESERVING, INC.	200488	8
COPPER OXIDE COMPOUNDS	REDUCE CREOSOTE AND CCA WOOD TREAT USAGE BY RETURNING UPSPENT SOLUTIONS TO WORK TANKS.	REVISE TREATING PROCEDURES TO REFINE TREATING TO ACCURATE RETENTIONS.	ARIZONA PACIFIC WOOD PRESERVING, INC.	200488	9
COPPER COMPOUNDS	REDUCE ON-SITE SLAG DISPOSAL AND RESULTANT DISPOSAL OF COPPER & SILVER COMPOUNDS.	REUSE/PROCESS ABOUT 500 TPD (ORIGINAL GOAL OF 3000 TPD WAS REDUCED TO 500 IN 8/95 AMENDMENT) OF STOCKPILED SLAG (40%) BY MODIFYING THE MILL AT A PROJECT COST $1.5 MILLION.	ASARCO RAY COMPLEX/HAYDEN SMELTER & CONCENTRATOR	200046	1
COPPER	REDUCE POLLUTANTS (LEAD, CHROMIUM, CADMIUM, COPPER, NICKEL, ZINC, SILVER) RELEASED TO POTW THROUGH RINSE WATER.	ESTABLISH WRITTEN RINSING SEQUENCES (PROCEDURES) FOR THE STEEL AND ALUMINUM PLATING LINES.	AZ PLATING & ANODIZING CO	200062	2
COPPER TUNGSTEN	ELIMINATE THE LANDFILL DISPOSAL OF COPPER TUNGSTEN WASTE AND CREATE A RECYCLING PROGRAM. COPPER TUNGSTEN MANUFACTURING: COPPER, COBALT, AND TUNGSTEN METAL POWDERS ARE FORMULATED AND USED IN THE MANUFACTURING OF ELECTRONIC COMPONENTS.	INVESTIGATE POSSIBLE RECYCLING OF METAL POWDERS. (1) COLLECT SAMPLES OF THE COPPER TUNGSTEN POWDER, PRESSED GREEN SCRAP, FIRED SCRAP AND NICKEL PLATED FIRED SCRAP FOR ANALYTICAL ANALYSIS, (2) QUANTIFY CONCENTRATIONS OF COPPER, TUNGSTEN, COBALT, AND NICKEL IN SCRAP WASTE STREAMS, (3) RESEARCH AND DEVELOPMENT (A) RECYCLE FEASIBILITY STUDY, (B) MARKET VALUE, IF ANY (C) IDENTIFICATION OF RECYCLING FACILITY(S), (4) SETUP COLLECTION AND RECYCLING PROGRAM.	BRUSH CERAMIC PRODUCTS	200075	7
COPPER	REDUCE COPPER WASTE AND ESTABLISH BASELINE FOR 15% REDUCTION BY 2001.	MATERIALS MANAGEMENT AND HOUSEKEEPING, REDUCTION AREA CUT-TO-LENGTH, REDUCTION METHOD SCRAP RATE, DAMAGE RATE, ENCOURAGE VENDORS TO REDUCE THEIR DEFECT RATE.	CARRIER HEAT TRANSFER PRODUCTS, YUMA, AZ	200610	3
COPPER	8.2.3 #1: CIRCUIT BOARD ROUTER TRIM (BUILDINGS A,B,C): RECYCLE SCRAP CIRCUIT BOARDS. REDUCE GENERATION OF TRIM AND OFF-SPEC CIRCUIT BOARDS DISPOSED OF IN LANDFILL	SEND CIRCUIT BOARD TRIM AND OFF-SPEC BOARDS TO A RECYCLER IN CASA GRANDE FOR COPPER RECOVERY INSTEAD OF LANDFILING.	CONTINENTIAL CIRCUITS	200105	4
COPPER	REDUCE AMOUNT OF SCRAP COPPER GENERATED DURING MANUFACTURING.	IMPROVE WORK PRACTICES THROUGH TRAINING; IMPROVE WASTE SEGREGATION.	CORELLA ELECTRIC WIRE AND CABLE	200698	1
COPPER	REDUCE AMOUNT OF SCRAP INSULATED COPPER WIRE SCRAPPED. ACTION PLAN 1: EVALUATE CUSTOMER NEEDS VS. INTERNAL REQUIREMENTS. ACTION PLAN 2: CONDUCT ANALYSIS OF OFF-SPEC. CAUSES AND DEVELOP ACTION PLANS. ACTION PLAN 3: (RE) TRAINING AND INCREASE ACCOUNTABILITY.	REVIEW REQUIREMENTS; IMPROVE WORK PRACTICES.	CORELLA ELECTRIC WIRE AND CABLE	200698	2
COPPER	REDUCE COPPER SHAVINGS PRODUCED DURING DRILLING OPERATION.	ELIMINATE DRILLING OF MOUNTING HOLE THRU USE OF HYDRAULIC PUNCH, MECHANICAL PUNCH OR THE TURRET PRESS.	CUTLER-HAMMER (TEMPE, AZ)	200637	1
COPPER	REDUCE SHAVINGS PRODUCED DURING THE COUNTER SINK OPERATION.	ELIMINATE SHAVINGS THRU USE OF COUNTERSINK FORMING TOOL ON THE TURRET PRESS, OR DEVELOPMENT OF A FORMING TOOL FOR THE MECHANICAL PUNCH.	CUTLER-HAMMER (TEMPE, AZ)	200637	2
COPPER	REDUCE AMOUNT OF COPPER DISPOSED OF IN LANDFILL.	IMPROVE HOUSEKEEPING TO REDUCE AMOUNT OF SCRAP COPPER.	CUTLER-HAMMER (TEMPE, AZ)	200637	3
COPPER	RECYCLE THE COPPER CLAD TRIMMINGS TO REDUCE SOLID WASTE.	COLLECT, SORT, AND SEND OUT COPPER CLAD TRIMMINGS TO CONSOLIDATED RESOURCES INC.	EVERETT CHARLES TECHNOLOGIES STG	200131	3
COPPER COMPOUNDS	ASSURE AIR POLLUTION CONTROL SYSTEM MAINTAINS MAXIMUM EFFICIENCY	DAILY BAGHOUSE MAINTINENCE TO MAXIMIZE EFFICENCY, INCREASED PREVENTIVE MAINTENANCE TO REDUCE POTENTIAL EMISSIONS	GANNON & SCOTT PHOENIX, INC.	200168	5
COPPER IN WASTEWATER	REDUCE OFFSITE TRANSFERS OF COPPER IN SOLUTION BY 30%.	1. USE OF SCRUBBER TO EVAPORATE EXCESS WATER. 2. AT EFC UNIT ANODE CHANGE (10-12 MONTHS) INSPECT AND CLEAN SPRAY NOZZLES. USE ULTRA SONIC CLEANER.	GOULD ELECTRONICS, INC.	200163	13
COPPER CYANIDE	REUSE AS PROCESS BATH MAKE-UP 5% OF THE CYANIDE RINSES GENERATED BY THE TREATLINES.	REUSE OF PROCESS RINSE WATER AS BATH MAKE-UP.	GOULD ELECTRONICS, INC.	200163	14
COPPER HYDROXIDE SLUDGE	REDUCE THE AMOUNT OF COPPER HYDROXIDE SLUDGE GENERATED BY 20%.	CONTINUE FOCUS ON GENERAL AWARENESS OF THE EXPENSE OF LOSING PROCESS SOLUTION AND BETTER OPERATING PRACTICES.	GOULD ELECTRONICS, INC.	200163	18
COPPER CYANIDE	REDUCE THE AMOUNT OF R.O. WATER USED FOR FOIL RINSING IN THE BRASS PLATING PROCESS BY 20%.	RECONFIGURE BRASS PLATING RINSES TO MAXIMIZE WATER USAGE.	GOULD ELECTRONICS, INC.	200163	19
COPPER SULFATE	REDUCE THE OFFSITE TRANSFER OF COPPER (IN SOLUTION) BY 10%. ELECTRO FORMING OF COPPER FOIL USES COPPER SULFATE AND EXCESS COPPER SULFATE IS GENERATED FROM THIS PROCESS.	IMPROVE CHEMISTRY CONTROL BECAUSE THE CURRENT AUTOMATED SYSTEM IS UNRELIABLE. RESEARCH REPLACEMENT OF THE ON-LINE ANALYTICAL CONTROL SYSTEMS. ACQUIRE NECESSARY CAPITAL FOR PURCHASE OF A NEW SYSTEM. PURCHASE AND INSTALL SYSTEM.	GOULD ELECTRONICS, INC.	200163	20
COPPER	PURSUE THE REDUCTION IN RINSE WATER USE ON THE 12 COPPER PLATING SYSTEM RINSE UNITS (CU FOIL RINSE) TO SAVE WATER	REUSE RINSE WATER AS MAKEUP TO COPPER PLATING BATH VOLUME AND AS MAKEUP VOLUME FOR COPPER RECOVERY IN ACID ETCHING TREATMENT SYSTEM	GOULD ELECTRONICS, INC.	200163	3

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
COPPER HYDROXIDE SLUDGE	REDUCE THE GENERATION OF COPPER SLUDGE WASTE IN CIRCUIT BOARD COPPER FOIL MANUFACTURING	USE STATISTICAL PROCESS CONTROL ON PLATING BATH CHEMISTRY TO PREVENT OUT-OF-SPEC BATH DUMPS AND REUSE PLATING RINSE IN BATH	GOULD ELECTRONICS, INC.	200163	4
COPPER	ELIMINATE POTENTIAL FOR TOXIC SUBSTANCES IN STORMWATER DISCHARGES TO ENTER THE ENVIRONMENT THROUGH DRY WELL LOCATED IN THE LOADING DOCK BY 6/1998.	ELIMINATE DRY WELL (BMP FOR STORMWATER DISCHARGE)	HERAEUS INC.--MATERIALS TECH. DIVISION	200171	2
COPPER	REDUCE AMOUNT OF CHROMIUM, COPPER AND COBALT DISCHARGE TO SANITARY SEWER BY 25% BY DECEMBER 1999.	EVALUATE ALTERNATIVES FOR HANDLING QUENCHING WATER.	HERAEUS INC.--MATERIALS TECH. DIVISION	200171	3
COPPER	REDUCE THE AMOUNTS OF CR, CU AND CO METALS DISCHARGED TO THE SANITARY SEWER.	INSTALL FILTER SYSTEM AND CLOSED LOOP RECYCLING FOR WATER JET CUTTING AREA	HERAEUS INC.--MATERIALS TECH. DIVISION	200171	7
COPPER SLUDGE	INVESTIGATE ALTERNATIVE CHEMISTRIES TO REDUCE COPPER SLUDGE GENERATION FROM CIRCUIT BOARD ELECTROPLATE AND PHOTORESIST.	TEST ALTERNATIVE CHEMICALS & SEE IF ANY WOULD INCREASE METAL RECOVERY; REDUCE SLUDGE VOLUME; DECREASE COST & UPGRADE CHEM CONTROL.	HONEYWELL - 19TH AVE PHOENIX	200181	1
COPPER	REASSESS WASTE WATER TREATMENT MANAGEMENT OPTIONS TO CONSIDER ZERO DISCHARGE.	1. BATCH CHEMICAL TREATMENT IN HOLDING TANKS TO REDUCE TOXICITY OF METAL SLUDGE 2. AN ALTERNATIVE CHEMICAL PRECIPITATION IN THE CHROME ALODINE PROCESS TO REDUCE CHROME USE 3. RESEARCH CLOSED LOOP RECYCLING AND ALTERNATIVE TECHNOLOGIES HAVE BEEN ELIMINATED AS P2 ALTERNATIVES.	HONEYWELL - 19TH AVE PHOENIX	200181	15
COPPER	REDUCE VOLUME OF SPENT CUPRIC CHLORIDE ETCHANT (COPPER/ HYDROCHLORIC ACID SOLUTION)	PROPER TUNING OF ETCHANT REGENERATION SYSTEM WHICH INCREASED COPPER PER GAL.	NELCO TECHNOLOGY, INC.	200265	10
COPPER	REDUCE CHEMICAL DRAGOUT CONTAINING COPPER INTO RINSES.	REPLACE ROLLER COVERS AND ADJUST; MEASURE METALS CONCENTRATION BEFORE AND AFTER	NELCO TECHNOLOGY, INC.	200265	13
COPPER	REDUCE THE MOISTURE CONTENT OF THE COPPER HYDROXIDE SLUDGE **DROPPED**	INVESTIGATE USE OF A HIGH EFFICIENCY FILTER PRESS - DROPPED (CHANGED TO ION EXCHANGE SYSTEM)	NELCO TECHNOLOGY, INC.	200265	15
COPPER HYDROXIDE SLUDGE	REDUCE THE PRODUCTION OF COPPER HYDROXIDE SLUDGE.	CONVERT TO AN ION EXCHANGE WASTEWATER TREATMENT SYSTEM	NELCO TECHNOLOGY, INC.	200265	22
COPPER	REDUCE COPPER EFFLUENT CONCENTRATION FROM WASTE WATER.	PURCHASE AND INSTALL AN ATOMIC ABSORPTION UNIT WAS PURCHASED & HAS ALLOWED US TO DETERMINE EXACT COPPER EFFLUENT VALUES.	NELCO TECHNOLOGY, INC.	200265	23
COPPER	REDUCE THE TOTAL AMOUNT OF COPPER RELEASED IN THE WASTE WATER EFLUENT.	AUTOMATE BATCH WASTEWATER TREATMENT SYSTEMS INCLUDING SETTING POINT ALARMS, PH MONITORS, AUTOMATIC TIMERS, AND CHEMICAL ADDISION.	NELCO TECHNOLOGY, INC.	200265	24
COPPER	REDUCE COPPER RELEASED FROM THE FACILITY TO THE POTW.	BEGIN PRETREATING SPENT STRIPPER SOLUTION PRIOR TO DISCHARGE TO SEWER. STRIPPER SOLUTION IS SLOWLY MIXED WITH OTHER WASTE STREAMS AND OVER HALF OF ITS COPPER IS REMOVED.	NELCO TECHNOLOGY, INC.	200265	25
COPPER	REDUCE COPPER IN WASTE WATER INFLUENT BY ELIMINATING THE OVERFLOW OF TANKS T-1 AND T-1A.	INSTALL SMALL PUMP STATIONS AT EACH PROCESS TO COLLECT WASTE WATER AND SEND IT DIRECTLY TO THE TREATMENT SYSTEM	NELCO TECHNOLOGY, INC.	200265	26
COPPER	REDUCE LEAKAGE FROM THE SUMPS OF ALL THREE ETCHERS	1. BEGIN CAMPAIGN TO IMPROVE PREVENTIVE MAINTENANCE. 2. REPLACE ALL UNITS THAT CONTINUE TO EXHIBIT UNACCEPTABLE LEVELS OF ETCHANT LEAKAGE.	NELCO TECHNOLOGY, INC.	200265	27
COPPER	ELIMINATE THE MIXING OF COPPER BEARING ACIDS WITH CHELATED SOLUTIONS. THIS WILL ALLOW THE COPPER TO BE RECYCLED RATHER THAN DISPOSED.	CONSTRUCT BARRIER IN ALL TANKS AND CONTAINMENTS TO SEPARATE INCOMING MATERIALS.	NELCO TECHNOLOGY, INC.	200265	28
COPPER	REDUCE OR ELIMINATE LEAKS IN THE WET PROCESS EQUIPMENT.	HIRE A PLASTIC REPAIR CONTRACTOR TO REBUILD AND RE-WELD THE PLASTIC SECTIONS OF THE WET PROCESS EQUIPMENT THAT ARE LEAKING.	NELCO TECHNOLOGY, INC.	200265	33
COPPER IN WASTEWATER	INCREASE THE COPPER REMOVAL EFFICIENCY OF THE WASTE WATER TREATMENT CLARIFIER AND REDUCE COPPER SENT TO SEWER	USE MAGNESIUM HYDROXIDE AS A COAGULATION ADDITIVE IN THE WASTE WATER TREATMENT OPERATION TO INCREASE COPPER REMOVAL	NELCO TECHNOLOGY, INC.	200265	5
COPPER IN WASTEWATER	IMPROVE BATCH AND CONTINUOUS WASTE TREATMENT PROCESS CHANGES TO IMPROVE EFFICIENCY OF COPPER REMOVAL	CONDUCT BENCH TOP TESTS; CHANGE OPERATIONS MANUALS; RETRAIN WASTE TREATMENT TECHNICIANS; ADDED SULFIDE CONTROLS (VERY EFFECTIVE).	NELCO TECHNOLOGY, INC.	200265	6
COPPER	REDUCE COPPER AND METHYL ETHYL KETONE CONTAMINATED STORM WATER	REDUCTION WILL BE ACHIEVED BY PREVENTING SPILLS OF COPPER AND METHYL ETHYL KETONE FROM OUTDOOR SCRAP BINS ONTO THE PAVEMENT. THE PREVENTION WILL BE ACCOMPLISHED BY REDESIGNING SCRAP MANAGEMENT AREA TO ALLOW FOR EASIER CLEANING AND BY IMPROVING OPERATOR TRAINING SO THAT LESS MATERIAL IS SPILLED ON THE PAVEMENT.	NELTEC, INC.	200491	13
COPPER	REDUCE THE AMOUNT OF COPPER BY PASSING OUR COPPER RECYCLING SYSTEM IN THE QUALITY CONTROL LAB.	PROVIDE A RECYCLE BIN FOR COPPER TRIMMINGS AND TRAIN EMPLOYEES TO ENSURE USE.	NELTEC, INC.	200491	15

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
COPPER	REDUCE THE AMOUNT OF COPPER BYPASSING OUR COPPER RECYCLING SYSTEM IN THE RESEARCH AND DEVELOPMENT LAB.	PROVIDE A RECYCLE BIN FOR COPPER TRIMMINGS AND TRAIN EMPLOYEES TO ENSURE USE.	NELTEC, INC.	200491	16
COPPER	INCREASE COPPER RECOVERY IN WASTE WATER TREATMENT PLANT.	CONDUCT A TEST PROGRAM OF NEW POLISHING CHEMICALS IN THE WASTEWATER TREATMENT PLANT, 1) REVIEW POSSIBLE CHEMICALS, SUPPLIERS AND FEED LOCATIONS, 2) COMPLETE TESTS ON INDIVIDUAL CHEMICALS AND BEGIN USE OF SELECTED PRODUCT	R.R.DONNELLEY PRINTING COMPANY	200307	6
COPPER	PLATING WASTE ABATEMENT: METALLIC COPPER RECOVERY AND CHLORINE GAS SOURCE REDUCTION CuCl2 REGENERATION ** GOAL DROPPED**	FUNDING NOT APPROVED; TECHNOLOGY UNDER-DEVELOPED	RAYTHEON COMPANY USAF PLANT 44	200184	11
COPPER COMPOUNDS	PLATING WASTE ABATEMENT: REMOVE INORGANIC CONTAMINENTS FROM RINSE WATERS AT PLATING LINE TO REDUCE SLUDGE	INSTALL ION EXCHANGE SYSTEMS ON PROCESS LINES TO EFFECTIVELY REMOVE Cr,Sn/Pb,Ni AND Cu FROM RINSE WATERS. TIMED RINSE CYCLES. REPLACED CONSTANT FLOW RINSE BATHS. CONSOLIDATED PLATING LINES.	RAYTHEON COMPANY USAF PLANT 44	200184	4
COPPER (CABLE SCRAP)	REDUCE CABLER SCRAP BY 30%.	1) EVALUATE ADDITIONAL METHODS TO MEASURE LENGTHS AND FEASIBILITY OF ADAPTING THESE METHODS TO OUR ROD MACHINE BY 4TH QTR 1999, 2) PURCHASE NEW COUNTING SYSTEM BY 2ND HALF 1999, 3) INSTALL COUNTING SYSTEM BY 1ST HALF 2000.	SERVICE WIRE CO.	200436	1
COPPER HYDROXIDE SLUDGE	ELIMINATE THE USE OF NITRIC ACID (BATH AND RESULTANT COPPER HYDROXIDE F006 SLUDGE) TO STRIP "PLATED ON COPPER" FROM THE CIRCUIT BOARD COPPER PLATING RACKS PLATING OPERATIONS	REPLACE NITRIC ACID BY AN ELECTROWINNING PROCESS WHICH PRODUCES A RECLAIMED COPPER SHEET ** GOAL DROPPED **	SOUTHWEST CIRCUITS INC.	200343	1
COPPER HYDROXIDE SLUDGE	PURCHASE/USE LESS COPPER SULFATE USED IN THE "HARD PLATING" BATHS AND THERE BY ALSO REDUCE F006 SLUDGE PRODUCED IN WWTF	USE THE BATH CHILLING TANK INSTALLED FOR THE MICRO-ETCH PROCESS ALLOWING COPPER SULFATE CRYSTALS TO FORM & RECOVERED ** GOAL DROPPED**	SOUTHWEST CIRCUITS INC.	200343	15
COPPER SULFATE	REDUCE THE AMOUNT OF COPPER DISPOSED OF IN THE MICRO ETCH BATHS.	EVALUATE AND IMPLEMENT A SYSTEM TO REMOVE THE COPPER SUCH AS A CHILLING METHOD.	SOUTHWEST CIRCUITS INC.	200343	17
COPPER HYDROXIDE SLUDGE	REDUCE PRODUCTION OF COPPER HYDROXIDE SLUDGE (F006) IN SULFURIC ACID/HYDROGEN PEROXIDE/COPPER SULFATE/DI WATER MICROETCH BATHS AND ELIMINATE COPPER SULFATE PURCHASE	ADD A COOLING TANK FOR THE MICRO-ETCH BATH SOLUTION SO THAT COPPER DROPS OUT THEN REUSE COPPER SULFATE CRYSTALS ** GOAL DROPPED**	SOUTHWEST CIRCUITS INC.	200343	4
COPPER HYDROXIDE SLUDGE	REDUCE THE USE OF NEW CHEMICAL ADDITIONS (AND F006 SLUDGE) TO THE ELECTROLESS COPPER PLATING BATH FOR PRINTED CIRCUIT BOARDS	USE OF "SPC" HAS ALLOWED REDUCTION OF CONCENTRATIONS GOING INTO BATH; OPTIMUM TREATMENT CHEMISTRY WAS FOUND; COPPER CONCENTRATION REDUCED FROM 100% TO 80%	SOUTHWEST CIRCUITS INC.	200343	7
COPPER	REDUCE THE DISPOSAL OFFIRED BULLETS AND SAND FROM THE FIRING RANGE.	RECYCLE ALL FIRED BULLETS AND SAND (WHEN REMOVED) TO SECONDARY LEAD SMELTER AS A FLUX REPLACEMENT. (OCCURS APPROXIMATELY EVERY TWO YEARS).	STURM RUGER AND COMPANY, INC.	200362	11
COPPER COMPOUNDS	(GOAL 2, PROCESS AREA 1) REDUCE CUPRIC OXIDE USAGE BY 73%.	DEVELOP VEHICLE INFLATORS BASED ON ALTERNATIVE GAS GENERANT MATERIALS.	TRW VEHICLE SAFETY SYSTEMS,MESA I	200395	11
COPPER COMPOUNDS	(GOAL 2, PROCESS AREA 2) REDUCE SODIUM NITRITE USE AND D003 WASTE STREAM. (BASELINE QUANTITY IS 67 % REGRANULATED SODIUM AZIDE.)	REUSE SCRAP GAS GENERANT IN PROCESS. MAINTAIN A MINIMUM 67% OF AZIDE REGRANULATED VS AZIDE SCRAPPED.	TRW VEHICLE SAFETY SYSTEMS,MESA I	200395	13
CORROSIVE SAND SLUDGE	REDUCE THE VOLUME OF RESIDUAL SAND SLUDGE PRODUCED IN THE ACID CLEANING PROCESS BY 33% ** GOAL DROPPED ** (SEE #11).	REPLACE THE HYDROFLUORIC ACID RINSE WITH SULFURIC ACID WHICH PRODUCES NO SAND SLUDGE.	DOLPHIN, INCORPORATED	200125	6
CORROSIVE LIQUIDS N.O.S.	REDUCE CUPRIC CHLORIDE WASTE STREAM RESULTING FROM ETCHING COPPER CLAD CIRCUIT BOARDS.	REPLACE CURRENT CUPRIC CHLORIDE ETCH PROCESS WITH A HYDROGEN PEROXIDE ETCHING SYSTEM. CUPRIC CHLORIDE RECLAMATION WAS NOT FEASIBLE; LOCATED RECYCLER TO USE IT AS A RAW MATERIAL.	ISOLA LAMINATE SYSTEMS	200268	1
CREOSOTE	REDUCE CREOSOTE AND CCA USAGE BY MAINTAINING CALIBRATION OF GAUGES FOR STORAGE TANKS MINIMIZING BATCH IMPREGNATION.	DEVELOP A MONTHLY CHECK PROCESS TO ENSURE CALIBRATIONS FOR ACCURATE READINGS OF TREATMENT, ELIMINATING OVER USAGE OF CHEMICAL	ARIZONA PACIFIC WOOD PRESERVING, INC.	200488	10
CREOSOTE	ELIMINATE CREOSOTE AND CCA CONTAMINATION BY COATING AND SEALING DRIP PADS.	COAT AND SEAL DRIP PADS WITH APPROVED SEALANTS ELIMINATING SUB-SURFACE CONTAMINATION. ELIMINATING CLEANUP OF WASTE.	ARIZONA PACIFIC WOOD PRESERVING, INC.	200488	11
CREOSOTE	REDUCE CREOSOTE AND CAA WASTES BY MAINTAINING BERM AROUND DRIP PADS MINIMIZING ANY ADDITIONAL RUN-ON OR RUN-OFF.	INSTITUTE GOOD HOUSEKEEPING MEASURES. DEVELOP A PROCESS TO CHECK WEEKLY FOR ANY FAILURES OR STRUCTURAL CONDITIONS OF BERM	ARIZONA PACIFIC WOOD PRESERVING, INC.	200488	12
CREOSOTE	REDUCE CREOSOTE AND CAA WASTES BY MAINTAINING DRIP PAD OPERATIONS PROGRAM	INSTITUTE GOOD HOUSEKEEPING MEASURES. IMPROVE EMPLOYEE TRAINING ON DRIP PAD OPERATING PROCEDURES.	ARIZONA PACIFIC WOOD PRESERVING, INC.	200488	13

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
CREOSOTE	REDUCE CREOSOTE AND CAA WASTES BY DESIGNATING A FORKLIFT TO THE DRIP PAD AREAS.	DESIGNATE A FORKLIFT SPECIFICALLY FOR DRIP PAD AREA ONLY. ELIMINATING DIRT AND DEBRIS CONTAMINATION ON AND OFF DRIP PADS.	ARIZONA PACIFIC WOOD PRESERVING, INC.	200488	14
CREOSOTE	REDUCE/ ELIMINATE LEAKAGE OF CREOSOTE FROM PRESSURE PUMP SEAL.	KEEP A SPARE PUMP WITH A SEAL ON HAND WHICH WILL PREVENT OPERATION OF THE PUMP WITH A LEAK.	ARIZONA PACIFIC WOOD PRESERVING, INC.	200488	17
CREOSOTE	REDUCE CHEMICAL USAGE BY EXPLORING NEW TREATING PROCEDURES WHILE MAINTAINING REQUIRED RETENTIONS DURING TREATING. ACTION PLAN: RESEARCH TREATING PROCEDURES, TEST TREATING PROCEDURES AND IMPLEMENT BEST ALTERNATIVE	REVISE TREATING PROCEDURES TO REFINE TREATING TO ACCURATE RETENTIONS.	ARIZONA PACIFIC WOOD PRESERVING, INC.	200488	6
CREOSOTE	ELIMINATE LEAKS AND SPILLS OF CREOSOTE AND CCA BY RE-INSTITUTING MAINTENACE PROGRAMS OF VALVES AND JOINTS	INSTITUTE GOOD HOUSEKEEPING MEASURES. DEVELOP A PROCESS TO CHECK WEEKLY TO ENSURE VALVES AND JOINTS ARE IN GOOD WORKING ORDER.	ARIZONA PACIFIC WOOD PRESERVING, INC.	200488	7
CREOSOTE	ELIMINATE CCA WOOD TREAT (COPPER CHROMATED ARSENATE) WASTE BY SUBSTITUTING WITH A NON-TOXIC PRESERVATIVE.	REPLACE TREATING SOLUTIONS WITH ALTERNATIVE NON-HAZARDOUS SOLUTIONS.	ARIZONA PACIFIC WOOD PRESERVING, INC.	200488	8
CREOSOTE	REDUCE CREOSOTE AND CCA WOOD TREAT USAGE BY RETURNING UPSPENT SOLUTIONS TO WORK TANKS.	REVISE TREATING PROCEDURES TO REFINE TREATING TO ACCURATE RETENTIONS.	ARIZONA PACIFIC WOOD PRESERVING, INC.	200488	9
CUPRIC CHLORIDE ETCHANT	REDUCE GENERATION OF CUPRIC AMMONIUM CHLORIDE BY 6.76% IN PRINTED CIRCUIT BOARD MANUFACTURE.	SOURCE REDUCTION: RAISE CU DISPOSAL POINT OF AMMONIUM CHLORIDE ETCHANT SOLUTION TO 148 G/L FROM 138 G/L OF COPPER	AVANTI CIRCUITS	200054	1
CUPRIC CHLORIDE (COPPER)	8.2.1 #1: REDUCE AMOUNT OF CUPRIC CHLORIDE WASTE SHIPPED OFFSITE RESULTING FROM SELECTIVELY ETCHING COPPER FROM CIRCUIT BOARDS ** GOAL DROPPED 6/95 IN FAVOR OF GOAL #2**	RECOVER COPPER BY TREATMENT OF THE SPENT ETCHENT WITH THE CU-CLEAN PROCESS FROM (TNT TECHNOLOGIES) PRODUCING A CU OXIDE SLUDGE ** GOAL DROPPED IN FAVOR OF GOAL #2 **	CONTINENTIAL CIRCUITS	200105	1
CUPRIC CHLORIDE	8.2.1 #2: REDUCE CUPRIC CHLORIDE ETCHANT SHIPPED OFFSITE AS A HAZARDOUS WASTE (SELL AS FEEDSTOCK FOR COPPER CHEMICALS)	SELL CUPRIC CHLORIDE ETCHANT TO A CHEMICAL COMPANY AS A FOR CONVERSION OF THE ETCHANT TO COPPER CHEMICALS. THIS USAGE WILL DECLASSIFY THE WASTE AS A HAZARDOUS WASTE	CONTINENTIAL CIRCUITS	200105	2
CUPRIC AMMONIUM CHLORIDE	REDUCE SHIPMENT OF SPENT ETCHANT TO OFF-SITE REGENERATION FACILITY.	INVESTIGATE METHODS/ MACHINERY TO PERFORM ON-SITE REGENERATION OF THE SPENT ETCHANT.	EVERETT CHARLES TECHNOLOGIES STG	200131	16
CUPRIC AMMONIUM CHLORIDE	REDUCE WASTE OF UNUSED ETCHANT.	INSTITUTE OPERATOR TRAINING PROGRAM FOR P2 INCLUDING SPECIFIC METHODS TO COMPLETELY EMPTY CHEMICAL DRUMS.	EVERETT CHARLES TECHNOLOGIES STG	200131	17
CUPRIC CHLORIDE	REDUCE WASTE OF UNUSED ETCHANT.	INSTITUTE OPERATOR TRAINING PROGRAM FOR P2 INCLUDING SPECIFIC METHODS TO COMPLETELY EMPTY CHEMICAL DRUMS.	EVERETT CHARLES TECHNOLOGIES STG	200131	20
CUPRIC AMMONIUM CHLORIDE	REDUCE THE USE AND GENERATION OF AMMONIACAL ETCHANT. 1. CONTACT PROLER RECYCLING TO SEE IF WE CAN INCREASE THE COPPER CONCENTRATION IN THE ETCHANT WITHOUT ADVERSELY AFFECTING PROLER'S PROPRIETARY REUSE PROCESS OR INCREASING OUR F006 SLUDGE GENERATION.	WORK WITH ETCHANT SUPPLIERS TO SEE IF WE CAN SET THE BAUME CONTROLLER TO A HIGHER LEVEL & MAINTAIN ETCHING QUALITY. WE WILL MONITOR THIS CHANGE, IF IT IS FEASIBLE, TO DETERMINE IF THE HIGHER LOADING IS GOING TO IMPACT F006 SLUDGE GENERATION	QUICK TURN CIRCUITS, INC.	200596	2
CUPRIC CHLORIDE ETCHANT WASTE	QA ETCHER: REDUCE ETCHANT WASTE BY 10%.	EQUIPMENT DESIGN IMPACTS VOLUME OF CHEMICALS REQUIRED FOR ETCHING PROCESS AND WASTE GENERATED BY PROCESS. INSTALL ETCHANT CONTAINMENT CHAMBER WHICH WILL REDUCE CARRYOVER THAT GENERATES THE WASTE STREAM.	ROGERS CORP. ADV CIRCUIT MAT'LS DIV.	200556	10
CUPRIC CHLORIDE	REDUCE GENERATION OF CUPRIC CHLORIDE RINSE WATER WASTE BY 20%.	INVESTIGATE PROCESS AND EQUIPMENT MODIFICATIONS TO REDUCE DRAGOUT FROM THE RINSE CHAMBERS AND INVESTIGATE OPPORTUNITY TO REUSE RINSE WATER FOR ETCHANT MAKE UP.	ROGERS CORP. ADV CIRCUIT MAT'LS DIV.	200556	8
CUPRIC CHLORIDE RINSE WATER	QA ETCHER: REDUCE CUPRIC CHLORIDE RINSE WATER WASTE BY 40%. SAMPLES OF COPPER CLAD LAMINATES ARE PROCESSES THROUGH A SMALL QA ETCHER WITH CUPRIC CHLORIDE/HYRDOCHLORIC ACUD ETCHANT TO REMOVE COPPER. THE SAMPLE THEN PROCEEDES TO A CASCADING RINSE SECTION FOR RINSING WITH WATER. CHEMICALS USED IN THIS PROCESS ARE REQUIRED FOR QUALITY ASSURANCE TESTING OF PRODUCTS.	EQUIPMENT DESIGN IMPACTS VOLUME OF CHEMICALS REQUIRED FOR ETCHING PROCESS AND WASTE GENERATED BY PROCESS. MODIFY PROCESS EQUIPMENT TO ELIMINATE EXCESSIVE WASTE.	ROGERS CORP. ADV CIRCUIT MAT'LS DIV.	200556	9
CUPRIC CHLORIDE	REDUCE CHEMICAL DUMP FREQUENCY ON DES LINES	BY DETERMINING THE FEASIBILITY OF IN-LINE FILTERS TO REDUCE DUMP FREQUENCY.	SANMINA - SCI	200669	8
CUPRIC AMMONIUM CHLORIDE	REDUCE THE GENERATION OF AMMONIACAL ETCHANT	DEVELOP BLEED AND FEED PUMP CALIBRATION SCHEDULE. IMPLEMENT CALIBRATION SCHEDULE. PURCHASE PH CONTROLLER, INSTALL PH CONTROLLER AND DEVELOP PH CONTROLLER CALIBRATION SCHEDULE	SOUTHBAY CIRCUITS, INC.	200586	2
CUTTING FLUIDS	ELIMINATE THE USE OF PETROLEUM BASED CUTTING OILS.	ELIMINATE PETROLEUM BASED CUTTING OILS BY REPLACING WITH A VEGETABLE OIL PRODUCT.	ADOT- SAFETY AND HEALTH SECTION	200009	11
CUTTING FLUIDS	REDUCE THE AMOUNT OF CUTTING FLUID (ENVIROCOOL) WASTE BY 50%, THAT IS GENERATED FROM THE OPTICAL CUTTING AND GRINDING AREA. - REDUCTION NOT MEASURED YET-	INSTALL EQUIPMENT ON GRINDING AND CUTTING MACHINES THAT REMOVES LEAD CONTAMINATED SLURRY AND ALLOWS FLUIDS TO BE CONTINUALLY RE-USED.	LITTON ELECTRO - OPTICAL SYSTEMS	200218	18

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
CUTTING FLUIDS	REDUCE HAZARDOUS WATER SOLUBLE CUTTING FLUIDS (WHICH CONTAIN CHLORINE) USED IN CENTERLESS GRINDERS, LATHES, MILLING MACHINES.	RECYCLE WATER SOLUBLE CUTTING FLUIDS CONTAINING CHLORINE, AND EVAPORATE THOSE THAT CAN NO LONGER BE RECYCLED.	TRIUMPH CORPORATION	200394	2
CYANIDE (SODIUM)	ELIMINATE CYANIDE USAGE IN PLATING OPERATIONS.	REPLACE THE SODIUM CYANIDE ELECTROCLEANER WITH A NOVAMAX "MAXAMP" ELECTROCLEANER.	ANOCAD PLATING & PAINTING CO, INC.	200037	2
CYANIDE COMPOUNDS	REDUCE THE AMOUNT OF CYANIDE COMPOUNDS USED IN THE COPPER AND SILVER PLATING LINE.	ADD A NON-CYANIDE BASED ZINCATE TO THE PROCESS LINE AND USE IT INSTEAD OF THE EXISTING CYANIDE BASED ZINCATE WHENEVER PARTS WILL ALLOW (NOT ALL TYPES AND ALLOYS WILL WORK IN A NON-CYANIDE BASED ZINCATE).	CHEM RESEARCH CO	200085	24
CYANIDE RINSE WATER	REDUCE THE AMOUNT OF RINSE WATER USED ON THE COPPER AND SILVER PLATING LINES IN THE GENERAL PLATING DEPT. AMEMDED GOAL 6/01 TO ONE SPECIFIC LINE.	BY DIVERTING THE WATER FROM THE OUTPUT OF THE ION EXCHANGE SYSTEM BACK TO FEED THE RINSE TANKS.	CHEM RESEARCH CO	200085	9
CYANIDE RINSE WATER	ELIMINATE GOLD SOLUTION WASTE STREAM.	INSTALL A PLATING UNIT ON THE GOLD DRAG-OUT TANK. PLATE DRAG-OUT AND SEND THE GOLD FLAKE FOR RECYCLING.	EVERETT CHARLES TECHNOLOGIES STG	200131	13
CYANIDE COMPOUNDS	REDUCE THE AMOUNT OF GOLD CYANIDE IN THE DRAG-OUT SOLUTION.	DEVELOP TRAINING DOCUMENTS ON THE BEST PRODUCT HANDLING METHODS TO REDUCE THE AMOUNT OF GOLD CYANIDE IN THE GOLD DRAG-OUT SOLUTION.	EVERETT CHARLES TECHNOLOGIES STG	200131	19
CYANIDE RINSE WATER	REUSE AS PROCESS BATH MAKE-UP 5% OF THE CYANIDE RINSES GENERATED BY THE TREATLINES.	REUSE OF PROCESS RINSE WATER AS BATH MAKE-UP.	GOULD ELECTRONICS, INC.	200163	14
CYANIDE RINSE WATER	REDUCE THE AMOUNT OF R.O. WATER USED FOR FOIL RINSING IN THE BRASS PLATING PROCESS BY 20%.	RECONFIGURE BRASS PLATING RINSES TO MAXIMIZE WATER USAGE.	GOULD ELECTRONICS, INC.	200163	19
CYANIDE RINSE WATER	ELIMINATE WASTE AND SUBSEQUENT TREATMENT OF CYANIDE SOLUTION RESIDUE IN 55 GALLON DRUMS. AS PART OF THE COPPER FOIL TREATMENT PROCESS, BRASS PLATING (CYANIDE BASES) IS DONE ON THE FOIL. BATH CHEMISTRY IS MAINTAINED BY PUMPING LIQUID CYANIDE CHEMICALS FROM 55 GALLON POLY DRUMS. THE DRUMS ARE DIFFICULT TO EMPTY OF CYANIDE CHEMICALS SO THEY ARE RINSED.	PURCHASE A BULK TANK FOR CYANIDE SOLUTIONS. BEGIN RECEIVING BULK SHIPMENTS OF LIQUID CYANIDE CHEMICALS.	GOULD ELECTRONICS, INC.	200163	23
CYANIDE RINSE WATER	REDUCE THE CYANIDE FROM PLATING RINSES.	ELIMINATE THE USE OF CYANIDE PLATING ON 80% OF PRODUCTS PREVIOUSLY NEEDING THAT FINISH BY REVISING SPECIFICATIONS OR STOPPING PRODUCTION ON SOME PRODUCTS.	WEISER LOCK COMPANY	200435	11
CYANIDE COMPOUNDS	REDUCE CYANIDE-BASED WASTE IN BRASS PLATING (8.1.2)	IMPLEMENT CHANGE-OVER FROM BRASS PLATING TO CONVERSION COATING ON SELECTED PARTS (NON-DECORATIVE INTERNAL COMPONENT FUNCTIONAL COATINGS)	WEISER LOCK COMPANY	200435	2
CYCLOALKENE (PROPRIETARY)	EXPLORE FEASIBILITY TO REDUCE AMOUNT OF CITRUS CLEANER SHIPPED OFF-SITE FOR DISPOSITION BY 100%	EXPLORE FEASIBILITY OF PROCESSING CLEANER FOLLOWING USE ON WAX MOLDS THROUGH ON-SITE WASTEWATER TREATMENT SYSTEM	STURM RUGER AND COMPANY, INC.	200362	15
CYCLOHEXANONE	ELIMINATE THE USE OF INK CONTAINING CYCLOHEXANONE IN POLYJACKETING.	REPLACE LABELING PROCESS THAT USES INK WITH CYCLOHEXANE WITH A MECHANICAL PRINTER THAT MAKES AN IMPRESSION WITH THE USE OF INK TAPE.	BELDEN COMMUNICATIONS DIVISION	200052	6
CYCLOHEXANONE	8.2.8 #2: REDUCE HAP/VOC EMISSIONS FROM THE PROBIMER (SOLDER MASK) PROCESS BY 95%. GOAL BY USING IMPROVED EMISSION CONTROL EQUIPMENT TO TREAT SOLDER MASK EXHAUST.	IMPROVED VOC EMISSION CONTROL: INSTALL EMISSION CONTROL EQUIPMENT (WET SCRUBBERS) TO TREAT THE EXHAUST FROM THE PROBIMER (SOLDER MASK) PROCESS.	CONTINENTIAL CIRCUITS	200105	10
CYCLOHEXANONE	8.2.8 #1: REDUCE USE OF TOXIC PROBIMER CHEMISTRIES (IN EPOXY RESIN USED AS A LIQUID SOLDER MASK) AND RESULTANT HAPs/VOCs (BUILDINGS A,B). REDUCE VOC EMISSIONS BY AT LEAST 10% (4,000 LBS/YR)	PROCESS MODIFICATION: EVALUATE 5 ALTERNATIVE SOLDER MASK CHEMISTRIES. SUBSTITUTE WITH LOWER VOC/NON-HAPS PRODUCTS	CONTINENTIAL CIRCUITS	200105	9
CYCLOHEXANONE	MINIMIZE USE OF PVC BASED GLUE FOR EDGE STRIPS AT THE ELECTROREFINERY.	REPLACE GLUE WITH AN ULTRASONIC WELDING MACHINE.	PHELPS DODGE MIAMI INC.	200115	24
CYCLOHEXYLAMINE,	REDUCE THE AMOUNT OF LIQUID DOPANT APPLIED TO A SPINNING WAFER	REPLACE MECHANICAL PUMP WITH A MICROPROCESSOR CONTROLLED PRESSURE PUMP. THIS WILL OPTIMIZE APPLICATION	MOTOROLA SCG	200253	20
D.R.ACRYLIC	REDUCE THE AMOUNT OF D.R. ACRYLIC PURCHASED, THERMO FORMED,AND VACUUM MOLDED. ** GOAL DROPPED **	REDUCE THE THICKNESS OF THE D.R. ACRYLIC FROM .60 MIL TO .40 MIL	BAJA PRODUCTS, LTD	200066	4
D-LIMONENE	ELIMINATE THE USE OF PC-205 TERPENE BASED SOLVENT FOR SHULER MOLD CLEANING.	EVALUATE THE VOC EMISSIONS AND EFFECTIVENESS OF PRODUCT 724 FOR PARTS VAPOR DEGREASING.	DOLPHIN, INCORPORATED	200125	12
D-LIMONENE	REDUCE THE EMMISSION OF D-LIMONENE SOLVENT.	REPLACE D-LIMONENE SOLVENT USED FOR COLD DEGREASING WITH AN ALIPHACTIC HYDRO CARBON SOLVENT	DOLPHIN, INCORPORATED	200125	9
DEVELOPER/FILM	REDUCE WASTE SHIPMENT OF KONICA DEVELOPER BY 20-30% **DROPPED**	DETERMINED TO BE NON-RCRA WASTE BY WASTE HANDLER	GREAT WESTERN PUBLISHING	200165	4

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
DEVELOPER	ELIMINATE THE GENERATION OF DEVELOPER AND TONER MIXED WASTE FROM THE ENGINEERING DRAFTING AREA BEFORE 1/1/1998 BY REMOVING OLD, OUTDATED BLUEPRINT AND COPY EQUIPMENT AND REPLACING IT WITH COMPUTER AUTOMATED DRAFTING (CAD) EQUIPMENT.	REMOVING OLD, OUTDATED BLUEPRINT AND COPY EQUIPMENT AND REPLACING IT WITH COMPUTER AUTOMATED DRAFTING (CAD) EQUIPMENT.	HONEYWELL ENGINES & SYSTEMS (TUCSON)	200025	19
DEVELOPER	REDUCE QUANTITY OF W.S. #1 TONER/DEVELOPER WASTE BY 50%	REVIEW WASTE IN WASTE STREAM #1. SEGREGATE CHEMICAL WASTE FROM NON-CHEMICAL TRASH.	IBM CORPORATION	200194	10
DEVELOPER	REDUCE QUANTITY OF W.S. #1 TONER/DEVELOPER WASTE BY 50%	COMPACT WASTE IN CONTAINER BEFORE SHIPPING TO REDUCE THE VOLUME AND NUMBER OF DRUMS BEING LANDFILLED.	IBM CORPORATION	200194	11
DEVELOPER	REDUCE CHEMICAL DUMP FREQUENCY ON DES LINES	BY DETERMINING THE FEASIBILITY OF IN-LINE FILTERS TO REDUCE DUMP FREQUENCY.	SANMINA - SCI	200669	8
DEVELOPER	REDUCE OFFSITE DISPOSAL OF DEVELOPER WASTE.	MODIFY WASTEWATER TREATMENT PERMIT AND INSTALL A BATCH WASTEWATER TREATMENT SYSTEM FOR CHEMICAL PREPARATION	TALLEY DEFENSE SYSTEMS - PLT 4	200370	12
DEVELOPER/FIXER	PHOTOGRAPHIC SERVICES: REDUCE PURCHASES OF DEVELOPER BY 50%; REDUCE WATER CONSUMPTION 60%; REDUCE PURCHASE OF NEW PHOTOGRAPHIC FIXER BY 80%.	CONDUCT FEASIBILITY STUDY TO RECYCLE DEVELOPER; INSTALL WATER PURIFICATION SYSTEM TO RECYCLE WATER; RECYCLE FIXER OFFSITE.	UNIVERSITY MEDICAL CENTER	200422	4
DI REGENERANTS	8.2.17: REDUCE OVERALL USE OF pH ADJUSTMENT CHEMICALS BY 15%	PROCESS MODIFICATION: STAGE DE-IONIZED WATER SYSTEM TO NEUTRALIZE EACH OTHER IN BLDGS. A & C. SET UP MIXING TANK FOR COMINGLING ANION AND CATION RESIN REGENERATES.	CONTINENTIAL CIRCUITS	200105	23
DI BASIC ESTER	REDUCE NON-HAZARDOUS WASTES IN THE FOAMING AND PAINTING OPERATIONS	NEW - SUBSTITUTED DI BASIC ESTER FLUSH WITH WATER. OLD -INSTALL AIR PURGE FOAM GUNS, INSTALL ANOTHER PAINT RECLAIM BOOTH TO REPLACE THE WATER WASH BOOTH TO ELIMINATE PAINT SLUDGE	SUB-ZERO FREEZER CO., INC.	200363	4
DI(2-ETHYLHEXYL)PHTHALATE	REDUCE FUGITIVE EMISSIONS & MINIMIZE SPILLS. INCREASE CHEMICAL USE EFFICIENCY.ELIMINATE THE DI(2ETHYLHEXYL) PHTHALATE IN THE TIN	RECONDITION FOAM LINE, REPLACE CHEMICAL FEED SYSTEM W/ NEW EQUIPMENT; ENCLOSED BATCH TANK AND INTEGRAL PIPING FOR ALL CHEMICALS, INSTALL AUTO CONTROL & METERING. REPLACE TIN CATALYST W/ NON-TOXIC TIN PRODUCT	FLEX FOAM-WESTERN BONDED PRODUCTS	200573	3
DI(2-ETHYLHOXYL)-PTHALATE	ELIMINATE LIQUID PAPER ERADICATION SOLUTION FROM INVENTORY	REPLACE WITH A SAFER NON-TOXIC ERADICATOR	TUCSON GENERAL HOSPITAL	200398	4
DI-2-ETHYLHEXYLPTHALATE	ELIMINATE HAZARDOUS WASTE DISPOSAL OF CARBON FILTERS FROM THE NDI TREATMENT PROCESS.	REACTIVATE CARBON TREATMENT UNITS. INVESTIGATE RECYCLING CARBON. ONGOING REVIEW OF HOUSEKEEPING PROCEDURES.	U.S. MARINE CORPS - YUMA AIR STATION	200407	8
DIBASIC LEAD PHTHALATE	ELIMINATE THE HALTHAL STABILIZER FROM THE COMPOUND FORMULATION.	REPLACE WITH COST-EFFECTIVE NONLEAD STABILIZER. **DROPPED** (NEW GOAL IN AMENDMENT)	SOUTHWIRE COMPANY	200151	3
DIBASIC LEAD PHTHALATE	ELIMINATE DISPOSAL OF EMPTY HALTHAL BOXES.	SWITCH TO RETURNABLE BULK BAGS.	SOUTHWIRE COMPANY	200151	4
DIBASIC LEAD PHTHALATE	ELIMINATE "SIGNIFICANTLY REDUCE" THE LANDFILL DISPOSAL OF THE PVC WHICH CONTAINS DIBASIC LEAD PHTHALATE & ANTIMONY TRIOXIDE IN SMALL CABLE STRIPPING.	SEPARATE THE PVC PORTION OF THE INSULATION FROM NYLON IN SMALL CABLE STRIPPINGS	SOUTHWIRE COMPANY	200151	8
DIBASIC LEAD PHTHALATE	ELIMINATE OR REDUCE THE USE OF DIBASIC LEAD PHTHALATE IN PRIMARY INSULATION COMPOUNDS. *DROPPED*	MONITOR THE DEVELOPMENT WORK OF PETER BURY IN TAUNTON, MA & CAO CHUBA IN PLANO, TX FACILITIES IN REGARDS TO LEAD REPLACEMENT FOR PRIMARY INSULATION COMPOUNDS *DROPPED*	SOUTHWIRE COMPANY	200151	9
DIBUTYL PHTHALATE	REDUCE THE AMOUNT OF CONSUMER PRODUCTS SENT OFF FOR INCINERATION. RECYCLE ALL COMPONENTS OF THE CONSUMER PACKAGES.	INCREASE THE RECYCLE OPPORTUNITIES BY FINDING VENDORS TO RECYCLE MATERIALS NOW BEING LANDFILLED.	REVLON CONSUMER PRODUCTS CORP.	200315	6
DICHLORODIFLUOROMETHANE	REDUCE TOTAL ODC USE BY 25%	CONTACT MANUFACTURERS OF CURRENT ODC PRODUCTS USED IN THE LAB AND INVESTIGATE PRODUCT SUBSTITUTIONS. WORK WITH LAB MAINTENACE AND EQUIPMENT MANUFACTURERS TO DETERMINE FEASABILITY OF RETROFITTING TEST CHAMBERS WITH SUBSTITUTE NON-CLASS I ODC REFRIGERENTS.	IBM CORPORATION	200194	13
DICHLORODIFLUOROMETHANE	ELIMINATE THE USE OF OZONE DEPLETING REFRIGERANT. REPLACE OZONE DEPLETING FREON (FREON 500 & R-11) IN CHILLERS.	CONVERT OR REPLACE 4 CHILLERS WITH 1,1,1,2 - TETRAFLUOROETHANE (HFC-134a)	MOTOROLA - MESA	200255	8
DICHLOROFLUOROETHANE	ELIMINATE DICHLOROFLUOROETHANE 1717-00-6.	RESEARCH POLYURETHANE SUBSTITUTE. REPLACE HCFC-141B WITH A NON-ODC. WORK WITH BASF TO GET SAMPLES OF NEW 245fa FOR TESTING. CANNOT GET ANY SAMPLES OF 245fa, SO WE ARE TESTING 134a INSTEAD.	TUSCARORA/ ISC GROUP	200534	1
DICHLOROFLUOROETHANE	RECYCLE POLYURETHANE SHIPPING CONTAINERS	RESEARCH METHODS FOR REUSING POLYURETHANE CONTAINERS	TUSCARORA/ ISC GROUP	200534	2

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
DICHLOROFLUOROETHANE	INVESTIGATE ALTERNATIVES TO HCFC-141B AS A BLOWING AGENT BY ATTENDING ADEQ'S "ALTERNATIVE FOAM BLOWING AGENTS" SEMINAR.	ISC WILL ATTEND A CONFERENCE OR SEMINAR, TALK TO OUR VENDORS AND RESEARCH OTHER OPPORTUNITIES FOR SUBSTITUTIONS.	TUSCARORA/ ISC GROUP	200534	7
DICHLOROMETHANE	ELIMINATE THE USE OF DICHLOROMETHANE TO PURGE THE SYSTEM. IT IS PUMPED THRU THE BINDER HEADER (USED IN THE REBOND AREA)	RUN TEST TO DETERMINE MIN. AMT OF DICHLORMETHANE REQUIRED TO PURGE SYSTEM. IMPLEMENT NEW PARAMETER INTO OPERATING PROCEDURE INVESTIGATE SUBSTITUTE & REPLACE	FLEX FOAM-WESTERN BONDED PRODUCTS	200573	2
DICHLOROMETHANE	REDUCE FUGITIVE EMISSIONS & MINIMIZE SPILLS. INCREASE CHEMICAL USE EFFICIENCY.ELIMINATE THE DI(2ETHYLHEXYL) PHTHALATE IN THE TIN	RECONDITION FOAM LINE, REPLACE CHEMICAL FEED SYSTEM W/ NEW EQUIPMENT; ENCLOSED BATCH TANK AND INTEGRAL PIPING FOR ALL CHEMICALS, INSTALL AUTO CONTROL & METERING. REPLACE TIN CATALYST W/ NON-TOXIC TIN PRODUCT	FLEX FOAM-WESTERN BONDED PRODUCTS	200573	3
DICHLOROMETHANE	ELIMINATE THE USE OF DICHLOROMETHANE IN GLUE & GLUE GUN CLEANER IN FOAM PROCESSING.	INVESTIGATE PRODUCTS TO REPLACE THE GLUE AND GLUE GUN CLEANER.	FLEX FOAM-WESTERN BONDED PRODUCTS	200573	4
DICHLOROMETHANE	REDUCE AIR EMISSIONS OF DICHLOROMETHANE AS AN AUXILIARY BLOWING AGENT IN PRODUCTION OF BUN FOAM (SLABSTOCK)	INVESTIGATE AND EVALUATE TECHNICAL, ECONOMICAL AND ENVIRONMENTAL FEASIBLITY OF CO2 BASED TECHNOLOGY AND OTHER TECHNOLOGIES SUCH AS ACETONE USE	FLEX FOAM-WESTERN BONDED PRODUCTS	200573	5
DICHLOROMETHANE	REDUCE FUGITIVE AIR EMISSIONS OF DICHLOROMETHANE	ENHANCE LEAK DETECTION AND REPAIR PROCEDURES	FLEX FOAM-WESTERN BONDED PRODUCTS	200573	7
DIESEL FUEL	PREVENT DIESEL FUEL AND GASOLINE LEAKS AND SPILLS FROM CONTAMINATING SURROUNDING AREAS.	RELOCATE TANKS TO NEW PADS; UPGRADE STORAGE TANKS TO VAULT CONTAINERS TO PROVIDE SECONDARY CONTAINMENT.	ALKEMIN, S. DE R.L. DE C.V.	200211	7
DIESEL	ELIMINATE LEAKS AND ACCIDENTAL RELEASES OF DIESEL FUEL	1. DAILY CHECK OF LEAK MONITOR SYSTEM BY SHOP FOREMAN AND MAINTAIN DIGITAL PRINTOUT FOR LOG. 2. SHOP FOREMAN TO PERFORM WEEKLY "STICK TESTING" AND RECORD IN LOG BOOK. 3. ANNUAL TIGHTNESS TESTING OF UST WILL BE PERFORMED EACH DECEMBER. AND RECORDED IN LOG BOOK. 4. FUELERS WILL BE TRAINED ON FUELING PROCEDURES TO ENSURE AGAINST LEAKAGE, TRAINING WILL BE RECORDED IN LOG BOOK.	ALLIANT FOODSERVICE	200621	2
DIESEL	REDUCE/ ELIMINATE THE POTENTIAL FOR RELEASE OF DIESEL FUEL TO THE ENVIRONMENT FROM A SPILL IN DIESEL FUEL STORAGE AND FILLING STATION.	(A) REPLACE THE CURRENT STORAGE TANK WITH 110% SECONDARY CONTAINMENT, (B) INSTALL NEW STORAGE TANK AND FILLING STATION IN AN AREA WITH LESS TRAFFIC CONGESTION (C) RELOCATE THE DIESEL STORAGE AND FUELING OPERATION TO AN AREA WITH LESS EXPOSURE TO STORM WATER RUNOFF, (D) REPLACE THE POWERED BACK-UP DIESEL GENERATOR WITH A NATURAL GAS POWERED GENERATOR.	APACHE NITROGEN PRODUCTS, INC.	200038	12
DIESEL	REDUCE THE AMOUNT OF DIESEL FUMES IN THE SAND HANDLING AREA. REPLACE THE BOBCAT PRESENTLY USED TO HANDLE THE 25 TONS SAND PILE WITH A MECHANICAL HANDLING SYSTEM, WHICH INCLUDES A SILO AND BINVENT.	BY INSTALLING THE MECHANICAL SAND HANDLING SYSTEM, THEY WILL REDUCE THE OPERATING HOURS OF THE BOBCAT BY 6 HOURS PER DAY. 7/2000: BOBCAT OPERATION HAS BEEN REDUCED BY 6 HOURS PER DAY	ARIZONA CASTINGS, INC.	200477	10
DIESEL	REDUCE THE NUMBER OF ABOVE GROUND FUEL AND CHEMICAL STORAGE TANKS FROM 223 TO 193 BY 1999 THROUGH CONSOLIDATION OF FUELING STATIONS.	CONSOLIDATION OF FUELING STATIONS. THE FOLLOWING TANKS WERE REMOVED FROM SERVICE IN 1998. 1. ROAD OIL TANK AT MINE. 2. 4 USED OIL COLLECTION TANKS (2 FROM PLANT, 2 FROM MINE) 3. 30,000 GALLON GASOLINE STORAGE TANK AT MINE. 4. 500 GALLON DIESEL FUEL TANK AT PLANT MAINTENANCE SERVICES. 5 3 FRESH OIL STORAGE TANKS AT MINE MAINTENANCE SERVICES.	BHP COPPER, SAN MANUEL SMELTING AND REFINING	200226	12
DIESEL	REMEDIATE 3 MAJOR EXISTING PETROLEUM SPILL SITES, MITIGATING POTENTIAL GOUNDWATER CONTAMINATION BY 1999	EXCAVATION, THERMAL DESORPTION, BIOREMEDIATION OF PETROLEUM CONTAMINATED SOILS. 1998 - APPROXIMATELY 80 TONS OF PETROLEUM CONTAMINATED SOILS HAVE BEEN EXCAVATED FROM EXISTING IMPACTED SITES.	BHP COPPER, SAN MANUEL SMELTING AND REFINING	200226	13
DIESEL	CONSTRUCT 2 IMPERVIOUS SECONDARY CONTAINMENT STRUCTURES AT FUEL STATIONS AND CHEMICAL STORAGE TANKS BY 1999.	CONSTRUCTION OF CONCRETE, WATER STOPPED, IMPERVIOUS SECONDARY CONTAINMENT STRUCTURES. THE CONSTRUCTION OF THREE CONCRETE SECONDARY CONTAINMENT STRUCTURES WAS INITIATED IN CALENDAR YEAR 1998 AND COMPLETED EARLY IN CALENDAR YEAR 1999. THE THREE STRUCTURES WERE AS FOLLOWS: 1. SODIUM HYDROSULFIDE TANK AT MILL. 2. SODIUM CYANIDE TANKS AT MILL. 3. SULFURIC ACID TANK AT POWERHOUSE COOLING TOWER.	BHP COPPER, SAN MANUEL SMELTING AND REFINING	200226	14
DIESEL	INSTALL ONE OIL/WATER SEPARATOR AND TRUCK STOP WASH PAD BY DECEMBER, 1999 TO PREVENT PETROLEUM CONTAMINATED SOIL.	INSTALL ONE OIL/WATER SEPARATOR AND TRUCK WASH PAD	BHP COPPER, SAN MANUEL SMELTING AND REFINING	200226	15
DIESEL	DELIVER 10 TRAINING SEMINAR TO BHP EMPLOYEES WHICH DETAIL PROPER MANAGEMENT AND POLLUTION PREVENTION PRACTICES OF AND PERTAINING TO PETROLEUM "BEST MANAGEMENT PRACTICES".	DELIVER 5 SEMINARS	BHP COPPER, SAN MANUEL SMELTING AND REFINING	200226	16
DIESEL FUEL	ELIMINATE POTENTIAL FOR TOXIC SUBSTANCES IN STORMWATER DISCHARGES TO ENTER THE ENVIRONMENT THROUGH DRY WELL LOCATED IN THE LOADING DOCK BY 6/1998.	ELIMINATE DRY WELL (BMP FOR STORMWATER DISCHARGE)	HERAEUS INC.--MATERIALS TECH. DIVISION	200171	2

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
DIESEL	REDUCE THE AMOUNT OF DISPOSABLE CLOTH RAGS USED FOR PLANT AND EQUIPMENT CLEAN-UP BY 20%. ACTION STEPS: 1) CONTACT LAUNDRY WITH PRESENT RAG USE INFORMATION, 2) TRY LAUNDRY SERVICE, 3) EVALUATE RESULTS (I.E. COST, QUALITY OF PRODUCT, SERVICE.	REPLACE DISPOSABLE RAGS WITH A LAUNDRY SERVICE.	MONIERLIFETILE, LLC-PHOENIX,AZ	200658	5
DIESEL	REDUCE VOC EMISSIONS FROM DIESEL MOLD RELEASE OIL BY 100%. ACTION STEPS: 1) TRY OTHER MOLD RELEASE AGENTS, 2) FIND ONE THAT PERFORMS AS WELL AS PRESENT MOLD RELEASE OIL.	SUBSTITUTE VEGETABLE OIL FOR DIESEL OIL.	OLDCASTLE WESTILE--formerly MONIERLIFETILE-CASA GRANDE	200635	2
DIESEL FUEL #2	COMMUNITY SERVICE-TEXACO STATION: MINIMIZE RELEASES OF DIESEL FUEL, OIL, SOLVENT AND ANTIFREEZE	INSTALL ABOVE GROUND DIESEL STORAGE TANK WITH PROPER SECONDARY CONTAINMENT; INSTALL OIL, SOLVENT & ANTIFREEZE DEPOSIT CENTER	PHELPS DODGE BAGDAD, INC.	200114	1
DIESEL FUEL	MAINTENANCE FACILITIES: REDUCE SPILLAGE OF PETROLEUM PRODUCTS.	CONSTRUCT NEW MAINTENANCE FACILITIES TO IMPROVE HANDLING PROCEDURES AND IMPROVE DISPENSING EQUIPMENT. INCLUDED DOUBLE WALLED TANKS FOR ALL LUBRICATING OILS, INTERNAL PIPING SYSTEMS, AND EVACUATION SYSTEMS FOR ALL LARGE EQUIPMENT ENGINE MOTOR OIL	PHELPS DODGE MIAMI INC.	200115	5
DIESEL	REDUCE THE AMOUNT OF DIESEL EXHAUST RELEASED IN THE ATMOSPHERE FROM FORKLIFTS AND LOADERS IF FEASIBLE.	RESEARCH THE FINANCIAL FEASIBILITY OF CONVERTING FLEETS TO ALTERNATIVE FUEL SOURCE.	PHOENIX BRICK YARD	200668	6
DIESEL FUEL	(8G) PREVENT DIESEL FUEL TANK LEAKS/SPILLS FROM CONTAMINATING SURROUNDING AREAS.	REMOVE TANK FROM GROUND TO ELIMINATE HAZARD - WILL BE LESS EXPENSIVE THAN SECONDARY CONTAINMENT.	TESSENDERLO KERLEY, INC. (PHX)	200210	7
DIESEL FUEL	ELIMINATE POTENTIAL SOIL CONTAMINATION FROM DOT HAZARDOUS CLASSIFICATION TEST MISSION. (1) RESEARCH SUITABLE LOCATIONS. (2) IDENTIFY FUNDING SOURCE. (3) COMPLETE APPROPRIATE ENVIRONMENTAL DOCUMENTATION. (4) DESIGN "FAST COOK-OFF" TO MEET TEST SPECIFICATIONS. (5) CONSTRUCT NEW PAD.	ESTABLISH PERMANENT "FAST COOK-OFF" TEST SITE TO CONDUCT DEPARTMENT OF TRANSPORTATION " HAZARDOUS CLASSIFICATION ANALYSIS".	U.S. ARMY - YUMA PROVING GROUND	200406	8
DIETHYLENE GLYCOL BUTYL E	8.1.14 #1: ELIMINATE THE USE OF DIETHYLENE GLYCOL BUTYL ETHER USED IN THE PHOTO RESIST PROCESS FOR CIRCUIT BOARD MANUFACTURE	PROCESS MODIFICATION: SUBSTITUTE WITH A PRODUCT CONTAINING PROPLYENE GLYCOL MONOMETHYL ETHER ACETATE	CONTINENTIAL CIRCUITS	200105	18
DIETHYLENE GLYCOL	RESEARCH AN ALTERNATIVE FOR CHEM COTE 3121 MIX IN ORDER TO REDUCE OR RECYCLE THE WASTE.	RESEARCH AN ALTERNATIVE TO CHEM COT 3121 MIX. LOOK TO MANUFACTURERS FOR A NON-HAZARDOUS CONSTITUENT. WILL CONTINUE TO WORK WITH VENDOR	GOETTL AIR CONDITIONING, INC.	200161	2
DIETHYLENE GLYCOL MONOBUTYL ETHER	REDUCE THE ANNUAL USE OF DIETHYLENE GLYCOL ETHER AS A PHOTORESIST STRIPPER.	CHEMICAL SUBSTITUTION FOR AN ALTERNATE COMPONENT WITH LESS POTENTIAL ENVIRONMENTAL IMPACT	MOTOROLA-TEMPE	200259	20
DIETHYLENE GLYCOL	ELIMINATE SECONDARY DRUM STORAGE OF DIETHYLENE GLYCOL.	ELIMINATE NEED FOR HAND DIP TRANSFER FROM DRUM TO MIXER	MURCO WALL PRODUCTS, INC	200262	7
DIETHYLENE GLYCOL	CONTINUE RESEARCH ON EXISTING PRODUCT FORMULAS USING ETHYLENE GLYCOL N-BUTYL ETHER AND DIETHYLENE GLYCOL ETHER TO FIND A SUITABLE SUBSTITUTE.	PRODUCT SUBSTITUTION	PROFESSIONAL CHEMICALS CORP	200538	5
DIETHYLENE GLYCOL	AVOID USING ETHYLENE GLYCOL N-BUTYL ETHER AND DIETHYLENE GLYCOL ETHER IN ANY NEW PRODUCTS WHERE POSSIBLE.	PRODUCT REFORMULATION	PROFESSIONAL CHEMICALS CORP	200538	6
DIETHYLENE GLYCOL ETHER	DEVELOP PROCESS AND WRITE SOP TO REUSE WASH DOWN WATER TO MINIMIZE BOTH WATER USAGE AND WASTE WATER.	GOOD OPERATING PRACTICES AND PROCESS CHANGE	PROFESSIONAL CHEMICALS CORP	200538	7
DIETHYLENE GLYCOL	RECYCLE ONE OF TWO PHOTORESIST STRIPPER BATHS TO REDUCE USE OF DIENTHYLENE GLYCOL MONOBUTYL ETHER	MOVE (RE-USE) THE SECOND BATH IN SERIES (POLISHING BATH) TO THE #1 POSITION THEREFORE MAKE UP ONLY ONE NEW BATH	SOUTHWEST CIRCUITS INC.	200343	2
DIETHYLENE DIOXIDE	ELIMINATE CARBO CHLOR, A SOLVENT USED TO DEGREASE MECHANICAL/ELECTRICAL COMPONENTS OF CLINICAL HOSPITAL EQUIPMENT	REPLACE WITH OTHER SAFETY SOLVENTS THAT ARE LESS HAZARDOUS, EXAMPLE: CRC-2-26	TUCSON GENERAL HOSPITAL	200398	3
DIHYDROGEN MONOXIDE	REDUCE THE GENERATION OF F006 SLUDGE. REDUCE WATER USE ON: STRIP, ETCH, STRIP LINE; ELECTROLESS COPPER LINE; HOT AIR LEVELLING AREA; MANUAL PATTERN PLATE LINE; OXIDE LINE; TIP LINE.	PURCHASE FLOW TOTALIZER, INSTALL AND MONITOR BASELINE USAGE. INSTALL FLOW RESTRICTORS/METERS, MONITOR USAGE. STANDARDIZE FLOW RATES IN WRITTEN PROCEDURES, TRAIN EMPLOYEES AND MONITOR USAGE. PURCHASE PROXIMITY SENSORS AND SOLENOIDS AND MONITOR USAGE.	SOUTHBAY CIRCUITS, INC.	200586	3
DIISOCYANATES	ELIMINATE MDI BINDER/DIE MIX USAGE BY 10%. REDUCE OVERALL SCRAP FROM 15% TO 1.5%.	REPLACE DIISOCYANATE BASE BINDER/DIE WITH WATER BASED BINDER/DIE OR ANOTHER SAFER ALTERNATIVE. 7/2000: RESEARCHED OPPORTUNITY AND FOUND NONE TO BE POSSIBLE AT THIS TIME. REDUCED OVERALL SCRAP FROM 15% TO 1.5%.	AQUAPORE MOISTURE SYSTEMS	200657	1

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
DIISOCYANATES	REDUCE SPILLS AND UNNECESSARY PRODUCT LOSS BY RESEARCHING NEW PROCESSES.	IMPLEMENT NEW FILLING AND MOLD PROCESS TO REDUCE SPILLS AND UNNECESSARY PRODUCT LOSS. (SEE GOAL #1 FOR BASELINE QTY). 7/2000: PURCHASED PREMIXED BINDER/DYE TO MINIMIZE SPILLAGE DURING MIXING AT OUR FACILITY.	AQUAPORE MOISTURE SYSTEMS	200657	2
DIISOCYANATES	IMPROVE THE MIXING AND MEASURING CONTAINERS.	REPLACE CONTAINERS WHICH WILL PREVENT SPILLS. (SEE GOAL #1 FOR BASELINE QTY.)	AQUAPORE MOISTURE SYSTEMS	200657	3
DIISOCYANATES	REDUCE MATERIAL USAGE OF THE MD-400 BINDER W711 BROWN DYE CONTAINING DIISOCYANATES BY REDUCING INDIVIDUAL PRODUCT RATES BY 20%.	REDUCE INDIVIDUAL PRODUCT WEIGHTS BY 20%.	AQUAPORE MOISTURE SYSTEMS	200657	5
DIISOCYANATES	REDUCE BINDER DISPOSAL AND SPILLS	BETTER STORAGE AND INVENTORY PRACTICES, AND TRACKING OF RAW MATERIALS. 7/00 - SWITCHED BINDER TO A SYSTEM WITH 60% REDUCTION IN VOC EMISSIONS. NEW SYSTEM HAS TWO PARTS (2 CONTAINERS) AS OPPOSED TO THREE PARTS (3 CONTAINERS) WHICH RESULTS IN FEWER CONTAINERS ON SITE AND STORAGE LOCATIONS, (I.E. FEWER SPILLS).	ME GLOBAL INC.	200079	12
DIISOCYANATES	REDUCE THE AMOUNT OF DIISOCYANATE USED.	SECURE RAFTERS TO ROOF FRAME OF HOUSE BY USING SMALLER AMOUNTS (BEADS) OF DIISOCYANATES RATHER THAN LONG SPRAYED STRIP APPLICATIONS.	PALM HARBOR HOMES-TEMPE	200630	1
DIISOCYANATES	REDUCE AMOUNT OF DIISOCYANATE USED.	RESEARCH USING A BEAD APPLICATION RATHER THAN THE LONG SPRAYED APPLICATION, AND SITUATIONS WHERE IT CAN BE ELIMINATED ALL TOGETHER.	PALM HARBOR HOMES-CASA GRANDE	200631	1
DIMETHOATE	REDUCE PESTICIDE DUST AIR EMISSIONS TO 15% OF THE BASELINE AMOUNT	ADD SECONDARY HEPA (HIGH EFFICIENCY PARTICLE) FILTERS TO FINAL EXAHUST AIR PURIFICATION STAGE	GOWAN CO.	200164	5
DIMETHOATE	REDUCE HAZARDOUS WASTE FROM THE PESTICIDE PVA BAGGING OPERATION (LINERS FROM DRUMS)	BUILD A NEW PROCESSING LINE TO AUTOMATICALLY TRANSFER PRODUCT PNEUMATICALLY FROM THE FORMULATING LINE	GOWAN CO.	200164	6
DIMETHYL DITHIOCARBAMATE	8.2.2 #1: WASTE WATER TREATMENT SLUDGE BUILDINGS A, B AND C: REDUCE TOXIC MATERIAL (DIMETHYL DITHIOCARBAMATE) AND VOLUME OF SLUDGE. LESS TOXIC, MORE EFFICIENT POLYMERIC REDUCING AGENTS WILL BE EVALUATED TO IMPROVE THE DEWATERABILITY OF THE SLUDGE, THEREBY REDUCING VOLUME.	PROCESS MODIFICATION: USE LESS TOXIC, MORE EFFICIENT POLYMERIC REDUCING AGENTS IN PLACE OF DTC (DIMETHYL DITHIOCARBAMATE). USE ROMAR SYSTEM	CONTINENTIAL CIRCUITS	200105	3
DIMETHYLAMINE GAS	REDUCE THE EMISSIONS OF DIMETHYLAIMINE GAS USED AS A CATALYST TO MAKE SAND CASTINGS ** GOAL DROPPED **	CAPTURE THE GAS IN A WET SCRUBBER CONTAINING SULFURIC ACID. SPENT SULFURIC ACID WILL BE SHIPPED BACK TO MANUFACTURER WHO WILL EXTRACT THE GAS	MAGOTTEAUX (CHANDLER)	200080	4
DIMETHYLAMINEBORANE	OXIDE DEPOSITION LINE: ELIMINATE THE USE OF THE BORON BASED CONVERTER.	CONTACT VENDORS FOR APPROPRIATE SUBSTITUTES. OBTAIN SAMPLES FOR EVALUATION. PERFORM PRODUCT EVALUATION. (PRODUCT SUBSTITUTION)	SOUTHBAY CIRCUITS, INC.	200586	1
DIMETHYLFORMAMIDE	REDUCE THE AMOUNT OF DIMETHYLFORMAMIDE USED.	CHOOSE A LESS TOXIC CHEMICAL TO BE USED FOR CLEANING, THEREFORE REDUCING TOTAL ANNUAL USAGE. TRAIN EMPLOYEES ON THIS PROCESS.	NELTEC, INC.	200491	18
DIP TRAY WASTE	DEVELOP PROCESS MODIFICATIONS TO ELIMINATE DRIP TRAY WASTES ON THE ALKALINE ETCH LINE.	HAVE MAINTENANCE FIX LEAKS ON LINE AND DEVELOP PROCESS MODIFICATIONS TO ELIMINATE WASTE GENERATION.	SANMINA - SCI	200669	50
DIPHENYLMETHANE DIISOCYAN	REDUCE/ ELIMINATE INCOMPLETE BURNING OF EXHAUST GASES.	INSTALL MASS FLOW METER.	ATLAS ROOFING CORPORATION	200053	1
DIPHENYLMETHANE DIISOCYANATE	REDUCE USAGE OF DIPHENYLMETHANE DIISOCYANATE BY 10%	APPLY A SMALLER BEAD OF ADHESIVE BY APPLYING MANUALLY WITH HIGH SPEED MIXING GUN AND APPLY AT A FASTER RATE	REDMAN HOMES	200601	1
DIPHENYLMETHANE DIISOCYANATE	ELIMINATE WASTE DIPHENYLMETHANE DIISOCYANATE FROM TANK AND HOSE LEAKS BY 100%	COLLECT AND RETURN TO BULK STORAGE ANY LEAKING FOAMSEAL. REQUIRE FOAMSEAL MANUFACTURER TO SUPPLY HIGHER QUALITY SEALS ON RETURNABLE STORAGE TOTES.	REDMAN HOMES	200601	2
DITHIOCARBAMATE	REDUCE ACID FUME SCRUBBER WASTE WATER EFFLUENT BY 20% BY 12/31/93 AND 40% (184,000 GAL/YR) BY 12/31/94 ***INACTIVE FACILITY***	ALTERNATE CHEMICAL TREATMENT METHOD AND REDUCE FLOW RATE DURING COLD WEATHER; CHANGE FROM STRICTLY CONTINUOUS FLOW TO REDUCED FLOW WITH PERIODIC DRAIN/REFILL MODE OF SCRUBBER OPERATION TREATMENT SYSTEM.	ROGERS CORP-PDD (MESA)	200324	2
DITHIOPHOSPHATE / DOSS	(D) PREVENT CONTAMINATION FROM XANTHATE, DOSS AND DITHIOPHOSPHATE PROCESSES OF SURROUNDING AREAS.	SELECT AND PRIORITIZE TANKS TO RECEIVE SECONDARY CONTAINMENT. IMPLEMENT PROGRAM.	ALKEMIN, S. DE R.L. DE C.V.	200211	4
DRAGOUT REDUCTION	DRAG OUT REDUCTION, REDUCE TANK CONTAMINATION, GENERAL WASTE MINIMIZATION	DEVELOP AND IMPLEMENT A TRAINING PROGRAM (DRAG OUT REDUCTION, PROCESS CONTROL, DIG OUT TANKS, REJECTION AND RE-WORK MINIMIZATION)	METCO METAL FINISHING - PHOENIX	200451	2
DRUMMED WASTE	HAZ WASTE DISPOSAL AND TREATMENT: ON-SITE TREATMENT OF DRUMMED WASTE	EVALUATE ALL DRUMMED WASTE FOR POSSIBLE ON-SITE TREATMENT. ALL DRUMMED WASTE IS PROCESSED THROUGH THE PLANT SITE WASTE TREATMENT SYSTEM	RAYTHEON COMPANY USAF PLANT 44	200184	25

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
DRUMS	REDUCE THE VOL. OF CHEMICAL PLASTIC DRUMS DISPOSED OF BY THE FILLLING DEPARTMENT.	PURCHASE AND STORE SODIUM HYDROXIDE IN BULK STORAGE TANKS AND PIPE TO POINT-OF-USE. 1998 REDUCTION 100% - 87 DRUMS	ABBOTT LABORATORIES	200326	12
DRUMS	REDUCE THE VOL. OF CHEMICAL PLASTIC DRUMS DISPOSED OF BY THE POWDER OPERATIONS DEPARTMENT.	PURCHASE AND STORE FOAM NOX IN A BULK STORAGE TANK. 1998 - 100% REDUCTION - 59 DRUMS	ABBOTT LABORATORIES	200326	13
DRUMS	REDUCE QUANTITY OF DRUMS LANDFILLED BY 30% OVER THE NEXT THREE YEARS.	PURCHASE CHEMICALS IN BULK REUSABLE CONTAINERS, IMPLEMENT EFFICIENT INVENTORY CONTROL MEASURES.	BHP COPPER, SAN MANUEL SMELTING AND REFINING	200226	22
DRUMS (USED)	REDUCE BY 50% THE AMOUNT OF USED DRUMS SENT TO BE RECYCLED IN LOS ANGELES	REUSE DRUMS IN COMMUNITY; LOCAL BUSINESSES AND GOVERNMENT ENTITIES USE DRUMS FOR TRASH AND/OR STORAGE.	MCCULLOCH CORP (LAKE HAVASU)	200234	11
DUST (GRINDERS)	REDUCE THE AMOUNT OF DUST FROM THE GRINDERS	INSTALL VACUUM HOSES DIRECTLY TO THE GRINDERS TO REMOVE DUST IMMEDIATELY	ARIZONA MARBLE INC.	200546	3
DUST	REDUCE DUST EMISSIONS GENERATED AS A RESULT OF THE DEHYDRATION OF MINE TAILING PONDS	THE INVESTIGATION AND IDENTIFICATION OF SUCCESSFUL DUST EMISSION CONTROL METHODS FOR POSSIBLE IMPLEMENTATION, INCLUDING THE ADDITION OF SOIL AMENDMENTS SUCH AS MAGNESIUM CHLORIDE	BHP COPPER, SAN MANUEL SMELTING AND REFINING	200226	26
DUST (GRINDING)	REDUCE PARTICULATES AND DUST FROM GRINDING.	IMPROVE BOOTH CONTAINMENT BY ENCLOSING AND ENLARGING BOOTH; INSTALL A POINT CAPTURE VACUUM SYSTEM.	DESERT SUN FIBERGLASS SYSTEMS	200551	4
DUST (GRINDING)	CREATION OF GRINDING BOOTH FOR WIZARDS: REDUCE AIRBORNE PARTICULATES (GRINDING DUST) FROM THE SMALL PARTS FINISHING PROCESS.	REPLACE THE EXISTING BAGHOUSE DUST COLLECTOR WITH A 32 INCH EXHAUST FAN AND FILTERS. THIS WILL INCREASE THE AIR MOVEMENT CAPACITY THROUGH THE SPRAY GUARD 3200 AIR FILTERS, CREATING A THREE WALLED CONTAINED BOOTH AREA.	DESERT SUN FIBERGLASS SYSTEMS	200551	5
DUST (GRINDING)	CREATION OF TANK BOOTH: REDUCE AIRBORNE PARTICULATES (GRINDING DUST) FROM THE TANK PARTS FINISHING PROCESS.	(1) IMPROVE DESIGN OF TANK PARTS BOOTH #7 BY ADDING APRONS AND DOORS TO INCREASE THE FACE VELOCITY AND AIR MOVEMENT. (2) MOVE PROCESS OF TANK TRIMMING AND ROUTER WORK INTO THE IMPROVED BOOTH.	DESERT SUN FIBERGLASS SYSTEMS	200551	6
DUST	REDUCE FUGITIVE DUST	INSTALL DUST CATCHER ON SPRAY BOOTH	DISTINCTIVE MARBLE	200496	13
DUST	REDUCE THE GENERATION OF ELECTRIC ARC FURNACE FUME DUST WHICH WILL LEAD TO REDUCED HAZARDOUS WASTE SENT TO LANDFILL	INSTALLED A LIME AND SODA ASH INJECTION SYSTEM TO INCREASE THE pH OF FUME DUST AND ADD CEMENT TO THE DUST TO STABILIZE THE DUST (PREVENT LEACHING) PRIOR TO LANDFILLING	MAGOTTEAUX (CHANDLER)	200080	1
DUST (GRINDING)	ELIMINATE THE DUST GENERATED FROM THE GRINDING AND BUFFING OF THE CULTURED MARBLE PRODUCTS.	EVALUATE THE FEASIBILITY OF PURCHASING AND INSTALLING A WATER FILTRATION SYSTEM	MARLAM INDUSTRIES, INC.	200532	4
DUST (MARBLE)	REDUCE MARBLE GRINDING DUST IN AIR. THE DUST IS CREATED FROM GRINDING THE BACKS OF FINISHED MARBLE. MOST GRINDING OCCURS IN THE GRINDING BOOTH.	DROPPED - INSTALL VACUUM (COLLECTOR) ON HAND-HELD GRINDERS USED OUTSIDE. ADDED 7/2002 - MODIFY BOOTH TO ACCOMODATE ADDITIONAL GRINDING SPACE, PURCHASE AND INSTALL AUTOGRINDER DESIGNED SPECIFICALLY FOR OUR USE WHICH WOULD REQUIRE EXTENSIVE REAL PROPERTY MODIFICATION.	MESA FULLY FORMED	200241	11
DUST	LAMINATE FINISH FABRICATION: REDUCE DUST AT DUST COLLECTORS.	DROPPED - INVESTIGATE ALTERNATIVE TYPE OF DUSTLESS BAG. ADDED - INVESTIGATE AVAILABILITY OF IMPERMEABLE BAGS OR BAG ENCLOSURE.	MESA FULLY FORMED	200241	17
DUST (MARBLE)	REDUCE DUST PARTICLES IN FINISHING AREA OF MARBLE SHOP.	INSTALL A DUST COLLECTING BOOTH	MESA FULLY FORMED	200241	3
DUST PARTICLES	REDUCE DUST PARTICLES IN THE AIR BY EXPERIMENTING WITH VARIOUS MAINTENANCE SCHEDULES FOR REPLACING AIR FILTERS.	REDUCE DUST PARTICLES IN THE AIR BY EXPERIMENTING WITH VARIOUS MAINTENANCE TIME SCHEDULES TO REPLACE AIR FILTERS.	MOUNTAIN MARBLE MFG., INC.	200548	4
DUST PARTICLES	REDUCE THE AMOUNT OF FINE DUST EMITTED FROM THE CYCLONE DUST COLLECTORS AND SAWING OPERATIONS.	INSTALL FABRIC FILTER BAGS AT THE OUTLET OF ALL DUST COLLECTORS. "FILTRATION"	MUNTERS CORPORATION	200261	1
DUST (BAGHOUSE)	REDUCE THE POTENTIAL FOR FUGITIVE DUST RELEASES DURING THE UNLOADING OPERATION.	INSTALL NEW/ LARGER BAGHOUSES ON OUR UNLOADING STORAGE SILOS.	OWENS CORNING ELOY PLANT	200543	8
DUST AND PARTICULATES	REDUCE FUGITIVE EMISSIONS FROM COARSE ORE STOCKPILE. (GOAL 1, PROCESS AREA 5).	INSTITUTE PERMANENT METHODS AND PROCEDURES FOR PREVENTION AND CONTROL. ADD WATER CANNON SPRAYS TO UNDERSIDE OF TRUCK DURING DUMPING. CONSTRUCT A WIND BARRIER AROUND STOCKPILE. INSTALL SPRINKLER SYSTEM TO THE WORKING FACE OF STOCKPILE OR HAUL ROADS. DOUSE HAUL TRUCKS WITH WATER PRIOR TO OFF-LOADING TO PRIMARY CRUSHER.	PHELPS DODGE SIERRITA, INC.	200694	5
DUST (BAGHOUSE)	REDUCE DISPOSAL OF DUST FROM DRY BLEND OPERATION CAPTURED BY THE BAGHOUSE VACUUM CLEANER. **DROPPED**	DETERMINE THE MOST FEASIBLE AND ECONOMICAL METHOD TO RECYCLE DUST; ADD MATERIAL TO VIRGIN V-6210-G JACKETING COMPOUND.	SOUTHWIRE COMPANY	200151	6

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
EBR	CONTINUE EBR REDUCTION - PROCESS CHANGE.	1. CHANGE APPLICATION TECHNIQUE, ALL COATERS. 2. NEWER COATERS INCORP. IMPROVED DESIGN. 3. "OPTICAL EBR" PROPOSED FOR EXPOSURE UNITS 10+ @ TEMPE FAB 2. 1996 OPTICAL EBR INSTALLED ON EXPOSURE UNIT #9; PILOT START UP CONTINUES. 1997: OPTICAL EBR OPERATIONAL ON EXPOSURE UNIT #9. PROCESS QUALIFICATION STARTED.	HONEYWELL ENGINES (FORMERLY ALLIEDSIGNAL ENGINES)	200144	16
EBR	CONTINUE EBR REDUCTION - EVALUATE ALTERNATIVE EBR FORMULATION WHICH HAS A FLASH POINT ABOVE 140 DEGREES F.	EVALUATE ALTERNATIVE EBR FORMULATION WHICH HAS A FLASH POINT ABOVE 140 DEGREES F.	MICROCHIP TECHNOLOGY-CHANDLER	200247	14
EDTA	ELIMINATE FORMALDEHYDE AND EDTA IN THE PLATING PROCESS.	REPLACE THE ELECTROLESS COPPER PROCESS WITH A DIRECT PLATING PROCESS.	EVERETT CHARLES TECHNOLOGIES STG	200131	12
EFFLUENT	REUSE 100% OF EFFLUENT CREATED IN PAPERMAKING.	CONSTRUCT A BIOMASS PLANTATION; IRRIGATE PLANTATION WITH EFFLUENT	ABITIBI CONSOLIDATED SALES CORPORATION	200361	1
EFFLUENT	REDUCE 100% EFFLUENT IN PAPER MAKING.	ELIMINATE EFFLUENT STORAGE IN DRY LAKE BY TRANSFERING TO EFFLUENT STORAGE POND TO BE USED IN BIOMASS PROJECT.	ABITIBI CONSOLIDATED SALES CORPORATION	200361	2
EFFLUENT	REUSE 100% EFFLUENT IN PAPERMAKING.	OPTIMIZE EFFLUENT APPLICATION RATES AND BIOMASS SPECIES SELECTION.	ABITIBI CONSOLIDATED SALES CORPORATION	200361	3
EFFLUENT	REUSE 100% EFFLUENT IN PAPER MAKING.	REDUCE TOTAL METALS CONSTITUENTS TO INCREASE UPTAKE OF EFFLUENT.	ABITIBI CONSOLIDATED SALES CORPORATION	200361	4
ELECTRICITY	REDUCE ELECTRIC POWER CONSUMPTION BY 10% PROPORTIONATE TO PRODUCTION LEVELS PLANT WIDE.	EVALUATE AND MONITOR CURRENT USE. RESEARCH METHODS AND EQUIPMENT. INSTALL MORE EFFICIENT EQUIPMENT AS OLD ONES FAIL. SEEK ALTERNATIVE WAYS TO ACCOMPLISH SAME TASKS.	ABRAMS AIRBORNE MFG	200003	9
ELECTRICITY	REDUCE FACILITY ELECTRICAL (ENERGY) USE BY 5% ON AN ANNUAL BASIS.	IMPLEMENT TRAINING PROGRAM FOR EMPLOYEES TO BE MORE CONSCIOUS ABOUT TURNING LIGHTS OFF IN UNUSED OFFICE, CONFERENCE ROOMS AND MANUFACTURING/WAREHOUSE AREAS WHEN NOT NEEDED. TURN OFF PUMPS WHEN TANKS DO NOT REQUIRE CIRCULATION. UPGRADE THE PROCESS CHILLER CONTROL SYSTEM TO MINIMIZE POWER CONSUMPTION. INSTALL AUTOMATIC OVERHEAD DOORS TO MINIMIZE TIME DOORS OPEN TO OUTSIDE FORKLIFT TRAFFIC.	ARCH CHEMICALS, INC.	200608	17
ELECTRICITY	REDUCE ELECTRICITY CONSUMPTION BY 20%.	BY IMPLEMENTING AN ENERGY CONSERVATION PLAN FOR OFFICE LIGHTING, COMPUTERS, PRODUCTION EQUIPMENT AND AIR CONDITIONING UNITS INCLUDING USE OF MOTION ACTIVATED SWITCHES IN PERIODIC USE AREAS. ALSO, REPLACEMENT OF ELECTRIC TOOLS W/ PNEUMATIC OR HYDRAULIC TOOLS WHERE POSSIBLE.	BOC GASES	200020	11
ELECTRICITY	REDUCE ELECTRICAL CONSUMPTION IN THE ELECTROFORMING PROCESS BY 5%.THE COPPER FOIL ELECTROPLATING PROCESS CONSUMES LARGE AMOUNTS OF ELECTRICITY.	DETERMINE THE EFFECT ON FOIL QUALITY BY SYSTEMATICALLY REDUCING THE ANODE/CATHODE GAP.	GOULD ELECTRONICS, INC.	200163	24
ELECTRICITY	REDUCE ENERGY USAGE BY 17%.	REDUCE ENERGY USAGE THROUGH THE REPAIR AND REPLACEMENT OF POORLY PERFORMING LASER MACHINE PARTS.	JOHNS MANVILLE INTERNATIONAL INC.	200227	17
ELECTRICITY	REDUCE ELECTRICAL USE THROUGH INSTALLING VARIABLE FREQ. DRIVES ON PLANT EQUIP.	INSTALL VFDs ON MOTORS	ME GLOBAL INC.	200079	8
ELECTRICITY	REDUCE CIRCUIT BOARD RESTARTS BY 5% PER YEAR. REDUCE RESTARTS FROM THE CURRENT 20% TO 15% BY 12/2001 AND TO 10% BY 12/2002. RESTARTS ARE PRODUCTS THAT FAIL TO PASS THE PRODUCT SPECS. REDUCING RESTARTS REDUCES ENERGY, WATER, CHEMICALS, WASTES AND BY PRODUCTS.	DEFINE THE INPUTS AND OUTPUTS OF RE-STARTING A BOARD AND IMPROVE THE EFFECTIVENESS OF THE PRODUCTION PROCESSES THROUGH MANAGEMENT SYSTEMS, PROCESS CONTROLS, ETC.	MOSAIC PRINTED CIRCUITS, LLC. (QUALITY PRINTED CIRCUITS)	200513	10
ELECTRICITY	ROOM HUMIDIFIERS: REDUCE WATER USAGE AND ELECTRICAL POWER CONSUMPTION	USE AUTOMATIC SHUT DOWN OF INDIVIDUAL ROOM HUMIDIFIERS WHEN NOT IN USE; INSTALL SIMPLE RELAY LOGIC TIED TO ROOM LIGHTING	NELTEC, INC.	200491	3
ELECTRICITY	REDUCE ELECTRICITY USAGE IN THE FACILITY 1) REVIEW MAINTENANCE PROCEDURES 12/31/1998 2) REVIEW OPERATIONAL PROCEDURES 12/31/1998 3) DEVELOP IMPROVED PROCEDURES 12/31/2000 4) INSTRUCT EMPLOYEES 12/31/2001.	IMPROVE MAINTENANCE AND OPERATIONAL PROCEDURES. BASELINE QUANTITY: 720 KWH/TONS. THE AVERAGE FOR 6/98-12-98 IS 688 KWH/TON OF STEEL PRODUCED. THIS IS A 32 KWK/TON REDUCTION; HOWEVER, WE CONTINUE TO REDUCE THIS NUMBER.	NORTH STAR STEEL ARIZONA	200615	1
ELECTRICITY	REDUCE THE AMOUNT OF ENERGY USED TO MANUFACTURE INSULATION IN OUR PROCESS	REPLACE TRANSFORMERS WITH MORE EFFICIENT STATE OF THE ART TRANSFORMERS	OWENS CORNING ELOY PLANT	200543	1
ELECTRICITY	REDUCE ENERGY CONSUMPTION.	BY IMPROVING THE CONDUCTIVITY OF OUR ELECTRICAL CONNECTIONS, BETTER ELECTRICAL MELTING EFFICIENCY WILL OCCUR.	OWENS CORNING ELOY PLANT	200543	5
ELECTRICITY	REDUCE THE USE OF ELECTRICAL POWER AS KWH.	INSTALL A COMPUTER CONTROLLED ENERGY MANAGEMENT SYSTEM TO SHUT DOWN LIGHTS AND SERVICE IN DESIGNATED AREAS WHEN NOT IN USE. INCLUDE THE USE OF OCCUPANCY SENSORS TO DETERMINE USAGE. ESTABLISH EQUIPMENT CALIBRATION CYCLES FOR PM. INSTALL VARIABLE VOLUME ELECTRIC MOTORS TO REDUCE LOADS. INSTALL A THERMAL STORAGE SYSTEM TO USE OFF-PEAK POWER.	THE BOEING COMPANY	200238	43
ELECTROLESS COPPER	REDUCE VOC EMISSIONS FROM ELECTROLESS COPPER LINE	BY EVALUATING LOW OR NO VOC ALTERNATIVE CHEMISTRIES.	SANMINA - SCI	200669	13

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
ELECTROLESS NICKEL	DETERMINE FEASIBILITY OF IN-LINE FILTERS TO EXTEND BATH LIFE ON THE IMMERSION GOLD LINE.	BY INVESTIGATING THE OPPORTUNITY TO PUT IN-LINE FILTERS ON ALL APPROPRIATE BATHS.	SANMINA - SCI	200669	54
EMISSIONS (DUST)	REDUCE AIR EMISSIONS IN THE COATING COMPOUND AREA	INSTALL A DUST COLLECTOR WITH A 99.99% EFFICIENCY TO REPLACE WATERFALL SCRUBBERS	CHROMIZING ARIZONA	200095	11
EMISSIONS (METH.CHLORIDE)	REDUCE RELEASES OF METHYLENE CHLORIDE ***INACTIVE FACILITY***	INSTALL PRESSURE DELIVERY SYSTEM AND RETURN SYSTEM IN MOBILE LAB	CORONADO ENGINEERING AND CONSULTING	200507	3
EMISSIONS	REDUCE FUEL CONSUMPTION AND HYDROCARBON EMISSIONS FROM GAS-POWERED LIFTS.	INSTALL FIXED AND PORTABLE NON-MOTORIZED SCAFFOLDING.	EVERGREEN AIR CENTER. INC	200138	6
EMISSIONS (AIR FUGITIVE)	REDUCE AIR EMISSIONS FROM THE BAITS AND GRANULAR PRODUCTS PROCESS AND THE WETTABLE POWDERS PRODUCTION LINE	INSTALL A NEW BAGHOUSE. REPLACE MIRCOPULL FILTER WITH "FARRPACK" AND ADD A HEPA FILTER IN THE VACUUM SYSTEM	GOWAN CO.	200164	7
EMISSIONS - CHROMIUM, COBALT, NICKEL	REDUCE EMISSIONS FROM THE LASER DRILLING PROCESS.	REPLACE SOME LASERS WITH ELECTRON BEAM DRILLING PROCESS.	JOHNS MANVILLE INTERNATIONAL INC.	200227	20
EMISSIONS	TRAVEL REDUCTION TO REDUCE VEHICULAR AIR EMISSIONS	REDUCE BY 5% THE NUMBER OF SINGLE-OCCUPANCY VEHICLE COMMUTES	LITTON ELECTRO - OPTICAL SYSTEMS	200218	7
EMISSIONS	REDUCE AIR POLLUTANTS BY REDUCING EMPLOYEE VEHICLES OPERATED.	SPONSOR A TRAVEL REDUCTION PROGRAM; OFFER NON-STANDARD WORK HOURS; INCENTIVES FOR CARPOOLING, BIKE RIDING AND WALKING; WORK WITH CITY OF MESA ON SPECIAL BUS ROUTES.	THE BOEING COMPANY	200238	17
EMSSIONS (FUGITIVE AIR)	REDUCE PESTICIDE DUST AIR EMISSIONS BY A FACTOR OF 3000	PROCESS LINE REBUILT WITH 2ND HEPA FILTER ADDED AS FINAL EXHAUST AIR PURIFYING STAGE.	GOWAN CO.	200164	10
ENDOSULFAN	REDUCE PESTICIDE DUST AIR EMISSIONS TO 15% OF THE BASELINE AMOUNT	ADD SECONDARY HEPA (HIGH EFFICIENCY PARTICLE) FILTERS TO FINAL EXAHUST AIR PURIFICATION STAGE	GOWAN CO.	200164	5
ENDOSULFAN	REDUCE HAZARDOUS WASTE FROM THE PESTICIDE PVA BAGGING OPERATION (LINERS FROM DRUMS)	BUILD A NEW PROCESSING LINE TO AUTOMATICALLY TRANSFER PRODUCT PNEUMATICALLY FROM THE FORMULATING LINE	GOWAN CO.	200164	6
ENERGY CONSUMPTION	REDUCE ENERGY CONSUMPTION	INSTALL MOTION SENSOR LIGHTS & PHOTO CELL CONTROL LIGHTS TO REPLACE NIGHT LIGHT SYSTEM	ARIZONA CASTINGS, INC.	200477	5
ENERGY CONSUMPTION	FACILITIES 5C: INSTALL VARIABLE SPEED DRIVES ON COOLING TOWER FANS	ACTIONS 1-2: EVALUATE ALTERNATIVES; INSTALLATION	CYTECFIBERITE	200185	20
ENERGY CONSUMPTION	FACILITIES 5E: INSTALL VARIABLE SPEED DRIVES ON BUILDING B COOLING TOWER	ACTIONS 1-2: EVALUATE ALTERNATIVES; INSTALLATION	CYTECFIBERITE	200185	22
ENERGY CONSUMPTION	FACILITIES 5F: INSTALL LIGHTING CONTROLS IN AREAS NOT CONTINUALLY OCCUPIED	ACTIONS 1-3: EVALUATE ALTERNATIVES; TRIAL INSTALLATION; INSTALLATION	CYTECFIBERITE	200185	23
ENERGY CONSERVATION	REDUCE ENERGY CONSUMPTION FACILITY WIDE.	DEVELOP AND IMPLEMENT TRAINING FOR EMPLOYEES TO MAKE THEM AWARE OF THE IMPORTANCE OF TURNING OFF LIGHTS AND EQUIPMENT WHEN NOT IN USE.	DELTA & PINE LAND CO	200119	11
ENERGY	REDUCE PLANT ENERGY CONSUMPTION THROUGH THE USE OF HIGH EFFICIENCY EQUIPMENT.	REPLACE MOTORS, LIGHTS, ETC WITH HIGH EFFICIENCY EQUIPMENT AND IMPLEMENT AN ENERGY CONSERVATION PROGRAM.	GANNON & SCOTT PHOENIX, INC.	200168	11
ENERGY CONSERVATION	INCREASE WATER QUALITY AT A REDUCED COST	REPLACE CURRENT R/O WATER PRODUCTION PLANT WITH THREE NEW DUAL PASS THIN FILM COMPOSITE TECHNOLOGY AND DEMONSTRATE THAT THERE IS NO NEED FOR DI BOTTLES USE MORE EFFICIENT MOTORS AND MEMBRANE TECHNOLOGY	GOULD ELECTRONICS, INC.	200163	12
ENERGY CONSUMPTION	REDUCE AIR POLLUTION BY COAL-FIRED POWER PLANT BY GENERATING OWN ELECTRIC POWER WITH A NATURAL GAS POWERED GENERATOR.	REPLACE COMMERCIAL ELECTRIC POWER WITH ELECTRIC POWER GENERATED WITH NATURAL GAS	GOWAN CO.	200164	11
ENERGY CONSUMPTION	CONSERVE 4% OF 1998 ENERGY USAGE.	SEE AMENDMENT SUBMITTAL FOR LISTING OF ENERGY CONSERVATION PROJECTS.	IBM CORPORATION	200194	15
ENERGY CONSUMPTION	REDUCE ANNUAL AVERAGE ELECTRIC CONSUMPTION BY AVERAGE OF 4% PER YEAR.	SHUT DOWN NON-ESSENTIAL BUILDING AIR HANDLER MOTORS; CHANGED OFFICE LIGHTING TO HIGH EFFICIENCY	IMATION CORPORATION	200001	5
ENERGY CONSUMPTION	REDUCE ENERGY USE (EXCESSIVE USE OF AIR COMPRESSOR DUE TO LINE LEAKS) ***INACTIVE FACILITY***	REPLACE UNDERGROUND AIR PIPING WITH ABOVE GROUND, REPAIR LEAKS	IRONITE PRODUCTS COMPANY	200196	3

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
ENERGY CONSUMPTION	REDUCE PEAK ELECTRICITY DEMAND	SCHEDULE 30% OF OPERATIONS TO OFF PEAK PERIODS	MAGOTTEAUX (CHANDLER)	200080	2
ENERGY CONSUMPTION	8.O.I: INVESTIGATE THE USE OF PROGRAMABLE THERMOSTATS TO REDUCE ENERGY CONSUMPTION. **GOAL DROPPED**	STUDY THE COST SAVINGS OF PROGRAMMABLE THERMOSTATS; REPLACE MANUALLY OPERATED THERMOSTATS WITH PROGRAMMABLE TYPES. **GOAL DROPPED**	MCCULLOCH CORP (LAKE HAVASU)	200234	9
ENERGY CONSUMPTION	DETERMINE PLANT ENERGY CONSUMPTION PER POUND OF PRODUCT FOR 1992	ESTABLISH ENERGY CONSUMPTION BASELINE; IMPROVE MAINTENANCE PROCEDURES ON NG BURNING EQUIPMENT. (0.646kWh/lb for 1992)	MINEREC MINING CHEMICALS	200471	14
ENERGY CONSUMPTION	DETERMINE PLANT ENERGY CONSUMPTION PER POUND OF PRODUCT FOR 1993	ESTABLISH ENERGY CONSUMPTION BASELINE; IMPROVE MAINTENANCE PROCEDURES ON NG BURNING EQUIPMENT.	MINEREC MINING CHEMICALS	200471	15
ENERGY CONSERVATION	REDUCE ELECTRICAL POWER USE BY 10% (SUPPLY SIDE AS WELL AS THE ELECTRICAL POWER DEMAND SIDE).	EXPLORE WAYS TO REDUCE AND CONSERVE ELECTRICITY BY CONDUCTING ENERGY AUDITS AND IMPLEMENTING MANAGEMENT PRACTICES (SHUT DOWN SYSTEMS WHEN NOT IN USE).	MOSAIC PRINTED CIRCUITS, LLC. (QUALITY PRINTED CIRCUITS)	200513	12
ENERGY CONSERVATION	REDUCE ELECTRICITY CONSUMPTION.	IMPLEMENT AN ENERGY CONSERVATION PLAN FOR OFFICE LIGHTING, COMPUTERS, AND AIR CONDITIONING UNITS.	MOTOROLA - MESA	200255	11
ENERGY CONSUMPTION	REDUCE ENERGY CONSUMPTION REQUIRED FOR LIGHTING.	REPLACE ALL REMAINING MAGNETIC BALLASTS WITH ELECTRONIC BALLASTS	MOTOROLA-TEMPE	200259	13
ENERGY CONSUMPTION	REDUCE ENERGY USED DUE TO LEAVING LIGHTS ON.	INSTALL OCCUPANCY SENSORS THAT AUTOMATICALLY TURN OFF LIGHTS WHEN PEOPLE ARE NOT PRESENT.	MOTOROLA-TEMPE	200259	8
ENERGY CONSUMPTION	REDUCE ENERGY CONSUMPTION	INSTALL AIR SHUT-OFF VALVE FOR LATEX AIR PUMP TO ACHIEVE ENERGY SAVINGS	MURCO WALL PRODUCTS, INC	200262	4
ENERGY CONSUMPTION	REDUCE ENERGY CONSUMPTION	REPAIR LEAKS AND REMOVE OR PLUG UNUSED COMPRESSED AIR SYSTEMS TO ACHIEVE ENERGY SAVINGS	MURCO WALL PRODUCTS, INC	200262	6
ENERGY CONSUMPTION	REDUCE ENERGY CONSUMPTION IN MOTOR OPERATED EQUIPMENT.	INSTALL ELECTRONIC CONTROLLERS TO REPLACE HARD WIRED ONES; REPLACE EXISTING MOTORS AND LIGHTS WITH ENERGY EFFICIENT ONES.	NESTLE PURINA PETCARE CO (FKA RALSTON PURINA CO)	200310	4
ENERGY CONSUMPTION	REDUCE ENERGY CONSUMPTION FOR OUTSIDE LIGHTING AT THE SMELTER AREA BY 40%	INSTALL AND UTILIZE PHOTOELECTRIC CELLS TO CONTROL OUTSIDE ARTIFICIAL LIGHTING	PHELPS DODGE MIAMI INC.	200115	31
ENERGY CONSUMPTION	REDUCE PROCESS USAGE OF ELECTRICITY AT THE SMELTER ELECTRIC FURNACE BY 8%.	UTILIZE OFF-PEAK HOURS FOR ELECTRIC USE AND MINIMIZE PEAK HOUR SALE.	PHELPS DODGE MIAMI INC.	200115	32
ENERGY CONSUMPTION	REDUCE ENERGY CONSUMPTION AT THE MATERIAL INVENTORY DISTRIBUTION CENTER (MIDC) BY 5%.	INSTALL AND UTILIZE SKYLIGHTS AND STAGED LIGHTING	PHELPS DODGE MIAMI INC.	200115	33
ENERGY CONSUMPTION	ADMINISTRATIVE SERVICES: FLOURESCENT LIGHTING UPGRADES	CONTINUE WITH LIGHTING UPGRADES AT ABOUT 10% OF THE LEVEL OF 1991 WORK. LOOK FOR NON-HAZ SUBSTITUTE FOR FLOURESCENT LIGHTS RECYCLE LIGHTS	RAYTHEON COMPANY USAF PLANT 44	200184	33
ENERGY CONSERVATION	REDUCE ENERGY USE.	1A. INSTALL MOTION SENSORS (3 PER YEAR). 1B. CHANGE TO HIGH EFFICIENCY LIGHTING (10% EACH YEAR). 1C. INSTALL PROGRAMMABLE THERMOSTATS (3 PER YEAR FOR THE NEXT 3 YEARS). 1D. GEO AND LEMBO INSPECTION LIGHTS TO TURN OFF WHEN NOT IN USE (ONE COATING LINE PER YEAR).	ROGERS CORP. ADV-CIRCUIT MAT'LS DIV	200461	11
ENERGY CONSERVATION	REDUCE ENERGY USAGE IN CHILLER OPERATIONS.	REACTIVATE PLATE-TYPE HEAT EXCHANGER TO SERVICE A,Z BUILDING 1) CLEAN PLATE HEAT EXCHANGER 2) VALVE OFF A,Z BUILDING FROM PRIMARY CHILLERS 3) ACTIVATE HEAT EXCHANGER 4) INCREASE TEMPERATURE ON RETURN LOOP.	SCI,L.L.C (ON SEMICONDUCTOR)	200726	10
ENERGY CONSERVATION	ENERGY CONSUMPTION: REDUCE SITE ELECTRICITY NEEDS BY 8%.	INSTALL A HIGH EFFICIENCEY CHILLED WATER PLANT.	STMICROELECTRONICS, INC.	200585	20
ENERGY CONSERVATION	REDUCE ELECTRICITY CONSUMPTION ON THE SITE BY 3%.	INSTALL VARIABLE FREQUENCY DRIVES ON FAN TOWERS TO IMPROVE OPERATIONAL EFFICIENCY.	STMICROELECTRONICS, INC.	200585	21
ENERGY	REDUCE ELECTRICITY CONSUMPTION OF THE SITE BY 6%.	UTILIZE WASTE WATER FOR PRECOOLING AND PREHEATING OF MAKE-UP AIR HANDLERS INSTEAD OF BOILERS.	STMICROELECTRONICS, INC.	200585	22
ENERGY	REDUCE ENERGY USE BY 30% PER YEAR.	CHANGE OUT LAMP BALLASTS AND RELAMP ALL FLUORESCENT FIXTURES USING ENERGY REDUCING COMPONENTS.	THE LARSON COMPANY	200215	24
ENERGY	REDUCE POWER CONSUPTION IN KILN ROOM BY 80%	REPLACE OLDER HARPER PUSHER KILN WITH SMALLER, MORE EFFICIENT BATCH KILNS. PURCHASE AND INSTALL EQUIPMENT	TUSONIX INC.	200402	8

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
ENERGY CONSUMPTION	REDUCE ENERGY USE BY 1.3 KBTU PER SQ. FT. OF BUILDING SPACE EACH YEAR. (1) NEW APPLIANCES AND EQUIPMENT INSTALLED WILL BE ENERGY EFFICIENT MODELS. (2) WEATHERIZATION OF BUILDINGS WILL BE COMPLETED AS FUNDING IS IDENTIFIED. (3) ENERGY EFFICIENCY WILL BE A FACTOR IN CONSTRUCTION OF NEW FACILITIES. (4) CONDUCT A MANPOWER AND MOTION STUDY TO IDENTIFY WASTED OR INEFFECTIVE USE OF RESOURCES. (5) ENERGY CONSERVATION AWARENESS EDUCATION OF PERSONNEL AND RESIDENTS AT YPG WILL BE ON-GOING PROJECT.	USE MODERN PRACTICES, NEW TECHNOLOGY AND EDUCATION TO CONSERVE ENERGY. REPLACE OUTDATED EQUIPMENT WITH MORE ENERGY EFFICIENT MODELS.	U.S. ARMY - YUMA PROVING GROUND	200406	11
ENERGY CONSERVATION	REDUCE ENERGY CONSUMPTION BY REDUCING THE TOTAL FLUORESCENT TUBES BY 25% AT THE CANNON AIR DEFENCE COMPLEX.	REPLACE OLD LIGHT FIXTURES WITH MORE EFFICIENT LIGHT FIXTURES THEREBY REDUCING THE FLUORESCENT TUBES BY 25%.	U.S. MARINE CORPS - YUMA AIR STATION	200407	14
ENERGY CONSERVATION	REDUCE ENERGY CONSUMPTION BY INSTALLING DAYLIGHTING SYSTEMS IN BUILDINGS WHICH WILL REDUCE THE USE OF FLUORESCENT LIGHTING OR HIGH BAY LIGHTING.	INSTALL DAYLIGHTING SYSTEMS TO REDUCE THE NEED FOR CONVENTIONAL LIGHTING.	U.S. MARINE CORPS - YUMA AIR STATION	200407	20
ENERGY CONSERVATION	REDUCE THE FLUORESCENT TUBES USE BY 25% IN VARIOUS BUILDINGS AROUND THE BASE.	REPLACE OLD FLUORESCENT TUBE LIGHTING FIXTURES WITH MORE EFFICIENT T-8 LIGHTING FIXTURES THEREBY REDUCING FLUORESCENT TUBE USAGE AND POWER CONSUMPTION.	U.S. MARINE CORPS - YUMA AIR STATION	200407	24
ENERGY CONSUMPTION	REDUCE ENERGY CONSUMPTION	INSTALL DAY LIGHTING SYSTEMS IN THIRTEEN BUILDINGS, REDUCING THE NEED FOR CONVENTIONAL LIGHTING; THEREFORE REDUCING ENERGY CONSUMPTION	U.S. MARINE CORPS - YUMA AIR STATION	200407	26
ENERGY CONSUMPTION	REDUCE ENERGY CONSUMPTION AND MEET THE DEPARTMENT OF THE ARMY OR TRADOC ENERGY USE REDUCTION GOALS.	ADD FULL TIME ENERGY STAFF, ACTIVATE ENERGY MONITORING PROGRAM; ESTABLISH SURVEY TEAM; PURSUE FUNDING; PERFORM ANALYSIS.	U.S. ARMY - FORT HUACHUCA	200404	6
ENERGY CONSERVATION	REDUCE ENERGY USE (BTU / SQ FT) BY 30%. 7/2000: BASELINE QUANTITY 101.19 BTU/SQFT, MEASURED REDUCTION QUANTITY IN JUNE 1999 = 99.45 BTU/SQFT.	SOLAR HOT WATER HEATING PROJECT FOR HOSPITAL. LARGE SCALE IMPLEMENTATION OF SOLAR HOT WATER HEATERS FOR HOUSING UNITS. USE PHOTOVOLTAIC AND SOLAR THERMAL ELECTRICAL POWER GENERATION.	U.S. ARMY - FORT HUACHUCA	200404	8
ENERGY CONSUMPTION	REDUCE USE OF ELECTRICITY BY IMPLEMENTING EFFECTIVE ENERGY CONSERVATION PROCEDURES IN ADMINISTRATION LABORATORY & MAINTENANCE SHOP	LIGHTS OFF WHEN NOT USED; COOLING HEATING TEMPERATURE SETTINGS REVIEW; REPLACE OR CLEAN AIR FILTERS REGULARLY; OPERATE LAB HOODS ONLY WHEN REQUIRED; USE CLEAN LAB SMOCKS ONLY WHEN NECESSARY	WORLD RESOURCES COMPANY	200440	1
ENERGY CONSUMPTION	REDUCE ENERGY CONSUMPTION	OPTIMIZE OUTDOOR LIGHTING, REQUEST AN ENERGY AUDIT, BUILD A NEW OFFICE/LAB WHICH IS MORE ENERGY EFFICIENT OPTIMIZE LAB EQUIPMENT	WORLD RESOURCES COMPANY	200440	8
EP4000	REDUCE THE AMOUNT OF EP4000 SOLUTION THAT LEAVES THE TANK (DRAGOUT) BY 25%.	IMPLEMENT A CHANGEOUT IN PARTS RACKING AND TRAIN OPERATORS IN PROPER RACKING, HANDLING AND RINSING TECHNIQUES TO REDUCE DRAGOUT.	OTI METAL FINISHING	200689	1
EPOXY ADHESIVE SOLVENT	REDUCE THE USE OF MEK AS A CLEANUP SOLVENT IN THE ROLL COATING AREA.	IDENTIFY AREAS FOR SOURCE REDUCTION OF MEK.	HEXCEL CORPORATION	200464	10
EPOXY POLYURETHANE PAINT	REDUCE THE QUANTITY OF EPOXY POLYURETHANE PAINT WASTED FROM AIRCRAFT PAINTING OPERATIONS.	UNDERTAKE A THOROUGH STUDY TO IDENTITY VIABLE ALTERNATIVE TECHNOLOGIES TO POLYURETHANE PAINT FOR AIRCRAFT: COORDINATE WITH OTHER SIMILAR AIR FORCES INITIATIVES.	U.S.A.F. - LUKE	200409	20
ETCH - AMMONIUM FLORIDE, HCL, WATER	REDUCE THE OVERALL USE OF BUFFERED OXIDE ETCH WHICH IS A MIXTURE OF AMMONIUM FLUORIDE, HYDROCHLORIC ACID AND WATER.	EVALUATE THE CURRENT PROCESSES THAT USE BUFFERED OXIDE ETCH MIXTURES, DETERMINE WHICH PROCESS MIGHT BE COMBINED, CONDUCT A COST ANALYSIS, EXPERIMENT WITH COMBINING THE PROCESSES INTO FEWER PROCESSES WHICH USE THE SAME MIXTURE, CONDUCT EXPERIMENTS USING TEST WAFERS, QUALIFY PRODUCT FOR CUSTOMERS AND CONVERT TO NEW PROCESS.	SCI,L.L.C (ON SEMICONDUCTOR)	200726	12
ETHANOL	REDUCE VOC EMISSIONS BY 35% FROM THE SHELL COATING OPERATION.	ELIMINATE THE ETHANOL BASED SHELL USED BY REPLACING WITH WATER BASED COLLOIDAL SHELL.	DOLPHIN, INCORPORATED	200125	5
ETHANOL VAPORS	ELIMINATE FUGITIVE SOLVENT VAPORS (EXCESS MIX RESIN - MODIFIED NYLON/ EPOXY RESIN AND 70% ETHANOL) AT MIX VAT	INSTALL A CHILLED WATER LID ON RESIN MIX VAT TO PREVENT VAPORS	HEXCEL CORPORATION	200464	2
ETHANOL	REDUCE THE AMOUNT OF CONSUMER PRODUCTS SENT OFF FOR INCINERATION. RECYCLE ALL COMPONENTS OF THE CONSUMER PACKAGES.	INCREASE THE RECYCLE OPPORTUNITIES BY FINDING VENDORS TO RECYCLE MATERIALS NOW BEING LANDFILLED.	REVLON CONSUMER PRODUCTS CORP.	200315	6
ETHANOL	REDUCE THE AMOUNT OF XYLENE AND ETHANOL PURCHASED BY 80%.	PURCHASE AND INSTALL A XYLENE AND ETHANOL DISTILLATION STILL	UNIVERSITY MEDICAL CENTER	200422	1
ETHANOLAMINE	REDUCE THE USE OF THE 3M JANITORIAL PRODUCT NAMED 6H-SPEED TILE FLOOR STRIPPER.	STOP PURCHASING TILE STRIPPER. USE ANOTHER METHOD TO CLEAN THE TILE.	DESERT VALLEY CARE CENTER	200742	1

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
ETHANOLAMINE	REDUCE THE GENERATION OF DRY FILM STRIPPER WASTE BY EVALUATING THE POSSIBILITY OF SUBSTITUTING 1.5 ML THICK DRY FILM FOR 2.0 ML THICK DRY FILM CORRECTLY BEING USED. IF FEASIBLE THIS SHOULD RESULT IN A 25% REDUCTION IN SPENT STRIPPER.	MATERIAL SUBSTITUTION	QUICK TURN CIRCUITS, INC.	200596	3
ETHANOLAMINE	ELIMINATE CHEMICAL PAINT STRIPPING WITH MEDIA BLASTING.	INVESTIGATE BLASTING MEDIA OPTIONS (CO2 PLASTIC BEADS, AND CRYSTALLIZED WHEAT STARCH)	U.S. MARINE CORPS - YUMA AIR STATION	200407	6
ETHANOLAMINE	REDUCE THE GENERATION OF ORGANIC AND HOT TANK PAINT REMOVER WASTE BY 50% BY MAY 1994 AND 100% BY MAY 1995	IMPLEMENT A PLASTIC MEDIA BLASTING SYSTEM TO STRIP PAINT FROM AIRCRAFT PARTS; LEASE THE PLASTIC MEDIA AND REUSE MATERIAL IN PROCESS	U.S.A.F. - DAVIS MONTHAN	200408	1
ETHYL ACETATE / BUTANOL	REDUCE GENERATION OF WASTE SOLVENT.	RECYCLE USED SOLVENT AND REUSE IN SAME PROCESS; PURCHASE BATCH STILL DISTILLATION UNIT.	ARIZONA STATE UNIVERSITY-RISK MGMT.	200064	3
ETHYL LACTATE	REDUCE VOC EMISSIONS IN PHOTOLITHOGRAPHY PROCESS.	EVALUATE THE NEED, FEASIBILITY, ENVIRONMENTAL AND BUSINESS IMPACT FOR COLLECTING VOC's FROM THE CHANDLER I AND INSTALLING AN ABATEMENT SYSTEM	MICROCHIP TECHNOLOGY-CHANDLER	200247	17
ETHYL ACETATE	REDUCE THE USE OF ETHYL ACETATE.	MINIMIZE THE QUANTITY OF ETHYL ACETATE IN DIP TANKS. REUSE SPENT ETHYL ACETATE. CONTINUE RECYCLING WITH SUBSTITUTE CLEANING SOLVENT.	PING, INC	200208	11
ETHYL ACETATE	REDUCE VOC EMISSIONS IN GOLF BALL TOP COATING **DROPPED ** SEE #9	REPLACE EXISTING TOPCOAT WITH LOWER VOC CONTENT TOPCOAT, EVALUATE ALTERNATIVE COATINGS	PING, INC	200208	4
ETHYL ACETATE	REDUCE THE USE OF ETHYL ACETATE.	IMPROVE MATERIAL CONSERVATION MEASURES; REDUCE THE AMOUNT IN DIP TANKS; REUSE SPENT ETHYL ACETATE AS ROUGH CLEANER; USE COVERS; EVALUATE USING HI-SOL 10; EVALUATE OTHER SUBSTITUTES.	PING, INC	200208	8
ETHYL ACETATE	OVERALL GOAL OF REDUCING HAZARDOUS WASTE 25% BY 1996. REDUCING WASTE FROM NAIL ENAMEL IN BOTTLES IS THE FIRST PRIORITY.	REPLACE CAPPER TO PREVENT MISFEEDS; CHANGE PROCEDURES TO CHECK AND ADJUST ALIGNMENT MORE OFTEN; CHECK FOR LINER BREAKS BEFORE FILING BOTTLES; REUSE BOTTLES FOR SHADE CHANGES; REPLACE FILING EQUIPMENT TO PREVENT BOTTLE BREAKAGE.	REVLON CONSUMER PRODUCTS CORP.	200315	1
ETHYL ACETATE	REDUCE THE AMOUNT OF CONSUMER PRODUCTS SENT OFF FOR INCINERATION. RECYCLE ALL COMPONENTS OF THE CONSUMER PACKAGES.	INCREASE THE RECYCLE OPPORTUNITIES BY FINDING VENDORS TO RECYCLE MATERIALS NOW BEING LANDFILLED.	REVLON CONSUMER PRODUCTS CORP.	200315	6
ETHYL ACETATE	ELIMINATE THE USE OF ETHYL ACETATE AT THE FACILITY. ELIMINATE HI-RELIABILITY PRODUCT LINE.	CEASE MANUFACTURING PRODUCTS AS HI-RELIABILITY CERTIFIED	TUSONIX INC.	200402	12
ETHYLBENZE SOLVENT	REDUCE REPROCESSING CHEMICALS DUE TO REWORKS AND REDOS.	IMPROVE OPERATIONS; EXAMINE OPERATIONS THAT GENERATE REDOS; REDUCE REDOS BY OPTIMIZING PHOTORESIST DEVELOPING PROCESS.	MOTOROLA SCG	200253	10
ETHYLBENZENE	REDUCE QUANTITY OF XYLENE AND PHOTORESIST USED IN THE APPLICATION OF PHOTORESIST TO WAFERS.	EVALUATE DIFFERENT RESIST PUMP DESIGNS WHICH DO NOT CONTACT AIR OR NEED A PURGE CYCLE. REPLACE MECHANICAL PUMPS WITH MICROPROCESSOR CONTROLLED PRESSURE PUMPS TO CONTROL APPLICATION	MOTOROLA SCG	200253	3
ETHYLBENZENE	REDUCE UNNECESSAY PURGES WITH N-BUTYL ACETATE IN PHOTORESIST DEVELOPING STEP DUE TO VISUAL SOLVENT LEVEL CHECKS.	INSTALL LEVEL SENSORS; ELIMINATE VISUAL LEVEL CHECK AND PURGE CYCLE NECESSARY AFTER EACH VISUAL CHECK.	MOTOROLA SCG	200253	4
ETHYLBENZENE	REDUCE THE QUANTITY OF HAZARDOUS PETROLEUM NAPTHA WASTE THAT RESULTS FROM METAL PARTS WASHING.	1. UTILIZE ON-SITE RECYCLING. 2. FIND AND USE NON-HAZARDOUS SUPPLEMENTAL WASH SOLUTIONS.	U-HAUL INTERNATIONAL TECHNICAL CENTER	200403	5
ETHYLENE GLYCOL MONOBUT.	ELIMINATE/REDUCE THE CLEANING SOLVENTS USED FOR LACQUERS. ***INACTIVE FACILITY***	RESEARCH LESS TOXIC SUBSTI-TUTES; REPLACED ETHYLENE GLYCOL MONONBUTYL ETHER WITH MEK ON 1 LINE; EVALU-ATE FILTERING AND REUSING SYSTEM FOR THE CLEANING SOLVENT.	ABBOTT LABORATORIES	200326	5
ETHYLENE GLYCOL	REDUCE ETHYLENE GLYCOL USAGE.	REDUCE THE RATIO OF ETHYLENE GLYCOL TO WATER, RECYCLE USED COOLANT ONSITE AND REDUCE FREQUENCY OF ANTIFREEZE CHANGEOUTS.	ADOT- SAFETY AND HEALTH SECTION	200009	24
ETHYLENE GLYCOL	ELIMINATE ETHYLENE GLYCOL USAGE.	SUBSTITUTE PROPYLENE GLYCOL BASED COOLANT FOR CURRENT MATERIAL.	ADOT- SAFETY AND HEALTH SECTION	200009	25
ETHYLENE GLYCOL	REDUCE THE QUANTITY OF ANTIFREEZE CONSUMED.	MONITOR AND COMPARE LEVEL IN AST OR SHIPMENTS OFFSITE FOR RECYCLING IN 1993	ASARCO - MISSION COMPLEX (SAHUARITA)	200047	10
ETHYLENE GLYCOL	REDUCE USE OF ANTI-FREEZE TO REDUCE RELEASES OF USED ANTI-FREEZE TO THE ENVIRONMENT.	A) REPLACE WITH NALCOOL OR WATER, B) FIND A RECYCLING VENDOR THEN SHIP OFFSITE FOR RECYCLING, C) REDUCTION IN QUANTITY CONSUMED	ASARCO - MISSION COMPLEX (SAHUARITA)	200047	3

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
ETHYLENE GLYCOL	REDUCE THE QUANTITY OF ANTIFREEZE ONSITE BY DETERMINING THE AMOUNT OF DEMAND REDUCTION IN ANTIFREEZE.	MAKE COMPARISON OF ANTIFREEZE INVENTORY PURCHASES BETWEEN 1993, 1994 AND 1995.	ASARCO - MISSION COMPLEX (SAHUARITA)	200047	9
ETHYLENE GLYCOL	ELIMINATE DRUM STORAGE, SPILLS, LEAKS AND OFF-SITE DISPOSAL OF USED ANTI-FREEZE FROM VEHICLE AND EQUIPMENT FLEET	INSTALL 250 GALLON COLLECTION TANKS FOR PLACEMENT AT THE GENERATION POINT; USE "SAFER ON SITE RECYCLING" OF PHOENIX TO RECYCLE	BHP COPPER, SAN MANUEL SMELTING AND REFINING	200226	5
ETHYLENE GLYCOL	REDUCE THE USE OR THE CHEMICAL CONTENT OF THE MATERIALS INVOLVED, SO THAT THE USE OF ETHYLENE GLYCOL AND GLYCOL ETHERS FALLS BELOW THE REPORTING THRESHOLD.	AS OUTLINED IN SECTION 6, THIS IS A COMPLICATED PROBLEM INVOLVING THE INTEGRITY OF THE HOUSES. NEGOTIATE WITH SUPPLIERS; FIELD TEST PRODUCTS.	CAVCO INDUSTRIES, INC.-DURANGO	200564	1
ETHYLENE GLYCOL	REDUCE THE USE OR THE CHEMICAL CONTENT OF THE MATERIALS INVOLVED, SO THAT THE USE OF ETHYLENE GLYCOL AND GLYCOL ETHERS FALLS BELOW THE REPORTING THRESHOLD.	AS OUTLINED IN SECTION 6, THIS IS A COMPLICATED PROBLEM INVOLVING THE INTEGRITY OF THE HOUSES. NEGOTIATE WITH SUPPLIERS; FIELD TEST PRODUCTS.	CAVCO INDUSTRIES, INC.-LITCHFIELD	200563	1
ETHYLENE GLYCOL	REDUCE THE USE OF GLYCOL ETHERS AND ETHYLENE GLYCOL.	IMPROVE HOUSE KEEPING MEASURES AND REDUCE THE USE OF ETHYLENE GLYCOL AS A CLEANER.	CAVCO INDUSTRIES, INC.-LITCHFIELD	200563	2
ETHYLENE GLYCOL MONOBUTYL	8.2.10 #1: REDUCE THE OVERALL HAPs AND VOC EMISSIONS FROM THE CIRCUIT BOARD SOLDER LEVEL PROCESS USING FLUX AND OIL. GOAL- SUBSTITUTE LOWER VOC/NON HAPS PRODUCTS.	REPLACE DEXTER PRODUCT WITH AN ARDROX PC7655 FLUX WHICH CONTAINS CONSIDERABLY LESS ETHYLENE GLYCOL MONOBUTYL ETHER.	CONTINENTIAL CIRCUITS	200105	12
ETHYLENE GLYCOL MONOBUTYL	8.2.11 #2 REDUCE OVERALL HAPS AND VOC EMISSIONS. FOR THE RESIST LINE IN BUILDING C. GOAL 1.- IMPROVED EMISSION CONTROL.	ADD MORE VOC EMISSION CONTROLS, (ACTIVATED CARBON OR OXIDATION UNIT) TO SUPPLEMENT THE WET SCRUBBER.	CONTINENTIAL CIRCUITS	200105	13
ETHYLENE GLYCOL	REDUCE BOTH OVER-TREATED AND UNDER-TREATED COTTON SEED.	IMPROVE TREATMENT APPLICATION BY MODIFYING THE EQUIPMENT.	DELTA & PINE LAND CO	200119	8
ETHYLENE GLYCOL	CONTINUE TO EXPLORE AND RESEARCH OPPORTUNITIES FOR ELIMINATION, SUBSTITUTION, AND REFORMULATION.	IF FEASIBLE ALTERNATIVES ARE IDENTIFIED, EVALUATE IMPLEMENTATION. REDUCTIONS TO DATE FOR PARTIAL SUBSTITUTION TOTAL 9,288 LBS.	FLEETWOOD HOMES OF AZ, INC. #21	200613	2
ETHYLENE OXIDE (GAS)	ELIMINATE POTENTIAL FOR THE ACCIDENTAL RELEASE OF ETHYLENE OXIDE DUE TO PUMP SEAL FAILURE	INSTALL MAGNETICALLY DRIVEN PUMPS ON EACH BLEND AND RECOVERY TANK	HONEYWELL-KINGMAN MEDICAL PRODUCTS FACILITY	200150	1
ETHYLENE GLYCOL	ELIMINATE THE USE OF ETHYLENE GLYCOL QUENCH FROM THE ALUMINUM HEAT TREATING PROCESS BY MID-1998	ELIMINATE CLEANING REQUIREMENTS NEEDING ETHYLENE GLYCOL QUENCHING OF METAL. INSTEAD SEEK TO EXPAND OPERATIONS THAT USE WATER-BASED QUENCHING FOR THE HEAT TREATING OF METALS.	KARSTEN PRECISION BRAZE-WELD-PLATE	200230	4
ETHYLENE GLYCOL	REDUCE EMISSIONS OF ETHYLENE GLYCOL FROM TILE SEALANT. ACTION STEPS: 1) CONTACT MANUFACTURER REGARDING A SUBSTITUTE, 2) TRY OTHER PRODUCTS AS THEY BECOME AVAILABLE.	SUBSTITUTE CURRENT SEALANT WITH A PRODUCT THAT HAS LESS ETHYLENE GLYCOL.	MONIERLIFETILE, LLC-PHOENIX,AZ	200658	3
ETHYLENE GLYCOL	ELIMINATE THE USE OF ETHYLENE GLYCOL IN POST ETCH STRIP/RINSE PROCESSES.	REPLACE ETHYLENE GLYCOL PROCESS WITH A DRY PLASMA POST ETCH PROCESS.	MOTOROLA - CHANDLER	200254	17
ETHYLENE GLYCOL ETHERS	ELIMINATE ETHYLENE GLYCOL ETHERS USED DURING PHOTORESIST APPLICATION AND DEVELOPING PROCESSES.	REPLACE ETHYLENE GLYCOL ETHER WITH EITHER PROPYLENE GLYCOL EHTERS OR LACTIC ACID BASED SOLVENTS.	MOTOROLA - MESA	200255	2
ETHYLENE GLYCOL MONOMETHYL ETHER ACETATE	ELIMINATE THE USAGE OF ETHYLENE GLYCOL MONOMETHYL ETHER ACETATE IN THE WAXIVATION PROCESS	CONDUCT RESEARCH INTO ACCEPTABLE ALTERNATIVES; SUBSTITUTED WITH NON-EG ETHER BASED PRODUCTS.	MOTOROLA-TEMPE	200259	16
ETHYLENE GLYCOL	REDUCE THE USE OF ETHYLENE GLYCOL IN CHILLERS AND COOLING LOOPS SITEWIDE BY 90%	SUBSTITUTE PROPYLENE GLYCOL FOR ETHYLENE GLYCOL IN CHILLERS AND COOLING LOOPS SITEWIDE.	MOTOROLA-TEMPE	200259	21
ETHYLENE GLYCOL	REDUCE THE USE OF ETHYLENE GLYCOL IN EG CLEANS PROCESSES BY 90%	SUBSTITUTE PROPYLENE GLYCOL IN EG CLEANS PROCESSES.	MOTOROLA-TEMPE	200259	22
ETHYLENE GLYCOL	REMOVE,REPLACE,OR REDUCE TOXIC SUBSTANCES TARGETING ETHYLENE GLYCOL IN DRYWALL JOINT MANUFACTURING	RELACE ETHYLENE GLYCOL WITH DIETHYLENE GLYCOL WHICH IS NOT SUBJECT TO REPORTING UNDER EPCRA 313	MURCO WALL PRODUCTS, INC	200262	1
ETHYLENE GLYCOL	REDUCE ETHYLENE GLYCOL USE	RECONSTRUCT PUMP PLUMBING ON ETHYLENE GLYCOL STORAGE TANK TO FACILITATE CLOSURE OF TOP HATCH COVER	MURCO WALL PRODUCTS, INC	200262	2
ETHYLENE GLYCOL	SEE MURCO GOAL 1 **DROPPED**	ELIMINATE HAND DIP TRANSFER OF ETHYLENE GLYCOL: INSTALL BARREL PUMP AND PLUMB DIRECTLY FROM STORAGE TANK TO WET MIXER	MURCO WALL PRODUCTS, INC	200262	3
ETHYLENE GLYCOL	REDUCE POTENTIAL FOR LEAKS AND SPILLS	INSTALL SECONDARY CONTAINMENT SYSTEM FOR LATEX AND ETHYLENE GLYCOL TO ELIMINATE POTENTIAL GROUNDWATER CONTAMINATION	MURCO WALL PRODUCTS, INC	200262	5

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
ETHYLENE GLYCOL	REDUCE EMISSIONS OF ETHYLENE GLYCOL IN THE SEALANT. ACTION STEPS: 1) CONTACT MANUFACTURER REGARDING A SUBSTITUTE, 2) TRY OTHER PRODUCTS AS THEY BECOME AVAILABLE.	SUBSTITUTE CURRENT SEALANT WITH A PRODUCT THAT HAS LESS ETHYLENE GLYCOL.	OLDCASTLE WESTILE--formerly MONIERLIFETILE-CASA GRANDE	200635	4
ETHYLENE GLYCOL, ANTIFREZ	COMMUNITY SERVICE-TEXACO STATION: MINIMIZE RELEASES OF DIESEL FUEL, OIL, SOLVENT AND ANTIFREEZE	INSTALL ABOVE GROUND DIESEL STORAGE TANK WITH PROPER SECONDARY CONTAINMENT; INSTALL OIL, SOLVENT & ANTIFREEZE DEPOSIT CENTER	PHELPS DODGE BAGDAD, INC.	200114	1
ETHYLENE GLYCOL	REDUCE THE USE OF ETHYLENE GLYCOL (ANTIFREEZE).	USE LESS FRESH ETHYLENE GLYCOL ANTIFREEZE. RECYCLE ETHYLENE GLYCOL ON SITE.	PHELPS DODGE MIAMI INC.	200115	19
ETHYLENE GLYCOL	COMMUNITY SERVICES ELIMINATE RISK OF ETHYLENE GLYCOL SPILLS ***INACTIVE FACILITY***	FIND SUITABLE REPLACEMENT TO CONVERT LP NAUTRAL GAS TO ITS GASEOUS FORM OR CONSTRUCT CONTAINMENT	PHELPS DODGE BAGDAD, INC.	200114	5
ETHYLENE GLYCOL	ETHYLENE GLYCOL FOR DRILLING: REDUCE QUANTITY OF ETHYLENE GLYCOL USED DURING THE DRILLING PROCESS WITH TECHNOLOGY CHANGE AND CLOSER MONITORING.	(1) USE OF HEAT TAPE ON THE WATER INJECTION LINES WILL BE UTILIZED WHEN POSSIBLE TO REDUCE QUANTITY OF ETHYLENE GLYCOL USED. (2) USE OF METER SYSTEM ON THE WATER TRUCK TANK TO MONITOR ANTIFREEZE USAGE ACCORDINGLY	PHELPS DODGE MINING, MORENCI BRANCH	200281	7
ETHYLENE GLYCOL	USED PETROLEUM PRODUCTS: RECYCLE AND REUSE USED ANTIFREEZE.	COMPLETE AN INVESTIGATION OF RECYCLING AND REUSING USED ANTIFREEZE WHILE MAINTAINING VEHICLE WARRANTY ** GOAL WAS DROPPED, NOW IS COMPLETED **	PHELPS DODGE MIAMI INC.	200115	8
ETHYLENE GLYCOL	CONTAMINATED SOIL-ETHYLENE GYLCOL: REDUCE THE NUMBER OF ACCIDENTAL SPILLS WHEN ADDING COOLANT TO THE SYSTEMS BY 5%. MEASUREMENT FROM THE BASELINE WILL INCLUDE MEASURING GOAL 10, 11 AND 12 ALSO.	EDUCATE EMPLOYEES ON THE PROPER PROCEDURES FOR MAINTAINING THE COOLANT SYSTEMS	PHELPS DODGE MINING, MORENCI BRANCH	200281	9
ETHYLENE GLYCOL	REDUCE THE USE OF ETHYLENE GLYCOL	PURCHASE NEW VEHICLES WHEN AVAILABLE WHICH CONTAIN 5 YEAR LONG LIFE ANTIFREEZE. ALSO MODIFY ANTIFREEZE CHANGE SCHEDULE FROM "ANNUALLY" TO "AS NEEDED" WHICH SHOULD RESULT IN A REDUCTION IN USE.	PHOENIX, CITY OF-AUTO/EQUIP GARAGE	200285	1
ETHYLENE DICHLORIDE	ELIMINATE METASOLVENT IN QUALITY CONTROL LAB.	REPLACE WITH LESS TOXIC MATERIAL; REUSE THE SOLVENT THREE TIMES BY FILTERING.	PROCTER & GAMBLE MFG	200302	2
ETHYLENE GLYCOL N-BUTYL ETHER	CONTINUE RESEARCH ON EXISTING PRODUCT FORMULAS USING ETHYLENE GLYCOL N-BUTYL ETHER AND DIETHYLENE GLYCOL ETHER TO FIND A SUITABLE SUBSTITUTE.	PRODUCT SUBSTITUTION	PROFESSIONAL CHEMICALS CORP	200538	5
ETHYLENE GLYCOL N-BUTYL ETHER	AVOID USING ETHYLENE GLYCOL N-BUTYL ETHER AND DIETHYLENE GLYCOL ETHER IN ANY NEW PRODUCTS WHERE POSSIBLE.	PRODUCT REFORMULATION	PROFESSIONAL CHEMICALS CORP	200538	6
ETHYLENE GLYCOL N-BUTYL ETHER	DEVELOP PROCESS AND WRITE SOP TO REUSE WASH DOWN WATER TO MINIMIZE BOTH WATER USAGE AND WASTE WATER.	GOOD OPERATING PRACTICES AND PROCESS CHANGE	PROFESSIONAL CHEMICALS CORP	200538	7
ETHYLENE GLYCL/SULFURIC A	PROVIDE FOR SPILL CONTAINMENT IN CHEMICAL STORAGE AREA.	PURCHASE 30' POLYZORB SPILL DIKES; PLACE AROUND CHEMICAL BARRIERS; INSTALL A 24"X24" SPILLSTOPPER MAT; CONSTRUCT A CONCRETE DIKE.	STERIS CORPORATION	200328	1
ETHYLENE OXIDE	REDUCE ETO EMISSINS BY 99.9% (1)STUDY ADDITION OF ETO-ABATOR SYSTEM (2) AQUIRE PRICIG FOR ETO SYSTEM. (3) INSTALL ETO SYSTEM. (4) CONDUCT TEST OF ETO SYSTEM BY 6/30/98	ADDITION OF ETO ABATOR SYSTEM.	STERIS CORPORATION	200328	10
ETHYLENE GLYCOL	RESEARCH POTENTIAL FOR RECYCLING ETHYLENE GLYCOL, WHICH IS A BY-PRODUCT OF THE PROCESS.	RESEARCH POTENTIAL FOR RECYCLING ETHYLENE GLYCOL WITH COMPANIES THAT MANUFACTURE ANTIFREEZE, FABRICS, OR PESTICIDES.	STERIS CORPORATION	200328	13
ETHYLENE GLYCOL	PREVENT ACCIDENTAL OPENING OF THE ETHYLENE GLYCOL OFFLOAD VALVE FOR TRUCK TRANSFER	INSTALL A VALVE LOCK ON THE 2" BALL VALVE ON THE OFFLOAD PORT	STERIS CORPORATION	200328	4
ETHYLENE GLYCOL	RECYCLE SPENT ETHYLENE GLYCOL	CONTACT ROMIC CHEMICAL TO RECYCLE WASTE ANTIFREEZE AND WASTEWATER TREAT THE REMANING WATER	TALLEY DEFENSE SYSTEMS - PLT 4	200370	8
ETHYLENE GLYCOL	ELIMINATE USE OF GLYCOL ETHER	WHEN AN ALTERNATIVE TO POLYURETHANE IS FOUND, THIS CHEMICAL MAY BE ABLE TO BE ELIMINATED AS WELL. (REPLACEMENT OF THE 141b BLOWING AGENT WILL DETERMINE WHAT SOLVENT WILL BE REQUIRED.)	TUSCARORA/ ISC GROUP	200534	3
ETHYLENE GLYCOL	REDUCE EVAPORATION OF GUN CLEANING SOLVENT.	KEEP GUN CLEANING SOLVENT IN AIRTIGHT CONTAINERS	TUSCARORA/ ISC GROUP	200534	4
ETHYLENE GLYCOL	ELIMINATE HAZARDOUS WASTE DISPOSAL OF CARBON FILTERS FROM THE NDI TREATMENT PROCESS.	REACTIVATE CARBON TREATMENT UNITS. INVESTIGATE RECYCLING CARBON. ONGOING REVIEW OF HOUSEKEEPING PROCEDURES.	U.S. MARINE CORPS - YUMA AIR STATION	200407	8
ETHYLENE GLYCOL	REDUCE THE DISPOSAL OF SPENT ANTIFREEZE USED IN MILITARY VEHICLES BY 75%.	RECLAIM SPENT ANTIFREEZE WITH A KLEERFLO ANITFREEZE RECYCLING SYSTEM.	U.S.A.F. - DAVIS MONTHAN	200408	3

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
ETHYLENE GLYCOL	75% REDUCTION IN USED ANTIFREEZE FROM AUTO HOBBY SHOP	RECYCLING OF USED ANTIFREEZE WITH OFF-BASE CONTRACTOR	U.S.A.F. - DAVIS MONTHAN	200408	8
ETHYLENE GLYCOL	REDUCE ETHYLENE GLYCOL EMISSIONS BY 75%.	IMPROVE HOUSEKEEPING AND MATERIAL HANDLING PROCEDURES IN ORDER TO REDUCE THE AMOUNT	UCSC (Urethane Contr. Supply & Consult.)	200651	1
ETHYLENE GLYCOL, PCE, TCE	MAINTAIN SOLVENT REPACK - FILTERS AND ABSORBENT WASTES TO BELOW 3500 LBS PER YEAR	DEVELOP WRITTEN OPERATING PROCEDURES.	UNIVAR USA, INC.	200426	8
ETHYLENE OXIDE	ELIMINATE ETO (CFC 12; ETHYLENE OXIDE) STERILIATION OF MEDICAL EQUIPMENT ON-SITE	REPLACE ETO METHOD WITH STEAM STERILIZATION PROCESS.	W. L. GORE & ASSOC.(4TH ST.)	200429	3
ETHYLENE GLYCOL	REDUCE WASTE GENERATION FROM SPENT ANTI-FREEZE COOLANT.	IMPLEMENT OFF-SITE RECYCLING PROGRAM FOR ANTI-FREEZE BY USING COMPANY THAT ALSO RECYCLES USED OIL.	WORLD RESOURCES COMPANY	200440	20
FATTY ACID ESTER	REDUCE AMOUNT OF MILL COOLANT (FATTY ACID ESTER - ROLLFORM 305) USED AND REDUCE SPENT COOLANT WASTE.	A. EVALUATE FILTERABILITY AND OIL SKIMMING TO INCREASE BATH LIFE -2/97. B.INVESTIGATE ALTERNATE COOLANTS THAT MAY INCREASE BATH LIFE - 7/98. C. EVALUATE POSSIBILITY OF USING WASTER INSTEAD OF MILL COOLANT TO COOL WELDS - 12/98.	ALLIED TUBE AND CONDUIT	200032	11
FERRIC SULFATE	REDUCE SOLUTION LOSS DURING LOAD TRANSFERS 1) DETERMINE QUANTITY AND DIMENSIONS 10/1/1998 2) BEGIN FABRICATION 12/1/1998 3) INSTALL 3/1/1999.	INSTALL DRIP TRAYS BETWEEN ANODIZING PROCESS TANKS	AZ PLATING & ANODIZING CO	200062	12
FERRIC SULFATE	REDUCE DRAG OUT AND DRAG IN DURING LOAD TRANSFER 1) COMPLETE EVALUATION 1/1/1999 2) PURCHASE EQUIPMENT AND MATERIAL 4/1/1999 3) IMPLEMENT NEW LAYOUT 7/1/1999.	MODIFY TANK LAYOUT IN ANODIZING AREA	AZ PLATING & ANODIZING CO	200062	13
FERRIC CHLORIDE	ELIMINATE THE USE OF FERRIC CHLORIDE	PURCHASE NEW EQUIPMENT FOR ANALYSIS OF CHEMISTRIES, INVESTIGATE ALTERNATIVES TO FERRIC CHLORIDE, PURCHASE THE HACH 700 CALORIMETER.	DYNACO ACQUISITION CORP.	200129	3
FERRIC CHLORIDE	ELIMINATE THE USE OF FERRIC CHLORIDE IN THE WASTE WATER TREATMENT SYSTEM.	EVALUATE THE USE OF A CALCIUM POLY SULFIDE METAL PRECIPITANT AS A SUBSTITUTE FOR FERRIC CHLORIDE.	MOSAIC PRINTED CIRCUITS, LLC. (QUALITY PRINTED CIRCUITS)	200513	7
FERRIC CHLORIDE	WASTE WATER PRE TREATMENT PLANT (9.2): REDUCE DEPENDENCY ON CHEMICAL WASTE WATER PRETREATMENT METHODS BY 30%.	INVESTIGATE ALTERNATE PRETREATMENT TECHNOLOGIES THAT ARE NOT CHEMICAL PRECIPITATION BASED, OR USE LESS CHEMICALS. SECURE CAPITAL FUNDING FOR PRETREATMENT SYSTEM MODIFICATIONS, IF NEEDED. MAKE SYSTEM MODIFICATIONS AND QUANTIFY RESULTS.	MOTOROLA-TEMPE	200259	27
FERRIC CHLORIDE	REDUCE HAZARDOUS WASTE BY SEPARATING THE CONCENTRATE FROM THE RINSATE AFTER THE PROCESS IS COMPLETE		THE BOEING COMPANY	200238	32
FERTILIZER COMPONENTS	REDUCE THE LOSS OF FERTILIZER COMPOUNDS AT TANKS, VALVES, AND HOSE CONNECTIONS	PLACE DRIP PANS UNDER ALL TANK VALVES AND HOSE CONNECTIONS, DUMP THEM 3 TIMES WEEKLY TO AVOID EVAPORATION. THIS WILL ELIMINATE ANY DRIPS ON LAND.	RSA MICROTECH	200682	1
FERTILIZER COMPONENTS	REDUCE THE LOSS OF FERTILIZER COMPOUNDS FROM TORN BAGS AND MATERIAL LEFT IN EMPTY BAGS.	CUT ALL BAGS ACROSS BOTTOM AND COMPLETELY UP THE SIDE TO BE SURE BAG IS EMPTY BEFORE DISPOSAL. SPACE OUT PALLETS, INVENTORY FEWER BAGS.	RSA MICROTECH	200682	2
FERTILIZER COMPONENTS	REDUCE DUST AT LIQUID AND DRY MIXERS IN FERTILIZER PLANT.	PUT MIST RING OR HALO AT LIQUID MIXER TO CONROL DUST. PUT A DUST COLLECTOR INLET ON DRY MIXER TOP TO CATCH DUST. ALSO INSTALLED DUST CONTROL DEVICE OVER THE CRUSHER.	RSA MICROTECH	200682	3
FERTILIZER COMPONENTS	REDUCE THE LOSS OF FERTILIZER COMPOUND FROM SPILLS AT THE FERTILIZER PLANT.	RENT OR BUILD FULLY ENCLOSED STORAGE WHICH WILL ELIMINATE THE CHANCE FOR A LAND SPILL WHILE IN STORAGE. ALSO, WE HAVE RENTED SEVEN RAILCAR CONTAINERS FOR TEMPORARY STORAGE.	RSA MICROTECH	200682	4
FERTILIZER COMPONENTS	REDUCE THE LOSS OF FERTILIZER COMPOUND FROM POSSIBLE DRIPS OR TANK RUPTURE AT THE FERTILIZER PLANT.	BUILD CEMENT AND CURBED PAD FOR MINI BULK TANKS WHICH WILL ELIMINATE LAND CONTAMINATION FROM POSSIBLE DRIPS OR TANKS BEING RUPTURED. WHERE WE RINSE MINI TANKS, THEY ARE RINSED OVER A SUMP PUMP WHERE WATER IS THEN RECYCLED INTO PRODUCT.	RSA MICROTECH	200682	5
FILTER CARTRIDGES (SPENT)	ELIMINATE FUEL FILTERS BEING DISPOSED OF AS HAZARDOUS WASTE.	IMPLEMENT A PROCEDURE THAT WILL ENSURE THAT ALL FILTERS ARE DRAINED AND CRUSHED PRIOR TO PICKUP FROM THE RECYCLING FACILITY. THE METAL FUEL FILTERS WILL THEN NOT BE REQUIRED TO BE DISPOSED OF AS HAZARDOUS WASTE.	AZ AIRFORCE NATIONAL GUARD (TUCSON/PHOENIX)	200696	10T
FILTER CARTRIDGES (SPENT)	REDUCE THE AMOUNT OF SPENT FILTER CARTRIDGES USED IN PLATING PROCESS.	TIME BASED ANALYSIS AND EVALUATION	AZ PLATING & ANODIZING CO	200062	9
FILTER PRESS PAPER (ARS/ ZINC)	ELIMINATE FILTER PAPER WASTE STREAM. 1) INVESTIGATE ALTERNATIVES, 2) IDENTIFY AND IMPLEMENT BEST ALTERNATIVE.	REPLACE CURRENT FILTER PRESS WITH NEW FILTER TECHNOLOGY	PRAXAIR INC	200475	2

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
FILTER CAKE	ELIMINATE THE WASTE WATER FILTER CAKE SHIPPED OFF-SITE AS A HAZARDOUS THROUGH SOURCE CONTROLS (IE. RECLASSIFICATION OF WASTE FROM HAZARDOUS TO NON-HAZARDOUS OTHER TREATMENT OPTIONS.		TED LEVINE DRUM CO	200376	13
FILTERCAKE - FERROUS SULFATE	REDUCE WASTE WATER FILTERCAKE VOLUME BY 50%.	REPLACE FERROUS SULFATE WITH A POLYMER IN WASTE WATER IN ORDER TO REDUCE FILTERCAKE VOLUME.	HUCK FASTENERS	200183	14
FILTERS	REDUCE THE AMOUNT OF FILTERS ON THE T.C. AND G2B BATHS.	REUSE FILTERS BY WASHING AND THEN REUSING.	GOULD ELECTRONICS, INC.	200163	5
FILTERS	REDUCE THE AMOUNT OF GAS / DIESEL FILTERS DISPOSED OF AS WASTE.	IDENTIFY A VENDOR TO DEVELOP AN ENERGY RECOVERY PROGRAM.	SHELL OIL PRODUCTS - PHOENIX SALES TERMINAL	200380	6
FILTERS:METHANOL,XYLENE	SOLVENT REPACK AREA - ELECTRONIC GRADE WASTE: REDUCE THE INCINERATED SOLID ABSORBANT AND FILTER WASTE BY 30%	USE EACH OF THE FOUR FILTERS AT LEAST TWICE	UNIVAR USA, INC.	200426	1
FILTERS:ACETONE, PCE, MEK	SOLVENT REPACK AREA - ELECTRONIC GRADE WASTE: REDUCE THE INCINERATED SOLID ABSORBANT AND FILTER WASTE BY 30%	USE EACH OF THE FOUR FILTERS AT LEAST TWICE	UNIVAR USA, INC.	200426	1
FLAMMABLE LIQUIDS	REDUCE USAGE AND DISPOSAL OF VOCS 1) IMPLEMENT MSDS REVIEW PROCESS BY 6/1999, 2) PURCHASE AEROSOL CAN DEPRESSURIZER SYSTEM BY 12/1999.	REPLACE VOC BASED AEROSOLS WITH LIQUID OR WATER BASED PAINT FOR TOUCH UP, IMPROVE POWDER PAINT SYSTEM WITH TRAINING AND DIFFERENT SPRAY HEADS.	CARRIER HEAT TRANSFER PRODUCTS, YUMA, AZ	200610	1
FLAMMABLE LIQUIDS	ELIMINATE SOLVENT THINNER CLEANERS TO REDUCE VOC EMISSIONS AND WASTE FLAMMABLE LIQUID	REDESIGN SPRAY MACHINE BAND CLEANERS TO USE A WATER BASED CLEANERS.	MASTERCRAFT CABINETS, INC.	200229	1
FLAMMABLE LIQUIDS	ELIMINATE SOLVENT BASED MATERIALS IN THE AREA OF WOOD COATING SUPPLIES	WORK WITH SUPPLIERS TO FIND SUITABLE WATER BASED FINISH MATERIALS TO ACHIEVE MACT COMPLIANT COATINGS TO RUN ON EXISTING FINISHING LINE	MASTERCRAFT CABINETS, INC.	200229	2
FLAMMABLE LIQUIDS	REPLACE ACETONE WASTE FROM CLEANING SPRAY GUNS.	REPLACE ACETONE WITH A LESS VOLATILE SUBSTANCE.	PENDA GLASSTITE WEST	200587	5
FLAMMABLE WASTES	REDUCE THE AMOUNT OF CONTAMINATED RAGS, WIPERS, AND OTHER SIMILAR MEDIA THAT IS DISPOSED OF AS HAZARDOUS WASTE BY 20%.	CONDUCT A FEASIBILITY STUDY TO DETERMINE IF ADDITIONAL RAGS AND WIPERS MAY BE LAUNDERED BY AN OFF-SITE INDUSTRIAL AND REUSED.	PING, INC	200208	19
FLAMMABLE WASTES	REDUCE THE AMOUNT OF CONTAMINATED RAGS, WIPERS, AND OTHER SIMILAR MEDIA THAT IS DISPOSED AS HAZ WASTE BY 20%.	INVESTIGATE THE TYPES OF MATERIALS BEING DISPOSED AND EVALUATE THEIR WASTE STATUS.	PING, INC	200208	20
FLAMMABLE WASTES	REDUCE THE AMOUNT OF CONTAMINATED RAGS, WIPERS, AND OTHER SIMILAR MEDIA THAT IS DISPOSED AS HAZARDOUS WASTE BY 20%.	DETERMINE IF POTENTIAL CHANGES IN PRODUCTION PROCESSES CAN REDUCE THE AMOUNT OF RAG/WIPER GENERATION.	PING, INC	200208	21
FLAMMABLE LIQUIDS	REDUCE THE AMOUNT OF FLAMMABLE LIQUIDS AND SOLVENTS GENERATED FROM ACCEPTING SOME DRUMS.	ESTABLISH A WRITTEN DRUM ACCEPTANCE POLICY THAT IS MORE STRINGENT THAN RCRA AND ALLOWS NO POURABLE LIQUIDS TO BE IN DRUMS; DRUM CERTIFICATION STATEMENTS ALSO REQUIRED.	TED LEVINE DRUM CO	200376	1
FLAMMABLE LIQUIDS	REDUCE THE AMOUNT OF FLAMABLE LIQUID N.O.S. GENERATED IN 1994 BY 10% COMPARED TO 1992 (MOST DUE TO EXPIRED SHELF LIFE	REVISE PROCEDURES FOR PAINTS AND COATING AMOUNTS USED IN PRODUCTION; REVISE ENGINEERING PROGRAM FOR TAKING SAMPLES; LIMIT SHELF LIFE PROBLEMS.	TUSONIX INC.	200402	4
FLAMMABLE LIQUIDS	REDUCE THE AMOUNT OF FLAMMABLE LIQUID WASTE (XYLENE, ETHANOL) GENERATED FROM LABORATORY PROCEDURES BY 80% THROUGH THE PURCHASE AND INSTALLATION OF A CLOSED DISTILLATION UNIT.	A DISTILLATION UNIT WILL NOT ONLY REDUCE WASTE GENERATED BUT WILL ALSO REDUCE THE AMOUNT OF PRODUCT PURCHASED.	UNIVERSITY MEDICAL CENTER	200422	5
FLAMMABLE LIQUIDS	REDUCE FLAMMABLE ORGANIC SOLVENTS BY 7.5%	CONTINUE DISTRIBUTION OF ETHIDIUM BROMIDE FILTERS, CONTINUE SEGREGATION OF SPENT PHOTOGRAPHIC SOLUTIONS, EVALUATE POTENTIAL FORMALIN REDISTILLATION OPPORTUNITIES	UNIVERSITY OF ARIZONA	200424	7
FLUIDS AND OILS	REDUCE ABSORBENT PAD WASTES BY 80%. PROCESS AREAS 1 AND 2.	PURCHASE ABSORBENT PADS AND PAD WRINGERS.	AZ AIRFORCE NATIONAL GUARD (TUCSON/PHOENIX)	200696	1P
FLUIDS AND OILS	REDUCE POTENTIAL FOR SPILLS, MINIMIZE RAG WASTES, AND INCREASE RECYCLING IN PROCESS AREAS 1 & 2.	PURCHASE SPILL PREVENTIVE OIL CADDIES AND TRANSPORTATION DEVICES.	AZ AIRFORCE NATIONAL GUARD (TUCSON/PHOENIX)	200696	3P
FLUIDS AND OILS	REDUCE THE VOLUME OF WASTE AUTOMOTIVE FLUIDS GENERATED BY 10% INDEXED AGAINST ANNUAL VEHICLE TEST MILES	IMPLEMENT A MATERIALS MANAGEMENT PROGRAM; TRAIN EMPLOYEES; REDUCE FLUID CHANGES REQUIRED; ELIMINATE OVER PURCHASE OF MATERIALS.	GM DESERT PROVING GROUNDS	200154	5
FLUIDS AND OILS	DECREASE THE VOLUME OF WASTE CUTTING/SAWING FLUIDS SHIPPED OFFSITE.	PROLONG USEFUL LIFE OF THE CUTTING AND SAWING FLUIDS BY USING FILTERING PROCESS; USE A LONGER LIFE CUTTING FLUID.	SCHUFF STEEL COMPANY-PHOENIX	200574	2
FLUOBORIC ACID WASTE	PLATING WASTE ABATEMENT: REDUCE PROCESS FLUOBORIC ACID USE BY 6200 POUNDS (50%), ON HOLD FOR FUNDING ** GOAL DROPPED**	FLUOBORIC ACID BATHS WILL BE CHANGED TO SULFONIC ACID BATHS PENDING PROCESS QUALIFICATION AT THE HUGHES FULLERTON FACILITY	RAYTHEON COMPANY USAF PLANT 44	200184	7

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
FLUORESCENT LIGHT BULBS	REDUCE FLUORESCENT LIGHT BULB WASTE	RECYCLE FLUORESCENT LIGHT BULBS. FIND A SUITABLE RECYCLER	WORLD RESOURCES COMPANY	200440	9
FLUORIDE	REDUCE FLUORIDE DISCHARGED THROUGH WASTE WATER PRETREATMENT FACILITY TO THE POTW.	1) DILUTE THE FLUORIDE CONCENTRATION OF THE INK BY ADDING OTHER CONDITIONERS TO GET MORE PRINTS PER JAR OF INK 2) USE LESS INK PER PRINT BY CHANGING MESH SIZE AND DECREASING EMULSION THICKNESS 3) RECOMBINE UNUSED INK REMAINING IN JARS FOR REUSE. USE ALL INK MADE UP, IF POSSIBLE 4) DEVELOP ALTERNATE DISPOSAL METHODS FOR SCRAP INK 5) INVESTIGATE TREATMENT OPTIONS DESIGN AND CONSTRUCT A FLUORIDE WASTE WATER TREATMENT SYSTEM.	DUREL CORPORATION	200518	20
FLUX (ALCOHOL BASED)	ELIMINATE USE OF ALCOHOL BASED FLUX	SUBSTITUTE ALCOHOL BASED FLUX WITH WATER BASED FLUX, PURCHASE STATE OF THE ART FLUX COATING MACHINE	DYNACO ACQUISITION CORP.	200129	4
FLUX - SPENT	REDUCE THE GENERATION OF SPENT FLUX AND THINNER WASTE FROM THE CIRCUIT CARD SUB-ASSEMBLY MANUFACTURING AREA BY 95% BEFORE 1/1/1998 THROUGH OUTSOURCING ACTIVITIES TO HAVE THE SUB-ASSEMBLY MANUFACTURING PERFORMED BY ANOTHER COMPANY THAT IS BETTER SUITED FOR THE PROCESS.	THROUGH OUTSOURCING ACTIVITIES TO HAVE THE SUB-ASSEMBLY MANUFACTURING PERFORMED BY ANOTHER COMPANY THAT IS BETTER SUITED FOR THE PROCESS.	HONEYWELL ENGINES & SYSTEMS (TUCSON)	200025	15
FLUX - SPENT	REDUCE THE GENERATION OF SPENT HOT AIR LEVEL FLUX	DEVELOP A SYSTEM TO EFFICIENTLY SQUEEGEE EXCESS FLUX FROM PANELS PRIOR TO IMMERSION IN THE MOLTEN SOLDER. HEAT FLUX TO LOWER THE VISCOSITY.	QUICK TURN CIRCUITS, INC.	200596	7
FLY ASH	ELIMINATE THE FLY ASH BEING DISPOSED OF AS HAZARDOUS WASTE ** GOAL DROPPED **	ON-SITE STABILIZATION TO RENDER ASH INTO CONCRETE BLOCK; OR POSSIBLY RECYCLE THE FLY ASH THRU AZ WASTE EXCHANGE	BFI MEDICAL WASTE OF ARIZONA	200517	3
FOAM	PREVENT ACCIDENTAL DISCHARGE OF THE FIRE FOAM SYSTEM.	CHANGE FROM CURRENT UV SENSORS TO HEAT ACTIVATED SENSORS.	SHELL OIL PRODUCTS - TUCSON SALES TERMINAL	200381	2
FOAM	REDUCE THE EXPOSURE TO PPM BY 50% FOR FOAM PROCESS USED AS A CORE FOR TREES AND CACTUS ***DROPPED***	FIND ALTERNATE FOAM, ASSIGN PERSON TO MONITOR EXHAUST FANS, MONITOR USE OF RESPIRATORS, TEST AIR QUALITY DAILY/WEEKLY	THE LARSON COMPANY	200215	4
FORMALDEHYDE	REDUCE EMISSIONS FROM CASTING PROCESS WHEN CHEMICALLY BONDED SAND AND FURNAN BINDER (CHEM REZ 243 BY ASHLAND CHEM) IS USED IN METAL CASTING INTO MOLD	REPLACED FURNAN BINDER WITH A NON-POLLUTING SILICATE BINDER; RECALIBRATE MIXER AND RETRAIN THE MOLDERS	ARIZONA CASTINGS, INC.	200477	1
FORMALDEHYDE	ELIMINATE THE USE OF FORMALDAHYDE , REDUCE WATER USAGE AND REDUCE WATER TREATEMENT.	EVALUATE TIN - PALLADIUM DIRECT PLATE TECHNOLOGY AS A REPLACEMENT FOR ELECTROLESS COPPER.	CIRCUIT EXPRESS, INC.	200097	6
FORMALDEHYDE	ELIMINATE THE USE OF FORMALDEHYDE BY CONVERTING ENTIRELY TO THE DIRECT METALIZATION PROCESS.	CONVERT TO A DIRECT METALIZATION PROCESS	CIRCUIT EXPRESS, INC.	200097	8
FORMALDEHYDE	8.2.5 #1: SUBSTITUION OF DIRECT PLATE PROCESS FOR ELECTROLESS COPPER WHICH WILL ELIMINATE THE PURCHASE OF FORMALDEHYDE USED WITH COPPER IN A PLATING BATH FOR ELECTROLESS COPPER PLATING PROCESS. REQUIRES A CHANGE IN CHEMISTRY AND A DEDICATED PROCESS LINE.	CHEMISTRY CHANGE: SUBSTITUTION OF A DIRECT PLATE PROCESS FOR ELECTROLESS COPPER PROCESS BY SUBSTITUTING STANNOUS AND PLADIUM CHLORIDE FOR COPPER	CONTINENTIAL CIRCUITS	200105	6
FORMALDEHYDE	ELIMINATE FORMALDEHYDE AND EDTA IN THE PLATING PROCESS.	REPLACE THE ELECTROLESS COPPER PROCESS WITH A DIRECT PLATING PROCESS.	EVERETT CHARLES TECHNOLOGIES STG	200131	12
FORMALDEHYDE	ELIMINATE THE USE OF FORMALDEHYDE IN THE ELECTROLESS COPPER PLATING BATH	TEST, EVALUATE AND IMPLEMENT DIRECT METALLIZATION PROCESS	MICOM CIRCUITS WEST	200245	1
FORMALDEHYDE	REDUCE THE AMOUNT OF FORMALDEHYDE AND PHENOL USED. ACTION PLAN: 1. RESEARCH ALTERNATIVES RESINS. 2. TEST ALTERNATIVE RESINS. 3. IMPLEMENT BEST ALTERNATIVE. (THE REDUCTION OF RESIN WAS 0, HOWEVER THE PERCENTAGES OF FORMALDEHYDE AND PHENOL WAS REDUCED BY 2% AND 0.4% RESPECTIVELY.)	REPLACE RESIN GP-2889 WITH A LOWER FORMALDEHYDE AND PHENOL CONTENT RESIN.	MUNTERS CORPORATION	200261	2
FORMALDEHYDE	REDUCE RISK OF LEAKS FROM FORMALDEHYDE AND PHENOL CARRYING PIPES. ACTION PLAN: 1. RESEARCH ALTERNATIVE METHODS. 2. DETERMINE COST EFFECTIVENESS. 3. IMPLEMENT BEST ALTERNATIVE.	REPLACE IMPREGNATION MIX PRESSURIZED OVERHEAD PIPE TRANSMISSION SYSTEM WITH A NON-PRESSURIZED SYSTEM.	MUNTERS CORPORATION	200261	3
FORMALDEHYDE	REDUCE FORMALDEHYDE AND PHENOL FUGITIVE EMISSIONS. ACTION PLAN: RESEARCH ALTERNATIVE METHODS. 2. DETERMINE MOST EFFICIENT. 3. IMPLEMENT BEST ALTERNATIVE.	IMPROVE CAPTURE EFFICIENCY OF HOODS AND AIR COLLECTION SYSTEM IN CORREGATING MACHINES. INSULATE MACHINES BETTER.	MUNTERS CORPORATION	200261	4
FORMALDEHYDE	REDUCE THE AMOUNT OF FORMALDEHYDE EMISSIONS FROM THE PLANT	BUILD A STATE OF THE ART CHEMICAL MIXING PLANT	OWENS CORNING ELOY PLANT	200543	3
FORMALDEHYDE	BE A ZERO PROCESS WASTE GENERATOR FOR FORMALDEHYDE AND AMMONIA.	REINTRODUCE THIS PRODUCT BACK INTO THE PROCESS AND CONVERT IT TO PRIME PRODUCT WITH BETTER OPERATING EFFICIENCIES AND NEW EQUIPMENT.	OWENS CORNING ELOY PLANT	200543	9

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
FORMALDEHYDE SOLUTION	REDUCE ELECTROLESS COPPER DEPOSITION CHEMISTRY USAGE	WORK WITH CHEMICAL SUPPLIER OF ELECTROLESS COPPER SOLUTION TO SEE IF CHEMISTRY CAN BE RUN @ A LOWER CONCENTRATION AND TRAIN OPERATORS TO INCREASE HANG TIME THUS REDUCING THE AMOUNT OF DRAG OUT TO RINSES.	QUICK TURN CIRCUITS, INC.	200596	6
FORMALDEHYDE	REDUCE USE OF XYLENE, FORMALDEHYDE AND REAGENT ALCOHOL	CONTINUE RESEARCH TESTING NEW PRODUCTS TO REDUCE FORMALDEHYDE AS A HAZARDOUS WASTE; TEST OTHER ALTERNATIVES AS THEY BECOME AVAILABLE; REVIEW NEW INSTRUMENTATION/ TECHNOLOGY AS THEY BECOME AVAILABLE	SONORA QUEST LABORATORIES, LLC	200579	1
FORMALDEHYDE	ELECTROLESS COPPER DEPOSITION: REDUCE THE GENERATION OF SPENT ELECTROLESS COPPER 3350 SOLUTION.	INCREASE HANG TIMES AS PANELS ARE PROCESSED. PURCHASE AND INSTALL BLEED PUMP. PURCHASE AND INSTALL S-SYSTEM COPPER RECOVERY MODULE. INVESTIGATE DIRECT METALLIZATION PROCESSES.	SOUTHBAY CIRCUITS, INC.	200586	5
FORMALDEHYDE	REDUCE FORMALDEHYDE AND PHOSPHORIC ACID USED AS A BINDER IN SAND MOLD FORMATION.	FIND A LESS HAZARDOUS SUBSTITUTE FOR FORMALDEHYDE.	TUCSON FOUNDRY & MFG, INC	200397	1
FORMALDEHYDE	ELIMINATE FORMALDEHYDE/ FORMALIN FROM THE INVENTORY **PLAN NEVER ACTIVE***	REPLACE FORMALDEHYDE/ FORMALIN WITH A PRODUCT CALLED HISTO-CHOICE WHICH IS SAFER AND PERFORMS ADEQUATELY	TUCSON GENERAL HOSPITAL	200398	1
FORMALDEHYDE	REDUCE OVER CONSUMPTION OF PHOSPHORIC ACID AND FORMALDEHYDE DURING SAND MOLD MAKING	DAILY CALIBRATION OF THE SAND MOLD MACHINE TO REDUCE OVER USE OF CHEMICAL ADDITIVES	TUCSON FOUNDRY & MFG, INC	200397	2
FORMALDEHYDE	INCREASE NEUTRALIZATION OF FORMALDEHYDE BY ALL DEPARTMENTS IN HOSPITAL TO REDUCE AMOUNT OF FORMALDEHYDE DISPOSED OF.	NEUTRALIZE FORMALDEHYDE WITH "ALDEX" PRIOR TO SEWER DISPOSAL.	UNIVERSITY MEDICAL CENTER	200422	2
FREON 113	ELIMINATE FREON 113 USAGE FOR CIRCUIT BOARD DEFLUXING	PURCHASE AND INSTALL AN AQUEOUS, IN-LINE CIRCUIT BOARD WASHER; USE ORGANIC, BIODEGRADABLE, NON-ODS SAPONIFYING CLEANER	ACME ELECTRIC CORP. AEROSPACE DIVISION	200482	5
FREON 12	ELIMINATE FREON 12 EMISSIONS FROM VEHICLE VEHICLE AIR CONDITIONING MAINTENANCE.	PURCHASED FREON RECOVERY SYSTEM FROM SNAP-ON; TECHNICIANS CERTIFIED	AIR PRODUCTS AND CHEMICALS-CHANDLER	200018	3
FREON 113	REDUCE NEED FOR FREON 113 USE AND REDUCE ENERGY CONSUMPTION IN NITRIC ACID PLANT.	REPLACE THE FREON REFRIGERATION UNIT WITH A LOW PRESSURE AMMONIA (NH3) REFRIGERATION UNIT - USE FREON UNIT FOR STAND-BY.	APACHE NITROGEN PRODUCTS, INC.	200038	2
FREON R12	REDUCE THE USE OF CLASS I CFCS BY SUBSTITUTING LESS OZONE HARMING CHEMICALS. THE MINIMUM REPLACEMENT WILL BE 1 LARGE NORMAL CHILLER EVERY OTHER YEAR.	REPLACE CFC R12 WITH CFC-134a AFTER MODIFYING LARGE NORMAL CHILLERS.	APS PALO VERDE NUCLEAR	200042	4
FREON 11	ELIMINATE CFC-11 USED AS BLOWING AGENT IN INSULATION.	REPLACE WITH HCFC-141B. ADD SECONDARY "B" COMPOUND.	ATLAS ROOFING CORPORATION	200053	2
FREON 113	REDUCE STORAGE OF USED VEHICLE TIRES; CONTINUE TO OPERATE FREON RECOVERY UNITS FOR VEHICLES AND BUILDING AIR CONDITIONERS	CONTINUE TO SHIP SPENT TIRES OFFSITE THROUGH THE VENDOR EXCHANGE PROGRAM; USE "OZ SAVER", "AMERICAN THERMOFLOW", AND CV15 REFRIGERANT RECOVERY UNITS	BHP COPPER, SAN MANUEL SMELTING AND REFINING	200226	6
FREON 12	FACILITIES GOAL 5A: CFC REFIGERANT PHASE-OUT PROGRAM ** GOAL DROPPED**	REPLACE/ELIMINATE CFC REFRIGERANT AND RESULTANT EMISSIONS	CYTECFIBERITE	200185	18
FREON 113	REDUCE USE OF SUPERWASH SOLVENT CONTAINING THE CFC FREON 113 (TRICHLOROTRIFLUOROETHANE)	THE SUPERWASH SOLVENT HAS BEEN MODIFIED BY SUBSTITUTING HCFC FOR THE CFC IN THE FORMULATION; REDUCE AMOUNT USED	DELUXE CHECK PRINTERS	200120	5
FREON 113	ELIMINATE ALL OZONE DEPLETING CHEMICALS (1,1,1 TRICHLOROETHANE AND FREON 113).	REPLACED ALL ODC VAPOR DEGREASERS WITH NON-OZONE DEPLETING AQUEOUS ALKALINE CLEANING PROCESSES. SUBSTITUTED OTHER SOLVENTS WHERE AQEUOUS CLEANING PROCESSES WERE NOT ACCEPTABLE.	HONEYWELL ENGINES AND SYSTEMS	200149	1
FREON 113	REDUCE THE QUANTITY OF HAZARDOUS WASTE LEAVING THE FACILITY BY RECYCLING FREON 113 ONSITE.	INSTALLED A SOLVENT DISTILLATION UNIT TO RECYCLE FREON 113.	HONEYWELL ENGINES & SYSTEMS (TUCSON)	200025	1
FREON 113	PHASE OUT USE OF OZONE DEPLETING CHEMICALS	ACTION 6: PURCHASE BATCH CLEANERS THAT USE ISOPROPYL ALCOHOL OR TERPENE	HONEYWELL - 19TH AVE PHOENIX	200181	10
FREON 113	REPLACE ALL ODC CHEMICALS PLANTWIDE.	DEVELOPED STANDARD CRITERIA FOR CLEANLINESS, RATHER THAN TIME AND MATERIAL REQUIREMENTS AND USED STANDARDS IN INTERNAL SPECIFICATIONS.	HONEYWELL ENGINES AND SYSTEMS	200149	10

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
FREON 113	PHASE OUT USE OF OZONE DEPLETING CHEMICALS	ACTION 7: PURCHASE A SAFETY CLEAN PARTS WASHER USING A PETROLEUM- BASED SOLVENT (VAPOR DEGREASER) FOR HIGH PRESSURE NEEDS **GOAL DROPPED**	HONEYWELL - 19TH AVE PHOENIX	200181	11
FREON 113	REPLACE ALL ODC CHEMICALS PLANTWIDE.	ELIMINATION OF THE REQUIREMENTS TO CLEAN SO OFTEN BY INVESTIGATING "NO CLEAN" AND REDUCED CLEANING REQUIREMENTS IN MANUFACTURING OPERATIONS; USE TQI TO REDUCE STEPS.	HONEYWELL ENGINES AND SYSTEMS	200149	12
FREON 113	ELIMINATE FREON-113 TO REDUCE TOXIC SUBSTANCE USAGE, AIR EMISSIONS, AND HAZARDOUS WASTE.	REPLACE FREON-113 VAPOR DEGREASERS WITH EQUIPMENT THAT USES ALPHA-METALS 2110 AQUEOUS CLEANING SOLUTION.	HONEYWELL ENGINES & SYSTEMS (TUCSON)	200025	2
FREON 113	REPLACE ALL ODC CHEMICALS PLANTWIDE.	REVIEW CONTRACTS AND ASSOC. DOCUMENTATION TO DETERMINE NECESSARY CHANGES SO THEY DO NOT REQUIRE ODC USE.	HONEYWELL ENGINES AND SYSTEMS	200149	2
FREON 113	ELIMINATE CFC-113 USED IN DUAL ALLOY WHEELS ASSEMBLY PROCESS.	REPLACE WITH A NITROGEN FLUSHING AND ISOPROPYL ALCOHOL WIPING.	HONEYWELL ENGINES (FORMERLY ALLIEDSIGNAL ENGINES)	200144	3
FREON 113	REPLACE ALL ODC CHEMICALS PLANTWIDE	ASSURE ALL INTERNAL SPECS REFLECT ODC PHASE OUT.	HONEYWELL ENGINES AND SYSTEMS	200149	3
FREON 113	REPLACE ALL ODC CHEMICALS PLANTWIDE.	SYSTEMATIC TESTING OF ALTERNATIVE CLEANING CHEMICALS AND PROCESSES AND QUALIFY FOR USE.	HONEYWELL ENGINES AND SYSTEMS	200149	4
FREON 113	REPLACE ALL ODC CHEMICALS PLANTWIDE.	IDENTIFY TWO OR THREE MANUFACTURERS OF CLEANING CHEMICALS WHICH CAN SATISFY REQUIREMENTS (STANDARDIZE). SELECTED WR GRACE AND BRULIN BASED ON THEIR PERFORMACE AND PRODUCT USEFULNESS IN VARIED PROCESSES.	HONEYWELL ENGINES AND SYSTEMS	200149	5
FREON 113	REPLACE ALL ODC CHEMICALS PLANTWIDE.	SELECT AND TEST EQUIPMENT TO REPLACE THE ODC PROCESSES. OBTAIN LOANER EQUIPMENT, SEND PARTS TO VENDORS.	HONEYWELL ENGINES AND SYSTEMS	200149	6
FREON 113	PHASE OUT USE OF OZONE DEPLETING CHEMICALS SUCH AS FREON 113, AND 1,1,1-TRICHLOROETHANE	ACTION 1: MAINTAIN 50% REDUCTION OF FREON-113 EMISSIONS (BASED ON AVERAGE OF 1987 AND 1988 FIGURES)	HONEYWELL - 19TH AVE PHOENIX	200181	6
FREON 113	PHASE OUT USE OF OZONE DEPLETING CHEMICALS	ACTION 2: INSTALLED IN-LINE AQUEOUS CLEANER TO REPLACE SEVERAL DEGREASERS USING EITHER FREON-113 OR TCA	HONEYWELL - 19TH AVE PHOENIX	200181	7
FREON 113	REPLACE ALL ODC CHEMICALS PLANTWIDE.	DEVELOP A PROCEDURE TO ASSURE FUTURE CONTRACTS DO NOT CALL OUT FOR THE USE OF ODC's OR OTHER CHEMICALS, MATERIALS, OR PROCESSES. A GROUP WAS FORMED TO REVIEW ALL INCOMING PROPOSALS. EXCEPTIONS ARE REQUESTED WHEN HAZADROUS MATERIALS USE IS PROPOSED BY OUR CUSTOMERS.	HONEYWELL ENGINES AND SYSTEMS	200149	7
FREON 113	PHASE OUT USE OF OZONE DEPLETING CHEMICALS	ACTION 3: COMPARISON TESTING OF AQUEOUS CLEANERS VS. FREON BASED PRODUCTS	HONEYWELL - 19TH AVE PHOENIX	200181	8
FREON 113	REPLACE ALL ODC CHEMICALS PLANTWIDE	REVIEW AND MODIFY IN-HOUSE SPECS TO EXCLUDE REFERENCES TO ODC'S.	HONEYWELL ENGINES AND SYSTEMS	200149	8
FREON 113	PHASE OUT USE OF OZONE DEPLETING CHEMICALS	ACTION 4: CONSOLIDATION OF FREON BASED DEGREASERS TO REDUCE FREON CONSUMPTION AND EVENTUALLY PHASE IT OUT (FREON 113)	HONEYWELL - 19TH AVE PHOENIX	200181	9
FREON 113	REPLACE ALL ODC CHEMICALS PLANTWIDE.	DEVELOP A TESTING PROTOCOL FOR POTENTIAL NEW CLEANING CHEMICALS TO PRESCREEN THEM PRIOR TO INTRODUCING ACTUAL HARDWARE.	HONEYWELL ENGINES AND SYSTEMS	200149	9
FREON 113	ELIMINATE CFC IN ALL CLEANING OPERATIONS. TEST ALTERNATIVE CLEANERS TO REPLACE FREON 113 IN DEGREASERS AND HAND CLEANING IN SPACE SYSTEMS CONTROLS MANUFACTURING	REPLACE CFC 113 IN SOME CLEANING OPERATIONS WITH: A) PERFLUORINATED CLEANER (PF 5060), B) HEPTANE, C) AXAREL 2200 SEMI-AQUEOUS	HONEYWELL-SATELLITE SYSTEMS GROUP	200179	1
FREON 113	ELIMINATE CFC R-113 USAGE BY 1995 (GOAL 2 CONTINUATION OF GOAL 1)	CONTINUED: D) CO2 JET SPRAY CLEANING SYSTEM, E) PERFLUOROCARBONS (PFC), F) HIGH FLASH SOLVENT CLEANER, G) INSTALL A CFC-113 STILL TO RECYCLE	HONEYWELL-SATELLITE SYSTEMS GROUP	200179	2
FREON 113	ELIMINATE CFC R-113 USAGE BY 1995	INSTALL TWO CYCLOHEXANE/IPA WITH HYDROCARBON RINSE CLEANERS. INSTALL AQUEOUS SURFACTANT AND WATER RINSE IN GENERAL METAL CLEANING AREA	HONEYWELL-SATELLITE SYSTEMS GROUP	200179	3

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
FREON 113	ELIMINATE FREON 113 BY EVALUATING FLOW SOLDERING IN TINNING OPERATIONS TO IDENTIFY METHODS TO REDUCE SOLDER RESIDUE	EVALUATION PERFORMED A NEW CIRCUIT CARD CLEANING PROCESS ELIMINATED THE NEED FOR THIS GOAL.	HONEYWELL-SATELLITE SYSTEMS GROUP	200179	4
FREON 113	REPLACE OZONE DEPLETING SOLVENTS FREON 113 AND 1,1,1 TRICHLOROETHANE IN MANUFACTURING AND CLEAN OPERATIONS	REPLACE FREON 113 (GENESOLV) AND 1,1,1-TRICHLORO WITH SUBSTITUTE CLEANERS	HUCK FASTENERS	200183	2
FREON	REDUCE TOTAL ODC USE BY 25%	CONTACT MANUFACTURERS OF CURRENT ODC PRODUCTS USED IN THE LAB AND INVESTIGATE PRODUCT SUBSTITUTIONS. WORK WITH LAB MAINTENACE AND EQUIPMENT MANUFACTURERS TO DETERMINE FEASABILITY OF RETROFITTING TEST CHAMBERS WITH SUBSTITUTE NON-CLASS I ODC REFRIGERENTS.	IBM CORPORATION	200194	13
FREON 113	ELIMINATE USE OF FREON 113 (FREON TF)	EVALUATED TERPENE SOLUTIONS AND AQUEOUS CLEANERS. SELECTED "SAFEWASH 2000" A NON-FLAMMABLE SOLUTION OF DETERGENTS AND SOLVENTS IN 85% WATER	INTEL CORP.-DEER VALLEY FACILITY	200485	1
FREON 113	ELIMINATE THE USE OF 1,1,1 TRICHLOROETHANE AND FREON 113 CHEMICALS FROM ALL MANUFACTURING PROCESSES	REMOVE 1000 GAL FREON 113 HOLD TANK TO MINIMIZE EVAP LOSSES, USE SUBSTITUTES FOR TCA & FREON (NON OZONE DEPLETING CHEMICALS)	ITT CANNON - PHOENIX	200199	1
FREON 113	ELIMINATE FREON 113 AS A CLEANING/ DEGREASING SOLVENT IN POWER SUPPLY ASSEMBLY SURFACE MOUNT AREA	USE A NO CLEAN FLUX TECHNOLOGY (SUBSTITUTE IPA AIDED BY ULTRASONIC AGITATION)	LAMBDA ELECTRONICS, INC.	200214	3
FREON 113	ELIMINATE FREON 113 USE FOR VAPOR DEGREASING AND PARTS CLEANING	REPLACED FREON 113 USED IN VAPOR DEGREASERS AND DIP TANKS WITH "BRANSON MC-1" CLEANER IN BASINS WITH AGITATION/ RECIRCULATION.	LINCOLN LASER COMPANY	200217	2
FREON 113	REDUCTION/ELIMINATION OF OZONE DEPLETING CHEMICALS (CFC's)	REPLACE 3 FREON VAPOR DEGREASERS WITH AN AQUEOUS SYSTEM; INSTALL ALCOHOL DRYER TO REPLACE FREON TO DRY FIBER OPTICS	LITTON ELECTRO - OPTICAL SYSTEMS	200218	1
FREON 113	ELIMINATE CFC 113 FROM USE AS A COOLANT IN HEAT EXCHANGER AND AS A PARTS DEGREASER	PRODUCT SUBSTITUTION FROM CFC 113 TO HFC 134a	MICROCHIP TECHNOLOGY-CHANDLER	200247	5
FREON 12	REPLACE CFC 12 IN ASSORTED SMALL REFRIGERATION COMPRESSORS EXEMPLIFIED BY DRINKING FOUNDTAINS & PROCESS TOOL CHILLERS	PHYSICAL REPLACEMENT WITH HFC-134 (a) UNIT OR REFURBISH TO USE HFC 134 (a); AND PREFERENTIALLY PURCHASE NEW HFC-134(a) UNITS IF AVAILABLE FOR NEW PROJECTS	MICROCHIP TECHNOLOGY-CHANDLER	200247	6
FREON 113	ELIMINATE THE USE OF FREON 113 AS A SOLVENT FOR REMOVING DIODES FROM TAPE (50,000 PER DAY)	DESIGN AND INSTALL A HOT WATER SYSTEM TO REPLACE THE USE OF FREON 113	MICROSEMI CORP.	200246	1
FREON 113	ELIMINATE FREON 113 AS A SOLVENT USED TO REMOVE MINERAL OIL FROM DIODES TESTED IN A MINERAL OIL BATH (10 MIL PER YEAR)	REPLACE FREON 113 USE WITH A FLUOROINERT CHEMICAL WHICH IS ALSO USED IN ANOTHER TEST BATH IN THE HI-RELIABILITY TEST AREA	MICROSEMI CORP.	200246	2
FREON 113	ELIMINATE THE USE OF FREON 113 IN ALL MANUFACTURING PROCESSES	REPLACED FREON 113 WITH NON-OZONE DEPLETING TERPENE SOLVENT	MOTOROLA COMPUTER GROUP (DIABLO WAY)	200258	1
FREON	REDUCE THE AMOUNT OF WASTE PHOTORESIST AND CHEMICALS USED IN ETCHING AND CLEANING PROCESSES ASSOCIATED WITH THE NEGATIVE RESIST PROCESS.	REPLACE MECHANICAL PUMPS WITH MICROPROCESSOR CONTROLLED PRESSURE PUMPS TO CONTROL APPLICATION; SUBSTITUTE NEGATIVE WITH POSITIVE PHOTORESISTN PROCESS.	MOTOROLA SCG	200253	23
FREON 113	ELIMINATE TCA AND FREON 113 USED TO CLEAN WAX FROM BASE AND WAFERS.	USE WATER PLATE CLEANING PROCESS; USE A NON-ODC SOLVENT MIXTURE; RESEARCH WAXLESS MOUNT PROCESS.	MOTOROLA SCG	200253	6
FREON 113	REDUCE VOC EMISSIONS BY 10% PLANT WIDE.	INSTALL SOLVENT LOADING FACILITY. ELIMINATE FREON REPACKAGING. USE LESS VOLATILE SOLVENTS.	OLIN SPECIALITY PRODUCTS-CHANDLER	200271	2
FREON 113	ALTERNATE CLEANERS: ELIMINATE OZONE DEPLETING CHEMICALS FROM ALL MANUFACTURING PROCESSES BY THE END OF OCTOBER 1993	INSTALL AQUEOUS, IPA, ALKALINE CLEANERS AS REPLACEMENTS. REPLACE VAPOR DEGREASERS, INSTALL SEMIAQUEOUS SYSTEM FOR REWORK; REPLACE PERIPHERAL ODC SYSTEMS; REPLACE SECONDARY SOURCE EMISSIONS	RAYTHEON COMPANY USAF PLANT 44	200184	1

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
FREON 113	ELIMINATE ODC'S FROM MANUFACTURING: FLUX ALTERNATIVES - OBTAIN FEDERAL APPROVAL TO USE WATER SOLUBLE FLUXES	REPLACE NON-WATER SOLUBLE FLUX WITH SOLUBLE FLUX HP1189. ALLOW WATER SOLUBLE FLUX USE AS PROVIDED; APPROVED MIL-STD-2000 REVISION 4/93	RAYTHEON COMPANY USAF PLANT 44	200184	2
FREON 113/SOLDER FLUX	ELIMINATE ODC'S FROM MANUFACTURING: INERT ATMOSPHERE SOLDERING - ELIMINATE FLUX IN MICROELECTRONICS ASSEMBLY **DROPPED**	PERFORM TESTING TO IMPLEMENT AND QUALIFY INERT ATMOSPHERE SOLDERING PROCESS FOR USE FOR SUBSTRATE AND COMPONENT ATTACHMENTS	RAYTHEON COMPANY USAF PLANT 44	200184	3
FREON 113	OTHER SOURCE REDUCTION ACTIVITIES: FUSING AGENT ALTERNATIVES - REDUCE THE AMOUNT OF FREON 113 EMITTED BY 2000 LBS	CONDUCT FEASIBILITY STUDY OF PRINTER ALTERNATIVES OR VENDOR REFORMULATION OF THE FUSING AGENT. USE HCFC-141b AS SUBSTITUTE	RAYTHEON COMPANY USAF PLANT 44	200184	39
FREON 113	ELIMINATE FREON TF (FREON 113) AS A VAPOR DEGREASER.	USE SOLVENT SUBSTITUTION TO REPLACE FREON 113. AFTER TESTING, WE REPLACED FREON 113 WITH CIP 100 (POTASSIUM HYDROXIDE - CAS 1310-58-3)	SCHEIN PHARMACEUTICAL INC.	200360	5
FREON 113	REDUCE CFC-113 USE BY 50% IN 1992 AND COMPLETELY ELIMINATE ITS USE BY THE END OF 1995, 1989 IS THE BASELINE YEAR) (OVERALL)	ELIMINATE USE OF FREON-TMC, FREON-TF AND NON ESSENTIAL PRODUCTION BOTTLE USES IN 1992	TEXAS INSTRUMENTS TUCSON	200077	1
FREON 113	REDUCE USE OF CFC-113 IN LASER PROBE	CONVERT MANUFACTURING PROCESSES	TEXAS INSTRUMENTS TUCSON	200077	11
FREON 113	ACHIEVE AN 82% REDUCTION IN CFC 113 USE IN 1993 OVER 1989 USE	IMPLEMENT AN AQUEOUS CLEANING PROCESS FOR PREMARK CLEANING, ELIMINATING USE OF CFC 113	TEXAS INSTRUMENTS TUCSON	200077	2
FREON 11	ELIMINATE AN ODC AS A REFRIGERANT AND ELIMINATE THE POTENTIAL FOR A RELEASE TO THE ATMOSPHERE.	REPLACE FREON R-11 WITH R-123 IN A 1260 TON CENTRIFUGAL CHILLER UNIT.	THE BOEING COMPANY	200238	44
FREON 113	REDUCE THE WASTE STREAM OF SPENT SOLVENTS FROM HYDRAULIC AND FUEL PATH TESTING.	SOLVENT DISTILLATION UNITS DID NOT MEET EXPECTATIONS; REPLACED FREON WITH A PETROLEUM LIQUID TO ALLOW FOR RECYCLING OF PD680 TYPE II AND HYDRAULIC MIXTURE.	U.S. MARINE CORPS - YUMA AIR STATION	200407	1
FREON 113	ELIMINATE THE USE OF TRI CHLOROTRIFLUOROETHANE (FREON 113) IN MEDICAL DIVISION CLEANING OPERATIONS	REPLACE WITH AN AQUEOUS CLEANING SYSTEM AND AN AIR WASH SYSTEM.	W. L. GORE & ASSOC.(4TH ST.)	200429	2
FUEL, JP8, DIESEL (WASTE)	REDUCE THE AMOUNT OF WASTE FUEL.	MIX ALL USED FUELS FOR REUTILIZATION; BLEND JET FUEL WITH DIESEL FUEL TO BE BURNED IN GROUND VEHICLES	AZ DEPT OF EMERGENCY MILITARY AFFAIRS	200058	2
FUEL	REDUCE FUEL CONSUMPTION AND WASTE GENERATED FROM FUEL TANK SAMPLING.	SEGREGATE AND REUSE OF SAMPLING FUELS ON SITE.	EVERGREEN AIR CENTER. INC	200138	8
FUEL (GASOLINE)	8.O.D: REPLACE TWO 10,000 GAL UNDERGROUND GAS TANKS WITH TWO SMALLER ABOVE GROUND TANKS TO ELIMINATE POSSIBILITY OF LEAKING	REPLACE UNDERGROUND SINGLE WALLED TANKS WITH ABOVE GROUND NFPA APPROVED CONVAULT GAS TANKS	MCCULLOCH CORP (LAKE HAVASU)	200234	4
FUEL OIL (#6)	ELIMINATE THE POSSIBILITY OF SPILLS AND LEAKS INTO THE ENVIRONMENT.	IMPROVE SPILL AND LEAK CONTAINMENT SYSTEM FOR UNLOADING AND STORAGE OPERATIONS OF NUMBER 6 FUEL OIL.	NESTLE PURINA PETCARE CO (FKA RALSTON PURINA CO)	200310	5
FUEL	CONTAMINATED SOIL-EQUIPMENT MAINTENANCE: REDUCE THE NUMBER OF SPILLS WHEN PERFORMING MAINTENANCE ACTIVITIES ON EQUIPMENT BY 35%. REFER TO GOAL 9 FOR MEASUREMENT.	(1) FOR HYDRAULIC AND LUBE HOSE OIL SPILLS & LEAKS FROM HAUL TRUCKS AND OTHER SUPPORT EQUIPMENT, REPLACE ALL HYDRAULIC HOSES AT ENGINE REPLACEMENTS & ROUTINE HOSE INSPECTIONS DURING ALL PREVENTATIVE MAINTENANCE SCHEDULES; (2) FOR COOLANT SPILLS AND LEAKS FROM HAUL TRUCKS AND SUPPORT EQUIPMENT, REPLACE ALL COLLANT HOSES AT ENGINE REPLACEMENTS AND ROUTINE HOSE INSPECTION DURING ALLL PREVENTATIVE MAINTENANCE SCHEDULES; (3) FOR FUEL SPILLS & LEAKS FROM HAUL TRUCKS & SUPPORT EQUIPMENT, EDUCATE ALL EMPLOYEES ON PROPER PROCEDURERS FOR CHANGING FUEL FILTERS IN THE FIELD AND ROUTINE FUEL HOSE AND TANK INSPECTION DURING ALL PREVENTATIVE MAINTENANCE SCHEDULES.	PHELPS DODGE MINING, MORENCI BRANCH	200281	10
FUEL (TRUCK)	FUELING FACILITIES REDUCE FUEL SPILLAGE WHEN REFUELING TRUCKS.	REPLACE OLDER VINTAGE HAULAGE TRUCKS WITH NEW LARGER UNITS.	PHELPS DODGE MIAMI INC.	200115	2
FUEL	CONTAMINATED SOIL: REDUCE THE NUMBER OF ACCIDENTAL SPILLS WHEN FUELING OR LUBRICATIN EQUIOMENT BY 35%. FUEL CONTAINS TOLUENE, M-XYLENE, HEXANE, ETHYLBENZENE, BENZENE, AND CYLOHEXANE.	(1) PROPER IDENTIFICATION AND CORRECTIVE MEASURES FOR DEFECTIVE FUELING/LUBRICATION DEVICES, (2) DEVELOPMENT OF A SAFE OPERATING PRACTICE FOR FUELING/LUBRICATION EQUIPMENT OPERATION.	PHELPS DODGE MINING, MORENCI BRANCH	200281	8
FUEL ANTIFREEZE	PREVENT FUTURE RELEASES FROM 61 UNDERGROUND FUEL STORAGE TANKS.	1) REMOVE OR REPLACE WITH ABOVE GROUND STORAGE TANKS. 2) REPLACE WITH DOUBLE WALLED UST WITH LEAK SENSORS. 3) EQUIP SINGLE WALL TANKS WITH CONTINUOUS INVENTORY MONITORING AND CATHODIC PROTECTION	U.S. ARMY - FORT HUACHUCA	200404	4

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
FUEL TANKS	PREVENT FUTURE RELEASES FROM UNDERGROUND STORAGE TANKS.	REVIEW ALL ADDITIONAL UNDERGROUND FUEL TANKS FOR REPLACEMENT, REDISIGN, OR PERMANENT REMOVAL. DOWN FROM 59 TO 26 TANKS.	U.S. ARMY - FORT HUACHUCA	200404	5
FUEL (SPILLED JET)	REDUCE WASTE GENERATION FROM USE OF SPEEDY DRY/SAFE STEP (PUMACE BASED ABSORBANTS)	USE ABSORBANT PADS FOR JP-4; USE A ROLL OFF BIN TO REDUCE LANDFILL COSTS OF ABSORBANT; INSTALL A DIGESTER TO REDUCE VOLUMES	U.S.A.F. - LUKE	200409	9
FUEL	REDUCE COMBUSTION POLLUTANT (DIESEL AND PROPANE) IN THE MAINTENANCE SHOP AREA AND CONSERVE PETROLEUM FUELS	TURN OFF FORKLIFT AND LOADER ENGINES WHEN NOT IN USE (REDUCE IDLE TIME); KEEP ENGINE FILTERS CLEAN; COMBINE SHOPPING LISTS FOR ALL FOUR PLANT AREAS	WORLD RESOURCES COMPANY	200440	3
FUME DUST	REDUCE FUME DUST AND ADDITIONAL SLAG FROM CASTING PROCESS	INSTALL A MORE EFFICIENT AND IMPROVED MOLDING SYSTEM THUS REDUCING HOLD TIME ON MELTING FURNACES WHEN MOLTEN METAL HAS TIME TO COOL AND FORM SLAG	ME GLOBAL INC.	200079	1
GAMMA BUTYROLACTONE	ELIMINATE THE USE OF CLEANER CONTAINING GAMMA BUTYROLACTONE IN SCREEN CLEANING PROCESS.	SUBSTITUTE GAMMA BUTYROLACTONE WITH A LESS TOXIC SUBSTANCE	CIRCUIT EXPRESS, INC.	200097	7
GAMMA BUTYROLACTONE	REDUCE VOC EMISSIONS ON SOLDERMASK DEVELOPER LINE.	BY INVESTIGATING LOW OR NO VOC CHEMISTRY ALTERNATIVES.	SANMINA - SCI	200669	29
GAMMA BUTYROLACTONE	REDUCE CHEMICAL USAGE ON SOLDERMASK DEVELOPER LINES.	BY DETERMINING THE FEASIBILITY OF IN-LINE FILTERS TO REDUCE DUMP FREQUENCY.	SANMINA - SCI	200669	32
GAMMA BUTRYO LACTONE	REDUCE CHEMICAL USAGE ON SOLDERMASK DEVELOPER LINE.	BY DETERMINING THE FEASIBILITY OF EXTENDING PREVENTATIVE MAINTENANCE PERIODS IN ORDER TO REDUCE CHEMISTRY DUMPS.	SANMINA - SCI	200669	33
GAMMA BUTRYO LACTONE	DECREASE GENERATION OF GAMMA BUTRYO LACTONE CONTAMINATED DRUMS IN THE BLO STILL AREA.	BY DETERMINING THE FEASIBILITY OF A CLOSED LOOP DISTILLATION SYSTEM.	SANMINA - SCI	200669	35
GAS GENERANT	REDUCE THE AMOUNT OF SCRAP GAS GENERANT TO FIVE PERCENT OF THE TOTAL AMOUNT OF GAS GENERANT PRODUCED FACILITY WIDE. NOTE: GAS GENERANT CONSISTS OF A FUEL COMPONENT (SODIUM AZIDE) AND AN OXIDIZER COMPONENT (CUPRIC CHLORIDE) WHICH IS PRESSED INTO TABLETS.		TRW VEHICLE SAFETY SYSTEMS,MESA I	200395	1
GAS GENERANT (SODIUM)	COMPLETE PLANNING OF ORIGINAL GOAL: REDUCE THE AMOUNT (POUNDS) OF GAS GENERANT CONTAMINATED TRASH SENT OFF SITE FOR DISPOSAL TO 80% OF BASELINE QUANTITY	STUDY TRASH GENERATION 12/98. SOLICIT EMPLOYEE INPUT 12/98. CHARACTERIZE WASTE 3/99. DEVELOP P2 OPPORTUNITIES 4/99. EVALUATE P2 OPPORTUNITIES 5/99. ASSIGN DEADLINES AND RESPONSIBILITIES FOR SELECTED OPPORTUNITIES 5/99	TRW VEHICLE SAFETY SYSTEMS,MESA II	200369	11
GAS GENERANT	REDUCE OR ELIMINATE THE PRODUCTION OF WASTE GAS GENERANT COATING (SABAG LTD. GRAIN COATING).	END JOINT VENTURE WITH FIRM THAT MADE THE GRAINS.	TRW VEHICLE SAFETY SYSTEMS,MESA I	200395	2
GAS GENERANT	ELIMINATE OFFSITE SHIPMENTS OF SCRAP GENERANT FOR TREATMENT/DISPOSAL (OFFSITE SHIPMENTS ONLY FOR RECYCLING PURPOSES)	REDUCE SCRAP LEVELS; INCREASE AZIDE RECOVERY UNIT'S DISSOLUTION EXTRACTION TO ACCEPT ALL OFF-SPEC GAS GENERANT.	TRW VEHICLE SAFETY SYSTEMS,MESA I	200395	6
GASOLINE	REDUCE THE NUMBER OF ABOVE GROUND FUEL AND CHEMICAL STORAGE TANKS FROM 223 TO 193 BY 1999 THROUGH CONSOLIDATION OF FUELING STATIONS.	CONSOLIDATION OF FUELING STATIONS. THE FOLLOWING TANKS WERE REMOVED FROM SERVICE IN 1998. 1. ROAD OIL TANK AT MINE. 2. 4 USED OIL COLLECTION TANKS (2 FROM PLANT, 2 FROM MINE) 3. 30,000 GALLON GASOLINE STORAGE TANK AT MINE. 4. 500 GALLON DIESEL FUEL TANK AT PLANT MAINTENANCE SERVICES. 5 3 FRESH OIL STORAGE TANKS AT MINE MAINTENANCE SERVICES.	BHP COPPER, SAN MANUEL SMELTING AND REFINING	200226	12
GASOLINE	REMEDIATE 3 MAJOR EXISTING PETROLEUM SPILL SITES, MITIGATING POTENTIAL GOUNDWATER CONTAMINATION BY 1999	EXCAVATION, THERMAL DESORPTION, BIOREMEDIATION OF PETROLEUM CONTAMINATED SOILS. 1998 - APPROXIMATELY 80 TONS OF PETROLEUM CONTAMINATED SOILS HAVE BEEN EXCAVATED FROM EXISTING IMPACTED SITES.	BHP COPPER, SAN MANUEL SMELTING AND REFINING	200226	13
GASOLINE	CONSTRUCT 2 IMPERVIOUS SECONDARY CONTAINMENT STRUCTURES AT FUEL STATIONS AND CHEMICAL STORAGE TANKS BY 1999.	CONSTRUCTION OF CONCRETE, WATER STOPPED, IMPERVIOUS SECONDARY CONTAINMENT STRUCTURES. THE CONSTRUCTION OF THREE CONCRETE SECONDARY CONTAINMENT STRUCTURES WAS INITIATED IN CALENDAR YEAR 1998 AND COMPLETED EARLY IN CALENDAR YEAR 1999. THE THREE STRUCTURES WERE AS FOLLOWS: 1. SODIUM HYDROSULFIDE TANK AT MILL. 2. SODIUM CYANIDE TANKS AT MILL. 3. SULFURIC ACID TANK AT POWERHOUSE COOLING TOWER.	BHP COPPER, SAN MANUEL SMELTING AND REFINING	200226	14
GASOLINE	INSTALL ONE OIL/WATER SEPARATOR AND TRUCK STOP WASH PAD BY DECEMBER, 1999 TO PREVENT PETROLEUM CONTAMINATED SOIL.	INSTALL ONE OIL/WATER SEPARATOR AND TRUCK WASH PAD	BHP COPPER, SAN MANUEL SMELTING AND REFINING	200226	15
GASOLINE	DELIVER 10 TRAINING SEMINAR TO BHP EMPLOYEES WHICH DETAIL PROPER MANAGEMENT AND POLLUTION PREVENTION PRACTICES OF AND PERTAINING TO PETROLEUM "BEST MANAGEMENT PRACTICES".	DELIVER 5 SEMINARS	BHP COPPER, SAN MANUEL SMELTING AND REFINING	200226	16
GASOLINE AND VAPORS	REDUCE THE RATIO OF WASTE AUTOMOTIVE FUELS TO FUELS CONSUMED BY 20%	IMPLEMENT A MATERIALS MANAGEMENT PROGRAM TO REDUCE OR ELIMINATE NONVALUE ADDED ACTIVITIES THAT CREATE WASTE.	GM DESERT PROVING GROUNDS	200154	4

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
GASOLINE	REDUCE EMISSIONS FROM TRANSPORTATION EQUIPMENT DUE TO OFF-SITE TRANSFER OF WASTES TO OHIO.	(A) SHIP OFF-SITE TRANSFERS TO AN ARIZONA FACILITY RATHER THAN AN OHIO FACILITY, OR (B) TREAT, RECYCLE, AND REUSE SOME CHEMICALS ON SITE. THIS INCLUDES ACETONE, SHIPSHAPE (CLEANER), HYDRAULIC OIL, AND SOLID WASTE. 08/06/2002: HAZARDOUS WASTE PREVIOUSLY SENT TO AN OHIO FACILITY IS BEING SENT TO AN ARIZONA FACILITY.	MAAX SPAS ARIZONA, INC.	200102	19
GASOLINE	8.O.C: REDUCE THE AMOUNT OF WASTE OIL/GAS THAT IS SENT OFF-SITE AS HAZARDOUS WASTE FOR THERMAL DESTRUCTION.	RECYCLE AS MUCH GASOLINE AS POSSIBLE AND IMPROVE OPERATION AND RE-USE OF MIXED GASOLINE; RECYCLE OIL AS ON-SPEC USED OIL FOR FUEL BLENDING.	MCCULLOCH CORP (LAKE HAVASU)	200234	3
GASOLINE	8.O.H: REDUCE THE AMOUNT OF GAS POWERED FORKLIFTS BY 14.	ELIMINATE EXCESS FORKLIFTS: REPLACE GASOLINE FORKLIFTS WITH ELECTRIC AND PROPANE FORKLIFTS	MCCULLOCH CORP (LAKE HAVASU)	200234	8
GASOLINE (VOC & HAPS)	REDUCE THE AMOUNT OF VOC AND HAP EMITTED BY THE GASOLINE AST.	BY INSTALLING A STAGE 1 VAPOR RECOVERY SYSTEM FOR LOADING THE GASOLINE AST.	SCHUFF STEEL COMPANY-PHOENIX	200574	9
GASOLINE	REDUCE EMISSIONS FROM DISTILLATION UNIT IN THE EVENT OF UNIT UPSET. (1) RESEARCH UNIT DESIGN AND COSTS. (2) ORDER UNIT. (3) INSTALL OXIDIZER.	INCINERATE VAPORS	SEAPORT PETROLEUM CORPORATION	200603	1
GASOLINE	INSTITUTE GOOD HOUSEKEEPING TO AVOID SPILLS DURING PROCESS SAMPLING.	EMPLOYEE TRAINING	SEAPORT PETROLEUM CORPORATION	200603	2
GASOLINE	REDUCE EMISSIONS FROM TANKAGE AREA GENERATED BY LOADING AND UNLOADING OPERATIONS. ACTION PLAN - SEE GOAL #1	INCINERATE VAPORS	SEAPORT PETROLEUM CORPORATION	200603	3
GASOLINE	REDUCE EMISSIONS BY ENSURING TANK SAMPLE VENTS CLOSED WHEN GAUGING AND SAMPLING ARE NOT TAKING PLACE.	EMPLOYEE TRAINING AND GOOD HOUSEKEEPING.	SEAPORT PETROLEUM CORPORATION	200603	4
GASOLINE	PARKING LOTS: REDUCE GASOLINE EMISSIONS CREATED BY LIDS OFF GAS TANKS.	KEEP GAS CAPS ON TANKS. EDUCATE EMPLOYEES ON EMISSIONS RELEASED AND EVAPORATION ACTIVITY.	THE LARSON COMPANY	200215	11
GASOLINE	PARKING LOTS: REDUCE GASOLINE EMISSIONS FROM OVERFILLING TANKS.	DO NOT OVERFILL TANKS. EDUCATE EMPLOYEES ON GASOLINE EXPANSION AND WASTE OF RESOURCES.	THE LARSON COMPANY	200215	12
GASOLINE/ OIL	REDUCE GASOLINE AND OIL CONSUMPTION.	REPLACE 44 GASOLINE VEHICLES WITH ALTERNATIVE FUEL VEHICLES.	U.S. MARINE CORPS - YUMA AIR STATION	200407	19
GASOLINE	REDUCE GASOLINE USE	DEVELOP A CAR POOL PROGRAM	U.S. MARINE CORPS - YUMA AIR STATION	200407	25
GASOLINE AND VAPORS	REDUCE GASOLINE EMISSIONS	TRUCK DELIVERY: INSTALL ADVANCED TECHNOLOGY EQUIPMENT AS IT BECOMES AVAILABLE; GASOLINE TANK BREATHING LOSSES: UPDATE TANK PRESSURE VACUUM VENTS WITH NEW VENTS THAT HAVE A HIGHER OPENING PRESSURE SETPOINT.	UNION DISTRIBUTING CO. INC.--PHOENIX	200711	1
GENERANT	REDUCE THE AMOUNT OF SCRAP GENERANT TO 5% OF THE TOTAL PRODUCED	ELIMINATE THE LOW YIELD AGGLOMERATION UNIT; EXPAND INTERNAL RECYCLING ACTIVITIES INCLUDING REGRANULATION OF DISKS FOR REPRESSING; ADD NEW PRESSES	TRW VEHICLE SAFETY SYSTEMS,MESA I	200395	5
GENESOLV	ELIMINATE USE OF CFC'S IN FINAL ASSEMBLY AND VAPOR DEGREASING APPLI-CATIONS.	REPLACE TCA & GENESOLVE WITH TPC SOLVENT	PING, INC	200208	1
GLASS BEAD	REDUCE HEAVY METAL CONTAMINATION OF GLASS BEADS	INVESTIGATE NEW TECHNOLOGY; MAKE NECESSARY EQUIPMENT MODIFICATIONS	AUTOMOTIVE PARTS EXCHANGE	200504	2
GLASS BEAD	REDUCE USEAGE OF GLASS BEADS BY EXTENDING LIFE	USE GLASS BEADS UNTIL THEY ARE COMPLETELY SPENT	AUTOMOTIVE PARTS EXCHANGE	200504	3
GLASS BEAD	ELIMINATE USE OF GLASS BEADS (SILICON DIOXIDE) TO CLEAN ARSENIC DEPOSITS FROM ION IMPLANT PARTS. GOAL DROPPED.	EVALUATE THE USE OF SOLID CARBON DIOXIDE TO BLAST THE ARSENIC DEPOSITS FROM THE ION IMPLANT	MEDTRONIC, TEMPE	200240	6
GLASS BOTTLES	ELIMINATE GLASS BOTTLES FROM GOING TO LANDFILL.	SEND 100% CRUSHED GLASS BOTTLES TO A RCRA PERMITTED INCINERATION FACILITY TO USE AS FEEDSTOCK	MOTOROLA - MESA	200255	7
GLUTERALDEHYDE	REDUCE THE AMOUNT OF CIDEX (2% GLUTERALDEHYDE) PURCHASED BY 50%.	REPLACE CIDEX WITH A PEROXY ACETIC ACID.	UNIVERSITY MEDICAL CENTER	200422	3
GLYCEROL POLYETHER	8.2.10 #1: REDUCE THE OVERALL HAPs AND VOC EMISSIONS FROM THE CIRCUIT BOARD SOLDER LEVEL PROCESS USING FLUX AND OIL. GOAL- SUBSTITUTE LOWER VOC/NON HAPS PRODUCTS.	REPLACE DEXTER PRODUCT WITH AN ARDROX PC7655 FLUX WHICH CONTAINS CONSIDERABLY LESS ETHYLENE GLYCOL MONOBUTYL ETHER.	CONTINENTIAL CIRCUITS	200105	12
GLYCEROL POLYETHER	8.2.11 #2 REDUCE OVERALL HAPS AND VOC EMISSIONS. FOR THE RESIST LINE IN BUILDING C. GOAL 1.- IMPROVED EMISSION CONTROL.	ADD MORE VOC EMISSION CONTROLS, (ACTIVATED CARBON OR OXIDATION UNIT) TO SUPPLEMENT THE WET SCRUBBER.	CONTINENTIAL CIRCUITS	200105	13
GLYCOL ETHERS	REDUCE THE USE OF GLYCOL ETHER BY 5% IN THE ELECTROCOAT DEPOSITION PROCESS. (50% REDUCTION IN VOC IN PAINT COATINGS.)	INVESTIGATE DIFFERENT COATINGS THAT CONTAIN LOW VOCS AND HAPS; CONTACT OTHER COMPANIES AND WORK WITH SUPPLIERS. (7/00 - REDUCTION BY REFINING PAINT FINISH QUALITY FROM ELECTROCOAT DEPOSITION PROCESS HAS REDUCED TOPCOAT (SPRAY) USAGE BY 50%)	AIR SYSTEM COMPONENTS, L.P.	200019	1

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
GLYCOL ETHERS	(H) ELIMINATE SPILLAGE / EMISSIONS OF AMMONIUM SULFIDE AND SODIUM HYDROSULFIDE FROM HOSES USED TO UNLOAD MATERIAL.	RESEARCH ECONOMICAL WAYS TO ELIMINATE HOSE SPILLAGE; USE DRIP CONTAINERS WHERE CHEMICAL IS PUT BACK INTO PROCESS; INSTITUTE HOSE INSPECTION PROGRAM.	ALKEMIN, S. DE R.L. DE C.V.	200211	8
GLYCOL ETHERS	REDUCE THE USE OF MATERIALS CONTAINING GLYCOL ETHERS.	ALTERNATIVE COATINGS WITHOUT GLYCOL ETHERS WILL BE EVALUATED.	ASPEN FURNITURE, LLC-CLARENDON	200736	1
GLYCOL ETHERS	REDUCE THE USE OR THE CHEMICAL CONTENT OF THE MATERIALS INVOLVED, SO THAT THE USE OF ETHYLENE GLYCOL AND GLYCOL ETHERS FALLS BELOW THE REPORTING THRESHOLD.	AS OUTLINED IN SECTION 6, THIS IS A COMPLICATED PROBLEM INVOLVING THE INTEGRITY OF THE HOUSES. NEGOTIATE WITH SUPPLIERS; FIELD TEST PRODUCTS.	CAVCO INDUSTRIES, INC.-LITCHFIELD	200563	1
GLYCOL ETHERS	REDUCE THE USE OR THE CHEMICAL CONTENT OF THE MATERIALS INVOLVED, SO THAT THE USE OF ETHYLENE GLYCOL AND GLYCOL ETHERS FALLS BELOW THE REPORTING THRESHOLD.	AS OUTLINED IN SECTION 6, THIS IS A COMPLICATED PROBLEM INVOLVING THE INTEGRITY OF THE HOUSES. NEGOTIATE WITH SUPPLIERS; FIELD TEST PRODUCTS.	CAVCO INDUSTRIES, INC.-DURANGO	200564	1
GLYCOL ETHERS	REDUCE THE USE OF GLYCOL ETHERS AND ETHYLENE GLYCOL.	IMPROVE HOUSE KEEPING MEASURES AND REDUCE THE USE OF ETHYLENE GLYCOL AS A CLEANER.	CAVCO INDUSTRIES, INC.-LITCHFIELD	200563	2
GLYCOL ETHERS	REDUCE THE USE OF GLYCOL ETHERS IN INKS MADE IN-HOUSE BY 75%.	1) DEVELOP NEW LAMP CONSTRUCTIONS THAT DO NOT USE GLYCOL ETHER SOLVENTS 2) QUALIFY NEW LAMP CONSTRUCTIONS WITH CUSTOMERS 3) MANUFACTURE ALL NEW LAMP PROGRAMS WITHOUT USING GLYCOL ETHER SOLVENTS 4) QUALIFY OLD LAMP CONSTRUCTIONS, SUBSTITUTING OTHER MATERIALS FOR THE GLYCOL ETHERS, WITH CUSTOMERS 5) PHASE OUT OLD LAMP PROGRAMS WHICH REQUIRE THE USE OF GLYCOL ETHER SOLVENTS.	DUREL CORPORATION	200518	19
GLYCOL ETHERS	ELIMINATE THE USE OF ETHYLENE BASED GLYCOL ETHERS IN THE PHOTORESIST STRIPPING PROCESS. PROCESS: PHOTORESIST IS REMOVED FROM A BATCH OF 25 WAFERS IN A HEATED BATH. THE STRIPPER CONTAINS A GYLCOL ETHER (HAP & VOC). AFTER PROCESSING THE STRPPER AND WAFERS ARE RINSED WITH DI WATER AND DRIED.	REPLACE THE CURRENT STRIPPER WITH A LESS TOXIC STRIPPER WHICH DOES NOT CONTAIN ETHYLENE BASED GLYCOL ETHERS.	FLIP CHIP TECHNOLOGIES	200629	1
GLYCOL ETHERS	REDUCE THE HOURLY RATE (2.1 LBS./HR) OF VOC EMISSIONS BY 25% FROM THE PHOTORESIST STRIPPING PROCESS. (RELATED TO GOAL 1)	REPLACE CURRENT SOLVENT WITH A NEW SOLVENT WITH A LOWER VAPOR PRESSURE.	FLIP CHIP TECHNOLOGIES	200629	2
GLYCOL ETHERS	REDUCE THE AMOUNT OF STRIPPER USED PER WAFER (0.08 GALLONS/WAFER) BY 10%. (RELATED TO GOAL 1)	OPTIMIZE THE TIME WHICH EACH BATCH OF CHEMICAL IS USED AND IMPLEMENT DRAG OUT REDUCING PROCEDURES. (CURRENTLY USING A DESCEND DRAG TIME TO MINIMIZE DRIP TIME AND REDUCE THE AMOUNT OF STRIPPER USED.	FLIP CHIP TECHNOLOGIES	200629	3
GLYCOL ETHERS	ELIMINATE GLYCOL ETHERS USED AS AN INK "VEHICLE".	TEST THE FEASIBILITY OF USING POLYPROPYLENE GLYCOLS. FOUND SUBSTITUTE - POLYETHYLENE GLYCOL AND LINEAR ALCOHOL ALKOXYLATE. REFORMULATED AT R& D - REDUCED ALL VOC'S IN INKS	INX INTERNATIONAL INK CO	200004	2
GLYCOL ETHERS	REDUCE VOC EMISSIONS OF HAZARDOUS RAW MATERIALS.	SUBSTITUTE VOC CONTAINING RAW MATERIALS WITH LESS HAZARDOUS CHEMICALS.	IVC INDUSTRIAL COATINGS	200751	1
GLYCOL ETHERS	PHOTOLITHOGRAPHY (10.1): REDUCE USE OF CERTAIN GYLCOL ETHERS IN PHOTOLITHOGRAPHY PROCESSES BY 20%	REDUCE USAGE OF CERTAIN GLYCOL ETHERS THROUGH REFINEMENTS IN QUANTITIES/DURATION USED IN THE PHOTORESIST STRIPPING PROCESS. QUANTIFY ENDPOINTS OF OPTIMUM POST STRIPPER RINSE USE IN SPRAY SOLVENT TOOLS.	MOTOROLA-TEMPE	200259	29
GLYCOL ETHERS	REDUCE AMOUNT OF GLYCOL ETHERS EMITTED FROM FINISHING OPERATIONS BY 33% FROM 1996 LEVELS.	RESEARCH MATERIAL SUBSTITUTION.	MULAY PLASTICS, INC. (CASA GRANDE)	200260	4
GLYCOL ANTIFOAM	REDUCE THE AMOUNT OF CHEMICAL DEFOAMING AGENT NEEDED TO TREAT WASTE WATER WITH FROTHY FOAM.	INSTALL A MECHANICAL, PASSIVE, FOAM SUPPRESOR TO ELIMINATE NEED FOR DEFOAMING AGENT	NELCO TECHNOLOGY, INC.	200265	12
GLYCOL ETHER	REDUCE VOLUME OF WASTE WATER RELEASED TO THE NORTH TANK FARM SPILL CONTAINMENT TANK BY 15%.	EDUCATE WORKFORCE TO CONTROL SPILLS AND IMPROVE CLEANUP PROCEDURES; MODIFY EQUIPMENT LAYOUT IN MIX RM.	NORTHROP-GRUMMAN	200174	1
GLYCOL ETHER COMP.	REDUCE VOC EMISSIONS BY 10% PLANT WIDE.	INSTALL SOLVENT LOADING FACILITY. ELIMINATE FREON REPACKAGING. USE LESS VOLATILE SOLVENTS.	OLIN SPECIALITY PRODUCTS-CHANDLER	200271	2
GLYCOL ETHERS	REDUCE PRODUCT FROM ENTERING WWTP	PURCHASE A WET/ DRY SHOP VACUUM FOR CLEAN UP OF PACKAGING SPILLS	PROFESSIONAL CHEMICALS CORP	200538	3
GLYCOL ETHERS	REDUCE THE USAGE OF SOLVENT-BASED COATINGS AND INKS TO REDUCE VOC's.	EVALUATE IMPROVED COATINGS (HIGHER SOLIDS) AND INKS; NEW INSIDE CAN SPRAY VARNISH (REPLACED PPG CC3665 WITH CC3625CWD) AND SPRAY NOZZLES	REXAM BEVERAGE CAN COMPANY-PHX AZ FACILITY	200031	9

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
GLYCOL ETHERS	ELIMINATE THE USE OF GLYCOL ETHERS IN WIRESAW CLEANING SOLVENTS (7/00 - BASELINE QUANTITY 1998 6,215 GALLONS AND REPORTED REDUCTION 4,510 GALLONS 1999. CLEANING SOLVENT COMPLETELY REPLACED WITH SOLVENT CONTAINING ZERO GLYCOL ETHERS FOR 2000.)	REPLACE SOLVENT CONTAINING GLYCOL ETHERS WITH A SOLVENT THAT CONTAINS NO GLYCOL ETHERS.	SUMCO SOUTHWEST CORP	200628	1
GLYCOL	REDUCE DISPOSAL OF GLYCOL	IMPLEMENT GYLCOL RECYCLING BASE-WIDE FOR APPROPRIATED FUNDED ORGANIZATIONS.	U.S.A.F. - LUKE	200409	37
GLYCOL ETHERS	REDUCE SOLVENT REPACK - HOSE FLUSH WASTES BY 7% PER YEAR	REVISE PROCEDURES FOR USE OF NITROGEN TO FLUSH HOSES, (ACETONE, ETHYLENE GLYCOL, GLYCOL ETHERS, METHANOL, PCE, TCE, MEK, METHYLENE CHLORIDE, TOLUENE, XYLENE, TCA) WRITTEN OPERATING PROCEDURES FOR RINSING AND REPACKAGING.	UNIVAR USA, INC.	200426	7
GLYCOL ETHERS	MAINTAIN SOLVENT REPACK - FILTERS AND ABSORBENT WASTES TO BELOW 3500 LBS PER YEAR	DEVELOP WRITTEN OPERATING PROCEDURES.	UNIVAR USA, INC.	200426	8
GLYCOL ETHER	REDUCE THE AMOUNT OF ETCHANT LOST FROM DRAG OUT IN THE DIPPING PROCESS/HOT WATER RINSE STEP. THIS WILL ALSO REDUCE EMISSIONS OF GLYCOL ETHER & NAPTHALENE.	TEST MATERIALS AND TECHNIQUES THAT CAN EFFECTIVELY REMOVE SIGNIFICANT AMOUNTS OF DRAG OUT ETCHANT.	W. L. GORE & ASSOC.(4TH ST.)	200429	5
GLYCOL ETHER	REDUCE USAGE OF TOXIC CHEMICALS IN STAINS, SEALERS AND LACQUERS.	SUBSTITUTE NON TOXIC CHEMICALS FOR TOLUENE, XYLENE, 1,1,1 TRICHLOROETHANE, METHANOL, METHYL ETHYL KETONE AND GLYCOL ETHERS.	WOODSTUFF MANUFACTURING-43RD AVE	200459	1
GLYCOL ETHERS	EVALUATE POTENTIAL METHOD TO REDUCE SOLVENT USE IN FURNITURE FINISH COATS (STAIN, SEALER, LACQUER)	EVALUATE THE TECHNICAL FEASIBILITY OF CONVERTING TO WATER BASED FINISH COATINGS. RESEARCH WATERBORNE SYSTEM.	WOODSTUFF MANUFACTURING-43RD AVE	200459	2
GX-4 - METAL COMPOUND	REDUCE MATERIAL USE, PRODUCTION AND WASTE BY INCREASING PART LIFE BY 30%. THIS REDUCTION WILL REDUCE GX4, A METAL COMPOUND CONSISTING OF COBALT, CHROMIUM AND NICKEL.	REDUCE THE OVERALL METAL POOL THROUGH INCREASE IN PRODUCTION LIFE. DECREASE FUGITIVE EMISSIONS OF TOXIC MATERIALS THROUGH DECREASE IN REQUIRED PRODUCTION OUTPUTS.	JOHNS MANVILLE INTERNATIONAL INC.	200227	18
H2SO4	REDUCE THE USE OF NAOH & H2SO4 BY 100% IN WASTE TREATMENT	COMBINE PROCESS RINSES	CIRCUIT EXPRESS, INC.	200097	2
HALOGENATED SOLVENTS	USED PETROLEUM PRODUCTS: ELIMINATE THE USE OF HALOGENATED SOLVENTS.	TRIAL USAGE OF VARIOUS BIODEGRADABLE, NON-HALOGENATED PARTS CLEANERS	PHELPS DODGE MIAMI INC.	200115	7
HALON 1301	REMOVE THREE FIXED FIRE EXTINGUISHING SYSTEMS THAT CONTAIN HALON 1301.	USE SMOKE DETECTORS INSTEAD	MOTOROLA-TEMPE	200259	1
HAPS	REDUCE THE AMOUNT OF VOCs AND HAPs EMITTED DURING THE PAINTING PROCESS.	BY REDUCING THE NUMBER OF PAINT AND SOLVENT VENDORS TO THE MINIMUM NECESSARY; BY ENSURING THAT THESE VENDORS SUPPLY A WIDE VARIETY OF LOW AND FREE-VOC PAINTS AND SOLVENTS; BY UPGRADING EXISTING SPRAY GUNS USED IN THE PAINTING PROCESS WITH AIRLESS SPRAY GUNS; BY MONITORING THE OPERATOR'S ACCESS TO PAINTS AND SOLVENTS.	SCHUFF STEEL COMPANY-PHOENIX	200574	7
Hazardous waste and non-	3.3d: REDUCE THE QUANTITY OF HAZARDOUS WASTE GENERATED AT PROPELLANT PLANT NO. 3-CONTINUED.(THIS IS STILL PART OF OVERALL GOAL #8 AND THIS GOAL WILL BE MEASURED AS PART OF GOAL #8.)	3.3d GOAL C: TREAT SLUDGE FROM PROPELLANT PLANT 3 CLEANUP IN THE THERMAL TREATMENT UNIT. ACTION PLAN (1) ANALYZE THE STACK EMISSIONS FROM TREATING THIS WASTE BY JULY 31, 1994 (CLOSED 1995); ACTION PLAN (2) APPLY FOR OPERATING PERMIT MODIFICATIONS TO ALLOW BURNING OF THE SLUDGE IN THE THERMAL TREATMENT UNIT BY AUG. 31, 1994 (CLOSED 1995)	UNIVERSAL PROPULSION COMPANY INC.	200421	10
HAZARDOUS MATERIALS	REDUCE HAZARDOUS WASTE GENERATION IN CORD PLANT AND REDUCE THE NEED BY 40% FOR THE DESTRUCTION OF HAZ WASTE BY BURNING . *DROPPED*.	INSTALL A RECYCLE/RECLAIM SYSTEM CONSISTING OF REDISSOLVING AND SETTLING TANKS TO GAIN AN 80% HAZARDOUS WASTE REDUCTION.	APACHE NITROGEN PRODUCTS, INC.	200038	6
HAZARDOUS MATERIALS	REDUCE THE NUMBER OF CHEMICALS APPROVED FOR USE ONSITE BY 20%. BASELINE QUANTITY 1997 IS 3002 MSDS.	A.) EVALUATE THE APPLICATION OF PRODUCTS CONTAINING HAZARDOUS CHEMICALS. B.) PROVIDE GUIDANCE TO WORKERS WHERE ALTERNATE METHODS OR PRODUCTS CAN BE USED. C) MEASURE THE REDUCTION RATE OF HAZARDOUS CHEMICALS TO ENSURE THE GOALS CAN BE ACHIEVED BY TARGET DATE.	APS PALO VERDE NUCLEAR	200042	5
HAZARDOUS MATERIALS	REDUCE THE GENERATION OF PARTIALLY EMPTY AEROSOL CANS BY 30%.	REPLACE HAZARDOUS MATERIAL PRODUCTS THAT COME IN AEROSOL WHENEVER POSSIBLE.	APS PALO VERDE NUCLEAR	200042	7
HAZARDOUS MATERIALS	REDUCE THE AMOUNT OF UNUSED HAZARDOUS MATERIAL BEING DISPOSED BY 10%.	UTILIZE OFFSITE RECYCLE/REUSE OPTIONS RATHER THAN DISPOSE OF MATERIAL AS HAZARDOUS WASTE.	APS PALO VERDE NUCLEAR	200042	8
HAZARDOUS MATERIALS	REDUCE THE DISPOSAL OF UNUSED OR OUT OF SHELF LIFE HAZARDOUS CHEMICALS BY 15% OVER THE 5 YEARS OF THE PLAN. IMPLEMENT THE USE OF INTRA-COMPANY MATERIALS EXCHANGE PROGRAM.	PLACE LIST OF CHEMICALS THAT ARE TO BE DISPOSED OF ON INTRA-COMPANY EXCHANGE PROGRAM.	APS PALO VERDE NUCLEAR	200042	9
HAZARDOUS WASTE	REDUCE HAZARDOUS WASTE GENERATION AND RAW MATERIAL CONSUMPTION.	SWITCH TO PURER ANODES FOR NICKEL PLATING	AZ PLATING & ANODIZING CO	200062	15
HAZARDOUS MATERIALS	REDUCE THE AMOUNT OF PRODUCT SPILLED IN THE LOADING AREA.	TRAIN EMPLOYEES TO TAKE CARE WHEN LOADING CUSTOMER'S VEHICLES TO PREVENT THE SPILLING OF PRODUCT.	CARDINAL INDUSTRIAL FINISHES	200082	15

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
HAZARDOUS MATERIALS	REDUCE THE AMOUNT OF WASTE MATERIAL GENERATED DUE TO THE STORAGE OF PRODUCT BEYOND ITS SHELF LIFE.	ROTATE STOCK TO PREVENT SPOILAGE AND ONLY MAKE ENOUGH TO FILL THE ORDERS	CARDINAL INDUSTRIAL FINISHES	200082	16
HAZARDOUS MATERIALS	REDUCE THE USE OF CLEAN UP SOLVENT IN CLEANING SPILLED MATERIAL.	USE SAWDUST TO ABSORB SPILLED MATERIAL BEFORE USING SOLVENT. SEND SAWDUST OUT FOR INCINERATION (ENERGY RECOVERY). CHECK STORED MATERIAL DAILY TO PREVENT ANY SPILLS THAT MIGHT OCCUR AND TAKE CORRECTIVE ACTION.	CARDINAL INDUSTRIAL FINISHES	200082	17
HAZARDOUS MATERIALS	REDUCE THE NUMBER OF ACCIDENTS AND AMOUNT OF PRODUCT SPILLED.	PREVENT CLUTTER FROM ACCUMULATING IN AREAS WHICH COULD CAUSE ACCIDENTS AND SPILLING OF PRODUCT. EXPAND THIS TO ALL AREAS OF CONCERN.	CARDINAL INDUSTRIAL FINISHES	200082	18
HAZARDOUS MATERIALS	ELIMINATE THE USE OF CHEMICALS THAT CAN BE REPLACED WITH EXISTING PRODUCTS, OR CAN BE ELIMINATED COMPLETELY.	SHIP OFF-SITE UN-NEEDED OR UNTREATABLE CHEMICALS, USE UP REMAINDER OF CHEMICALS IN STOCK AND DO NOT RE-ORDER CHEMICALS. TREAT REMAINDER ON SITE.	CHEM RESEARCH CO	200085	17
HAZARDOUS WASTE SLUDGE	8.2.16 #2: REDUCE GENERATION OF BATCH TREATMENT SLUDGE BY 15% IN BLDGS. A, B & C.	PROCESS MODIFICATION: IDENTIFY WASTE STREAMS FOR SEPEREATE BATCH TREATMENT IN BLDGS. A, B & C.	CONTINENTIAL CIRCUITS	200105	22
HAZARDOUS WASTE	REDUCE THE AMOUNT OF SOLID HAZARDOUS WASTE GENERATED FROM EQUIPMENT CLEAN UP BY TEMPE PRODUCTS.	EVALUATE USING CLEANUP RAGS THAT CAN BE LAUNDERED.	CYTECFIBERITE	200185	32
HAZARDOUS MATERIALS	REDUCE THE TOTAL CHEMICAL USE (BOTH VOC AND NON-VOC MATERIALS) TO THE OPTIMAL LEVEL OF 150 LBS/EQUIVALENT UNIT.	1) IDENTIFY OPPORTUNITIES TO ENABLE CHEMICAL VENDORS TO PROVIDE SHIPMENTS TO TO AES SERVICE CENTER NETWORKS & CUSTOMERS RATHER THAN PHOENIX AES REPACKAGING AND SHIPPING THEM. 2) IDENTIFY OPPORTUNITIES TO PURCHASE & STORE CHEMICALS IN BULK CONTAINERS (TOTES). PROVIDE PERMITS & ASSEMBLE QUOTES FOR BULK STORAGE. 3) EXPLORE POINT OF USE TYPE AUTOMATIC DISPENSING EQUIPMENT FOR GLUE MIXING. 4) EXPLORE CHEMICAL MIXING & DISTRIBUTION WITHIN INDIVIDUAL CELLS. 5) IMPLEMENT KAISEN TEAMS TO REDUCE EXPIRATION PROBLEMS WITHIN THE CHEMICAL ROOM AND ON THE FLOOR.	GOODRICH-AIRCRAFT EVACUATION SYSTEMS	200073	16
HAZARDOUS MATERIALS	REDUCE WASTE GENERATION. HAZARDOUS WASTE INCLUDES ADHESIVE PRODUCTS IN VERMICULITE, SOLVENT 1288, BLACK URETHANE PAINT, NEOPRENE AND URETHANE ADHESIVES, MEK/ PAINT/ PRIMER, TOLUENE & ACETONE, RAGS WITH SOLVENT AND ADHESIVE CUPS, RHR PAINT. NON-HAZARDOUS WASTE INCLUDES FABRIC, CHEMICAL CANS AND BUCKETS, EMPTY DRUMS, GLOVES, Q-TIPS, NON-HAZARDOUS USED RAGS, COMPRESSOR BLOW DOWN, CARDBOARD, PAPER, PRINTER CARTRIDGES, ETC.	1) IMPLEMENT KAISEN TEAMS TO REVIEW AND IMPROVE AUTO-CUTTER PATTERN NESTING USING PART THIEVING OR MULTIPLE SLIDE INTEGRATION TECHNIQUES. 2) SEEK ALTERNATIVE/ RECYCLING OPPORTUNITIES FOR FABRIC SCRAPS. 3) IMPLEMENT COMPRESSOR BLOW-DOWN CLEANING TECHNOLOGIES. 4) IMPLEMENT TOTAL OFFSITE RECYCLING PROGRAM (E.G. CARTRIDGES, PAPER CANS). 5) COMPRESS FABRIC SCRAPS TO REDUCE TRASH VOLUME, ELIMINATE RECEPTACLES ON THE FLOOR, MINIMIZE GARBAGE PICK UP FREQUENCY FOR THE OPERATION & ENABLE IMPROVED RECYCLING OPPORTUNITIES WITH FABRIC SCRAPS.	GOODRICH-AIRCRAFT EVACUATION SYSTEMS	200073	17
HAZARDOUS WASTE	REDUCE QUANTITY OF WASTE STREAM #20 CONTAMINATED SOLID MATERIALS BY 50%.	SEGREGATE NON HAZARDOUS COMPONENTS (OILY RAGS AND METAL CHIPS) FROM HAZARDOUS MATERIAL (WIPES AND RAGS CONTAMINATED WITH MC, IPA, ACETONE) AT POINT OF USE. 2) LOOK FOR NONHAZARDOUS ALTERNATIVE SOLVENTS	IBM CORPORATION	200194	4
HAZARDOUS WASTE	OVERALL GOAL: REDUCE HAZARDOUS WASTE GENERATION PLANTWIDE: 1990 - 1992 (15%); 1992 - 1997 (25%)	SEE THE FOLLOWING SPECIFIC GOALS SEGREGATION OF WASTE AND RECYCLE PRS	INTEL CORP.- CHANDLER CAMPUS	200191	2
HAZARDOUS SOLID WASTE	REDUCE TOTAL VOLUME OF HAZARDOUS SOLID WASTE GENERATED BY 75% OVER 1989 QUANTITIES	IMPLEMENTED REDUCTION & CONSERVATION PRACTICES THROUGH TRAINING; INSTALLED COMPACTION EQUIPMENT; COMPLETED WASTE STREAM SURVEY, ELIMINATE HEAVY METALS IN PRODUCTION PROCESS	LITTON ELECTRO - OPTICAL SYSTEMS	200218	2
HAZARDOUS WASTE	REDUCE WASTE GENERATION STATUS SO FACILITY CAN QUALIFY AS A SMALL QUANTITY GENERATOR	THROUGH REDUCTION OF WASTES THE FACILITY HAS MET GENERATOR REQUIREMENTS FOR A SMALL QUANTITY GENERATOR	LITTON ELECTRO - OPTICAL SYSTEMS	200218	4
HAZARDOUS MATERIALS	REDUCE GLUE USAGE AND SCRAPES.	REDESIGN GLUE APPLICATORS AND SHEET DELIVERY SYSTEM REDUCING WASTE CLEAN-UP AND REDUCING GLUE APPLICATION RATE.	MUNTERS CORPORATION	200261	9
HAZARDOUS MATERIALS	INSURE ALL NEW HAZARDOUS MATERIALS ENTERING THE PLANT ARE REVIEWED PRIOR TO USE.	DEVELOP MATERIAL FLOW CHARTS AND TRACKING.	PRINTPACK INC.	200484	9
HAZARDOUS MATERIAL TRASH	HAZ WASTE DISPOSAL AND TREATMENT: REDUCTION IN HAZ MATERIAL TRASH	BEGIN PILOT PROJECT AMRAAM. IMPLEMENT A TRAINING/ AWARENESS PROGRAM TO EDUCATE EMPLOYEES	RAYTHEON COMPANY USAF PLANT 44	200184	24
HAZARDOUS MATERIAL TRASH	ANALYSIS OF HAZARDOUS MATERIAL TRASH: REDUCE HAZARDOUS MATERIAL TRASH BY 1/3.	IDENTIFY A PLAN BASED ON COST BENEFIT OF ALTERNATIVES; IMPLEMENT IN ONE AREA FIRST, THEN ACROSS PLANT SITE (BENCHMARK)	RAYTHEON COMPANY USAF PLANT 44	200184	42
HAZARDOUS MATERIALS	REDUCE QUANTITY OF HAZARDOUS WASTE GENERATED BY 30%	COMBINATION OF IMPROVED CHEMICAL MANAGEMENT, PRODUCT SUBSTITUTION, PROCESS IMPROVEMENTS, EDUCATION AND OTHER P2 INITIATIVES.	RAYTHEON COMPANY USAF PLANT 44	200184	61

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
HAZARDOUS WASTE	INCREASE ACCURACY OF TRACKING HAZARDOUS WASTE GENERATION	DEVELOP A UNIFORM WASTE CODE AND HANDLING PROCEDURE FOR EACH WASTE STREAM	SFPP, L.P (PHOENIX)	200337	1
HAZARDOUS CHEMICALS	DESIGN AND IMPLEMENT THE USE OF A COMPUTER PROGRAM WHICH CAN RESEARCH MANUFACTURING DESIGN PLANS FOR SPECIFIC CHEMICAL PRODUCTS USED IN PRODUCTION. ALLOW THE PROGRAM TO IMPLEMENT CHEMICAL CHANGES TO THE DRAWING TO PROVIDE A "GREENER" PRODUCT.	BY DEVELOPING A "SEARCH AND IDENTIFY" CRITERIA FOR CHEMICALS TO BE SUBSTITUTED FOR ODC OR VOC ITEMS, THE RESULT WILL BE A SOURCE REDUCTION EFFORT.	THE BOEING COMPANY	200238	29
HAZARDOUS WASTE	GENERAL: REDUCE THE GENERATION OF HAZ. WASTE BY 90% BY DEC. 2000 MEASURED BY THE FACILITY ANNUAL REPORTS		THE BOEING COMPANY	200238	3
HAZARDOUS MATERIALS	REDUCE HAZARDOUS WASTE BY ESTABLISHING A HAZARDOUS SUBSTANCE MANAGEMENT SYSTEM: (1): DETERMINE REQUIREMENTS FOR HAZARDOUS SUBSTANCE STORAGE, INCLUDING ESTABLISHING BASELINE QUANTITIES. (2) EVALUATE POLICY AND INSTITUTE CHANGES TO ELIMINATE MULTIPLE ORDERING OF HAZARDOUS MATERIALS. (3) DESIGN SPECIFICATIONS FOR HSMS, INCLUDING HARDWARE AND SOFTWARE NEEDS. (4) IDENTIFY SUITABLE STRUCTURE TO USE OR REMODEL FOR CENTRALIZED HSMS STORAGE AREA. (5) BEGIN INSTALLATION WIDE OPERATION HSMS.	DESIGN SPECIFICATIONS AND ESTABLISH INVENTORY, STORAGE AND DISPOSAL OF HAZARDOUS SUBSTANCES.	U.S. ARMY - YUMA PROVING GROUND	200406	5
HAZARDOUS WASTE	SUPPLY SYSTEM: REDUCE WASTE GENERATION ** GOAL DROPPED **	ENCOURAGE USE OF EXCESS MATERIALS; ALTERNATIVES TO HAZARDOUS MATERIALS; USE PRIOR TO SHELF LIFE EXPIRATION BY IMPROVING INVENTORY SYSTEM	U.S.A.F. - LUKE	200409	1
HAZARDOUS MATERIAL EXCESS	USE DEFENSE REUTILIZATION AND MARKETING ORGANIZATION TO REUTILIZE EXCESS MATERIALS NOT USABLE ON SITE	IMPLEMENT A (CENTRALIZED) HAZARDOUS MATERIALS PHARMACY ON-SITE; IMPROVE EACH SHOP'S P2 AWARENESS	U.S.A.F. - LUKE	200409	2
HAZARDOUS WASTE	IMPROVED FEEDBACK CAN LEAD TO QUICKER P2 IMPLEMENTATION WHEN NEW PROBLEMS ARISE.	IMPROVE THE HAZARDOUS WASTE TRACKING TO FACILITATE CONSISTENCY OF INTERPRETATIONS.	U.S.A.F. - LUKE	200409	39
HAZARDOUS WASTE	REDUCE HAZARDOUS MATERIALS USE AND THEREBY REDUCE POTENTIAL HAZARDOUS WASTE GENERATION.	REQUIRE REVIEW AT HMMC OF PRODUCT ALTERNATIVES DURING PURCHASING PROCESS TO ENCOURAGE PURCHASE OF ENVIRONMENTALLY FRIENDLY PRODUCTS.	U.S.A.F. - LUKE	200409	40
HAZARDOUS WASTE	TRACKING IMPROVEMENTS WILL BE REQUIRED TO PROVIDE DATA ON RECYCLING WHICH IS CURRENTLY DIFFICULT TO TRACK OR NOT TRACKED.	IMPLEMENT EFFECTIVE TRACKING OF HAZARDOUS WASTE RECYCLING ACTIVITIES, BOTH OFF SITE AND ON-SITE.	U.S.A.F. - LUKE	200409	41
HAZARDOUS WASTE	REDUCE GENERATION OF HAZARDOUS WASTES AS NECESSARY TO CHANGE GENERATOR STATUS FROM LARGE QUANTITY TO SMALL QUANTITY GENERATOR.	1. INCREASE PARTS WASHER SERVICE INTERVALS. 2. ON-SITE RECYCLING BY AN OUTSIDE VENDOR. 3. ELIMINATE USE OF HAZARDOUS SUPPLEMENTAL LIQUIDS IN OTHERWISE NON-HAZARDOUS CLEANING TANKS	U-HAUL INTERNATIONAL TECHNICAL CENTER	200403	3
HAZARDOUS WASTE	REDUCE RCRA WASTE FROM CYLINDERS CONTAINING COMPRESSED HAZARDOUS GASES	WORK WITH PURCHASING DEPARTMENT TO IDENTIFY SUPPLIERS WHICH WILL ACCEPT RETURN OF PARTIALLY EMPTY CYLINDERS, IMPROVE TRACKING	UNIVERSITY OF ARIZONA	200424	6
HCFC-141b	ELIMINATE THE USE OF HCFC-141B.	UTILIZE ALTERNATE CHEMICALS. FINE TUNE % MIXTURES TO OPTIMIZE CELLULAR FORMATION AND KEEP FLAMMABILITY DOWN. EVALUATE VENDORS FOR REACTIVITY PROFILE OF CHEMICAL COMPONENTS. WHEN CHANGING FROM AN ODC TO A VOC, MAY HAVE TO USE CATALYTIC OXIDIZERS AND / OR SCRUBBER; ADD FIRE RETARDANTS TO MEET UL STANDARDS. ALSO CONTINUE TO DEVELOP FORMULATIONS THAT MINIMIZE VOC EMISSIONS AND OPTIMIZE INSULATION VALUE.	ATLAS ROOFING CORPORATION	200053	4
HCFC-141b	ELIMINATE THE AMOUNT OF HCFC USED TO BY CHANGING FOAM MIXTURE.	PURCHASE FOAM CHEMICALS WITH A REPLACEMENT BLOWING AGENT OTHER THAN HCFC 141B.	KC PANELS, INC.	200699	1
HCFC-141b	ELIMINATE THE USE OF HCFC -141b AS A DEGREASER OF SHEET METAL	FIND AN ALTERNATIVE CLEANING MATERIAL/REVIEW SEVERAL OPTIONS	LAMBDA ELECTRONICS, INC.	200214	4
HCFC-141b	REDUCE AMOUNT OF SPRAY FOAM USED ON THE SPAS. 1. REDESIGN SHELL & CABINET 2. MONITOR USAGE AMOUNTS.	RAISE FOOTWELL IN SHELLS TO ACCOMODATE THE USE OF NON-CFC EPS (EXPANDED POLY STYRENE) FOAM ON THE CABINET FLOOR. INSTALL SCALE OF FLOW METER. EMPLOYEE TRAINING ON THE IMPORTANCE OF USAGE MONITORING TO ASSURE EXCESS FOAM IS NOT USED.	MAAX SPAS ARIZONA, INC.	200102	10
HCFC-141b	ELIMINATE THE USE OF HCFC 141b AS A BLOWING AGENT.	INITIATE RESEARCH AND DEVELOPMENT WITH IN-HOUSE ENGINEERS AND VENDORS TO FIND A COMPATABLE FOAM FOR OUR PROCESS.	MAAX SPAS ARIZONA, INC.	200102	11
HCFC-141b	ELIMINATE HCFC FOAM BLOWING AGENT	REPLACE THE HCFC BLOWING AGENT IN INSULATION FOAM WITH A NON-HCFC BLOWING AGENT.	SOUTHWEST DISTRIBUTING COMPANY	200344	7
HDPE DRISCOPIPE	REDUCE THE VOLUME OF DRISCOPIPE DISPOSED OF IN ON-SITE LANDFILL. (GOAL 1, PROCESS AREA # 12).	IDENTIFY ALTERNATIVE USE OR RECYCLE.	PHELPS DODGE SIERRITA, INC.	200694	12

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
HEAVY METALS	HOUSEKEEPING AND PREVENTIVE MAINTENANCE OF WET FLOOR: REDUCE THE GENERATION OF RCRA DEBRIS (FILTERS, RAGS,ABSORBANT, ETC)	ACQUIRE CONTAINERS FOR RCRA DEBRIS SEGREGATION. DEVELOP RCRA SEGREGATION PLACARDS. TRAIN EMPLOYEES.	SOUTHBAY CIRCUITS, INC.	200586	12
HERBICIDES AND PESTICIDES	REDUCE THE RISK TO THE ENVIRONMENT AND HUMAN HEALTH ASSOCIATED WITH PESTICIDES AND HERBICIDES USED ON ROADWAYS.	INVESTIGATE POTENTIAL HEALTH AND ENVIRONMENTAL RISKS OF CURRENT PESTICIDE/HERBICIDE APPLICATION. REPLACE THOSE THAT POSE A HIGH RISK WITH A LESS TOXIC MATERIAL. POST NOTIFICATIONS OF SPRAY APPLICATION ON ROADWAYS DURING USE TO REDUCE RISK OF HUMAN EXPOSURE.	ADOT- SAFETY AND HEALTH SECTION	200009	18
HERBICIDES AND PESTICIDES	ELIMINATE THE USE OF HERBICIDES IN AREAS WHERE HIGH RISK OF HUMAN CONTACT OR ENVIRONMENTAL CONTAMINATION EXIST.	IN AREAS WHERE A HIGH RISK OF HUMAN CONTACT EXISTS (I.E. WHERE CAMPING OCCURS WITHIN 1/4 MILE OF THE ROADWAY) USE PHYSICAL MEANS TO REMOVE UNWANTED PLANTS. (MOWING, TILLING, PAVING, PLANTING SHORT STATURE COMPETITIVE GROUND COVER)	ADOT- SAFETY AND HEALTH SECTION	200009	19
HERBICIDES AND PESTICIDES	REDUCE SPILLED HERBICIDE MATERIAL AT TRUCK FILLING LOCATIONS.	ENSURE MATERIALS ARE NOT SPILLED WHEN TRUCKS ARE FILLED WITH WATER BY INSTALLING AN AUTOMATIC SHUT OFF VALVE OR REQUIRING AN ATTENDANT TO MONITOR THE OPERATION.	ADOT- SAFETY AND HEALTH SECTION	200009	20
HEXACHLOROETHANE	MELTING DEPARTMENT: REDUCE EMISSIONS FROM MELTING ALUMINUM WHERE HEXACHLOROETHANE IS USED TO REMOVE OXYGEN DURING MELTING	REPLACE THE USE OF THE HEXACHLOROETHANE DEGASSING TABLETS WITH NITROGEN INJECTION SYSTEM AND RETRAIN THE MELTERS	ARIZONA CASTINGS, INC.	200477	2
HEXAFLUOROETHANE	THIN FILMS, CHEMICAL VAPOR DEPOSITION: REDUCE C2F6 HEXAFLUOROETHANE (CFC-116), CONSUMPTION BY 23% IN CHAMBER CLEANING OPERATION. (C2F6 IS A GREENHOUSE GAS)	CHEMICAL SUBSTITUTION OF C3F8 (PERFLUOROPROPANE- CAS 76-16-4) FOR C2F6 (HEXAFLUOROETHANE) IN CHAMBER CLEANING OPERATION.	STMICROELECTRONICS, INC.	200585	11
HEXAFLUOROETHANE	THIN FILMS, CHEMICAL VAPOR DEPOSITION: IMPLEMENT A MICROWAVE CLEANING PROCESS ON A CENTURA TEOS CHAMBER TO REDUCE C2F6 CONSUMPTION BY 15%. HEXAFLUOROETHANE (C2F6) IS A GREENHOUSE GAS.	REPLACE HEXAFLUOROETHANE (C2F6) WITH MICROWAVE CLEAN.	STMICROELECTRONICS, INC.	200585	12
HEXAFLUOROETHANE	ETCH: REDUCE PERFLUORO COMPOUND EMISSIONS. IDENTIFY OPTIONS FOR PROCESS OPTIMIZATION, ABATEMENT AND/OR RECYCLE OR PERFLUORO COMPOUNDS. 1) SIGN PFC AGREEMENT WITH EPA. 2) IDENTIFY PFC USAGE BY TOOL. 3) INVESTIGATE OPTIONS FOR PROCESS OPTIMIZATION, ABATEMENT. 4) PARTICIPATE IN SEMATECH STUDY FOR PFC'S.	EVALUATION AND BENCHMARKING TO REDUCE PERFLUORO COMPOUNDS (PFC) EMISSIONS.	STMICROELECTRONICS, INC.	200585	6
HEXANE	REDUCE HEXANE USAGE THRU OPERATIONAL EFFICIENCIES	PROVIDE A HIGHER LEVEL OF PLANT MAINTENANCE TO REDUCE THE AMOUNT OF HEXANE EMISSIONS	ANDERSON CLAYTON CORPORATION	200592	1
HEXANE	8.2.13 #1: REDUCE AMOUNT OF HEXANE USED TO WIPE PHOTOGRAPHIC FILM THAT EXPOSES THE CIRCUITRY ONTO THE PHOTORESIST IN BUILDINGS A,B,	ELIMINATE THE USE OF FILM CLEANERS USING HEXANE; TRAIN WORKERS TO USE LESS.	CONTINENTIAL CIRCUITS	200105	17
HEXANE	REDUCE THE TOTAL NUMBER OF UNIT TRANSFERS PER DAY BY 5% EACH YEAR FOR THE NEXT 5 YEARS (INCLUDING NON-VALUE ADDED CHEMICAL SHIPMENTS TO OFFSITE FACILITIES) IN SLIDE PRODUCTION, PAINTING & SHIPPING.	1) IDENTIFY OPPORTUNITIES TO ENABLE CHEMICAL VENDORS TO PROVIDE SHIPMENTS TO AES SERVICE CENTER NETWORKS & CUSTOMERS RATHER THAN PHOENIX AES REPACKAGING AND SHIPPING THEM. 2) IDENTIFY OPPORTUNITIES TO PURCHASE & STORE CHEMICALS IN BULK CONTAINERS (TOTES). PROVIDE PERMITS & ASSEMBLE QUOTES FOR BULK STORAGE. 3) EXPLORE POINT OF USE TYPE AUTOMATIC DISPENSING EQUIPMENT FOR GLUE MIXING. 4) EXPLORE CHEMICAL MIXING & DISTRIBUTION WITHIN INDIVIDUAL CELLS.	GOODRICH-AIRCRAFT EVACUATION SYSTEMS	200073	15
HEXANE	REDUCE AIR EMISSIONS TO LESS THAN 25 TONS/YEAR FOR TOTAL HAZARDOUS AIR POLLUTANTS (HAPS) AND 10 TONS/YEAR FOR ANY HAP.	1. COVER ADHESIVE CONTAINERS 2. COVER BRUSH CLEAN SOLVENT CONTAINERS 3. COVER RAGS 4. ELIMINATE FINAL CLEAN PROCESS	GOODRICH-AIRCRAFT EVACUATION SYSTEMS	200073	4
HEXANE	REDUCE TOLUENE, ACETONE, MEK AND HEXANE AIR EMISSIONS BY 5% PER YEAR COMPARED TO 1994 PRODUCTION LEVELS	DEVELOP WATER BASED ADHESIVE, UTILIZE NEW URETHANE LESS ADHESIVE. UTILIZE WATER-BASED RHR PAINT 7, UTILIZE FABRICDS (REQUIRE LESS CLEANING)	GOODRICH-AIRCRAFT EVACUATION SYSTEMS	200073	8
HEXANE	REDUCE HEXANE AND CEMENT USAGE AND IMPROVE HEXANE CAPTURE EFFICIENCY	REPLACE EDGE DIPPING PROCESS WITH EDGE SPRAYING PROCESS TO INCREASE TRANSFER EFFICIENCY AND CAPTURE EFFICIENCY (EDGE SPRAY WAS NOT TECHNICALLY FEASIBLE. THE EDGE SPRAY BOOTH, THAT WAS INSTALLED, WAS USED TO CAPTURE FUGATIVE EMISSIONS FROM EDGE DIP CARTS. THE EDGE DIP CARTS WERE STORED IN AN OPEN AREA, AND NOW THE OFF-GASING HEXANE IS CAPTURED IN THE BOOTH. THE BOOTH IS DUCTED TO THE SOLVENT RECOVERY SYSTEM.)	PENN RACQUET SPORTS	200598	2.1
HEXANE	REDUCE EMISSIONS OF HEXANE FROM VOC CONTAINERS AND IMPROVE PRODUCT QUALITY	INCREASE FREQUENCY OF AUDITS OF VOC CONTAINERS AND FEEDBACK TO EMPLOYEES. OPEN CONTAINERS SHOULD BE KEPT CLOSED TO REDUCE EMISSIONS AND IMPROVE PRODUCT QUALITY.	PENN RACQUET SPORTS	200598	2.2

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
HEXANE	EVALUATE REPLACING HEXANE BASED ADHESIVES WITH LATEX BASED ADHESIVES. 1) DETERMINE IF LATEX ADHESIVES ARE AVAILABLE FOR SPRAYING OPERATIONS BY DECEMBER 1999 (7/00 - LATEX ADHESIVES ARE NOT AVAILABLE FOR SPRAYING OPERATIONS LATEX ADHESIVES MAY BE USED IN THE "BACKCOAT" FELT COATING OPERATION. LATEX TESTING FOR LATEX ON FELT COATING HAS TAKEN PLACE IN PENN IRELAND.) 2) TEST LATEX ADHESIVES IN SPRAYING OPERATIONS BY JULY 2000 3) PERFORM QUALITY TESTS AND PERFORMANCE TESTS OF LATEX ADHESIVES BY SEPTEMBER 2000 4) PRODUCE BALLS WITH LATEX BASED ADHESIVE BY JANUARY 2002	REPLACE HEXANE BASED CEMENT WITH LATEX BASED CEMENT	PENN RACQUET SPORTS	200598	2.4
HEXANE	REDUCE THE AMOUNT OF SOLVENT USAGE THROUGH MODIFYING TEST METHODS, PURCHASING MORE EFFICIENT APPARATUS, ELIMINATING PARTICULAR TESTS WHEN PRODUCTS WITHIN SPECIFICATIONS.	THROUGH PURCHASING MORE EFFICIENT LABORATORY TEST EQUIPMENT, MODIFYING TEST PROCEDURES, AND ELIMINATING SPECIFIED TESTS.	REVLON CONSUMER PRODUCTS CORP.	200315	4
HEXANE	3.5a 3.5b: GOAL A-REDUCE TOTAL PURCHASE OF HEXANE (IN AIR BAG INITIATOR POWDER PRODUCTION) TO LESS THAN 40,000 POUNDS PER YEAR, AND 3.5b GOAL B-REDUCE EMISSIONS FROM EQUIPMENT CLEANING TO LESS THAN 7,500 POUNDS PER YEAR. *GOAL DROPPED*	3.5a GOAL A: ACTION PLAN (1) DETERMINE AN ALTERNATE CLEANER (CLOSED) ; ACTION PLAN (2) INSTALL RECYCLING EQUIPMENT (CLOSED 1/2002). 3.5b GOAL B: REDUCE EMISSIONS FROM CLEANING OPERATIONS AND POWDER PRODUCTION TO LESS THAN 7,500 POUNDS /YR (CLOSED 2000).	UNIVERSAL PROPULSION COMPANY INC.	200421	12
HW (NON-RCRA WASTE)	REDUCE WASTE WATER PRETREATMENT SLUDGE.	RESEARCH ALTERNATIVE CHEMICALS, TEST, IMPLEMENT REPLACEMENT CHEMICALS, RESEARCH NEW PHOSPHATE SYSTEM, EVALUATE, INSTALL NEW SYSTEM	ADOBEAIR, INC.	200008	3
HW	REDUCE HAZARDOUS WASTE PRODUCED AND SHIPPED OFFSITE TO BELOW 26,400 POUNDS.	INCREASE PERSONNEL AWARENESS; SUBSTITUTE COMMERCIAL PRODUCTS THAT DON'T CREATE HAZARDOUS WASTES.	APS PALO VERDE NUCLEAR	200042	3
HW	REDUCE HAZARDOUS WASTE GENERATION STATUS FROM LQG TO SQG.	RECYCLING, PRODUCT SUBSTITUTION, SOURCE REDUCTION.	APS DEER VALLEY SERVICE CENTER	200040	3
HW	REDUCE WASTE GENERATED AS A RESULT OF AMMONIA AND FLUORIDE WASTE WATER SOURCE REDUCTION ACTIVITIES. ACTION PLAN (1) IMPLEMENT PROCEDURE TO SEGREGATE AND TRACK WASTE VOLUMES GENERATED SEPARATE FROM OTHER OFF-SPEC MATERIALS REQUIRING DISPOSAL BY JULY 2000 - COMPLETED, (2) DETERMINE BASELINE QUANTITY BY DECEMBER 2000 - COMPLETED, (3) TRAINING COMPLETED AND REDUCTIONS IMPLEMENTED BY DECEMBER 2001.	IMPLEMENT TRAINING PROGRAM FOR EMPLOYEES ON MANAGEMENT OF TANK FLUSH AND DRAIN MATERIAL TO PREVENT CROSS CONTAMINATION OF MATERIALS THAT PROHIBIT REWORK.	ARCH CHEMICALS, INC.	200608	14
HW	REDUCE HAZARDOUS WASTE GENERATED FROM PURIFICATION OF PHOSPHORUS OXYCHLORIDE BY 50%.	OPTIMIZE THE DISTILLATION PROCESS TO REDUCE THE FORERUN AND HEEL CUTS THAT ARE DISPOSED OF AS WASTE WHILE MAINTAINING PRODUCT QUALITY. IMPROVE PRODUCT YIELD BY REDUCING WASTE GENERATION FROM 1.24 LB/LB OF PRODUCT TO 0.62 LB/LB OF PRODUCT.	ARCH CHEMICALS, INC.	200608	15
HW	REDUCE ANNUAL HAZARDOUS WASTE DEBRIS GENERATED FROM SOLVENT PROCESS AREA BY 20%.	TRACK SOLID WASTE GENERATED IN THE PROCESS AREA IDENTIFYING SOURCE. SEGREGATE HAZARDOUS WASTE AND NON-HAZARDOUS WASTE. IMPROVE EMPLOYEE TRAINING ON HOW TO HANDLE HAZARDOUS WASTE. IMPROVE OPERATING PRACTICES, SPILL AND LEAK PREVENTION.	ARCH CHEMICALS, INC.	200608	16
HW	REDUCE HAZARDOUS WASTE GENERATED IN ACADEMIC AND RESEARCH LABORATORY OPERATIONS. (12/99 REPORTED REDUCTION QUANTITY 9,055 LBS.)	CONDUCT MORE PRECISE HAZARDOUS WASTE DETERMINATIONS, CHANGE PROCEDURES, PROMOTE LIMITED QUANTITY PURCHASES, AND ENCOURAGE MORE AGGRESSIVE REUSE OF SURPLUS CHEMICALS.	ARIZONA STATE UNIVERSITY-RISK MGMT.	200064	10
HW - CHROMATED COPPER ARSENICALS	REDUCE/ ELIMINATE HW GENERATED FROM CCA AND BORON PROCESSES BY SPLITTING OUT EFFLUENT WATERS.	INSTALL A PAC-BOR AND DRICON EFFLUENT TANK FOR REUSE OF BORATE SYSTEM EFFLUENT INSTEAD OF GETTING SLUDGE FROM MIXING THE BORON CONTAINING EFFLUENT WITH CCA EFFLUENT.	ARIZONA PACIFIC WOOD PRESERVING, INC.	200488	15
HW - CHROMATED COPPER ARSENICALS	ELIMINATE SLUDGING AND DECREASE AMOUNT OF HW GENERATED DURING CYLINDER CLEANING.	PURCHASE AND INSTALL A CUSTOM PRESSURE WASHER THAT WILL CLEAN THE INSIDE OF THE CYLINDER BEFORE CHANGING OUT PRODUCT TYPES WHICH WILL PREVENT CROSS-CONTAMINATION OF DIFFERENT PRODUCTS.	ARIZONA PACIFIC WOOD PRESERVING, INC.	200488	16
HW	REDUCE AND RECOVER DRAGOUT.	REDUCTION OF DRAGOUT BY INSTALLATION OF SPRAY RINSES WITH FOOT SWITCHES, FLOW RESTRICTORS ON COUNTER CURRENT RINSE TANKS AND ADJUSTMENT OF HOIST RETRACTION SPEED.	ASTROPLATE INCORPORATED	200051	6
HW - RAGS	REDUCE THE AMOUNT OF CONTAMINATED RAGS GENERATED DUE TO AIRCRAFT AND ROUTINE HOUSE CLEANING.	LIMIT THE QUANTITY OF SHOP RAG INVENTORY FROM 32000 RAGS PER MONTH TO 23000 RAGS PER MONTH AND LOOK FOR ANOTHER ALTERNATIVE TO MANAGE RAGS.	AVIATION MANAGEMENT SYSTEMS, INC.	200130	7
HW - PAINT STRIPPING SLUDGE	REDUCE THE VOLUME OF HAZARDOUS WASTE SHIPPED OFFSITE FROM AIRCRAFT STRIPPING OPERATIONS.	USE A COMPACTOR TO MINIMIZE THE NUMBER OF DRUMS REQUIRED TO SHIP PAINT STRIPPING WASTE OFFSITE.	AVIATION MANAGEMENT SYSTEMS, INC.	200130	9
HW - CHROMIUM	REDUCE CHROMIUM WASTE IN PRESENT COATING BY 20%.	DEVELOP VAPOR DEPOSITION COATING AND IMPLEMENT THE USE OF THIS COATING.	CHROMIZING ARIZONA	200095	14

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
HW - CHROMIUM	REDUCE COATING COMPOUND CONTAINING CHROMIUM METAL POWDER IN DIFFUSION COATING PROCESS.	MODIFY COATING POWDER TO PROLONG USEFUL LIFE BEFORE BEING DISCARDED.	CHROMIZING ARIZONA	200095	18
HW	REDUCE THE AMOUNT OF MOP WATER CONTAINNG LEAD BY 20% THAT IS MANIFESTED AS A HAZARDOUS WASTE TO AN OFFSITE TSDF.	CREATE LESS HW GOING OFFSITE BY EVAPORATING OFF WATER PORTION.	CORNING GILBERT INC. -PHOENIX	200549	4
HW - LEAD SOLDER SPONGES	REDUCE THE GENERATION OF LEAD CONTAMINATED SOLDER SPONGES FROM THE MANUFACTURING AREA BY 35% BEFORE 7/1/1998 THROUGH OUTSOURCING ACTIVITIES TO HAVE THE SUB-ASSEMBLY MANUFACTURING PERFORMED BY ANOTHER COMPANY THAT IS BETTER SUITED FOR THE PROCESS.	THROUGH OUTSOURCING ACTIVITIES TO HAVE THE SUB-ASSEMBLY MANUFACTURING PERFORMED BY ANOTHER COMPANY THAT IS BETTER SUITED FOR THE PROCESS.	HONEYWELL ENGINES & SYSTEMS (TUCSON)	200025	16
HW - SOLVENT WIPES/DEBRIS	REDUCE GENERATION OF SOLVENT WIPES/DEBRIS FROM THE MANUFACTURING AREA BY 5% BEFORE 12/1/1999 THROUGH EMPLOYEE AWARENESS AND TRAINING ON THE ISSUES OF DAMAGE TO THE ENVIRONMENT, COST SAVINGS, AND STRESSING THAT THEY FIND NEW METHODS TO REDUCE THEIR OWN WASTE.	THROUGH EMPLOYEE AWARENESS AND TRAINING IN THE ISSUES OF DAMAGE TO THE ENVIRONMENT, COST SAVINGS, AND STRESSING THAT THEY FIND NEW METHODS TO REDUCE THEIR OWN WASTE.	HONEYWELL ENGINES & SYSTEMS (TUCSON)	200025	17
HW - SOLVENT WIPES & DEBRIS	REDUCE THE GENERATION OF SOLVENT WIPES/DEBRIS FROM THE MANUFACTURING AREA BY 25% BEFORE 7/1/1998 THROUGH OUTSOURCING ACTIVITIES TO HAVE THE SUB-ASSEMBLY MANUFACTURING PERFORMED BY ANOTHER COMPANY THAT IS BETTER SUITED FOR THE PROCESS.	THROUGH OUTSOURCING ACTIVITIES TO HAVE THE SUB-ASSEMBLY MANUFACTURING PERFORMED BY ANOTHER COMPANY THAT IS BETTER SUITED FOR THE PROCESS.	HONEYWELL ENGINES & SYSTEMS (TUCSON)	200025	18
HW - SUNDRY CHEMICALS	REDUCE THE AMOUNT OF HAZARDOUS WASTE GENERATED DUE TO EXPIRED UNUSED CHEMICALS.	TRAIN EMPLOYEES TO CAREFULLY PLAN CHEMICAL NEEDS BY PURCHASING ONLY THE AMOUNT OF CHEMICALS NEEDED.	HONEYWELL - 19TH AVE PHOENIX	200181	21
HW - SOLVENTS	REDUCE THE AMOUNT OF HAZARDOUS WASTE GENERATED BY THE FACILITY WIDE USE OF AEROSOL CANS FOR PAINTING AND CLEANING.	PURCHASE AN AEROSOL CAN RECOVERY SYSTEM, CALLED AEROSOLV, TO COLLECT RESIDUAL SOLVENT WASTE REMAINING IN CANS.	HONEYWELL - 19TH AVE PHOENIX	200181	22
HW	ELIMINATE THE GENERATION OF HAZARDOUS WASTE FROM THE WASTE WATER TREATMENT FACILITY.	INSTALL AN ION EXCHANGE SYSTEM IN THE AIR SENSORS AREA. EVALUATE ION EXCHANGE AND RO IN THE LABS (GLASS, WHITE CUBE AND MATERIALS).	HONEYWELL - 19TH AVE PHOENIX	200181	24
HW	REDUCE AIR EMISSIONS, HAZARDOUS WASTE AND SOLID WASTE	IMPLEMENT AN ENVIRONMENTAL MANAGEMENT SYSTEM TO OBTAIN 14001 CERTIFICATION. THIS IS A SYSTEMS APPROACH TO ENVIRONMENTAL COMPLIANCE AND STEWARDSHIP PROGRAMS, INTENDED TO DRIVE COST AND ENVIRONMENTAL IMPACT REDUCTIONS. (1) IDENTUFY ENVIRONMENTAL ASPECTS AND IMPACTS, (2) MAPPING OF ENVIRONMENTAL PROCESSES, (3) ESTABLISH ROBUST DOCUMENTATION PROGRAMS	HONEYWELL ENGINES AND SYSTEMS	200149	28
HW - SOLVENTS	INVESTIGATE THE FEASIBILITY OF RECYCLING WASTE SOLVENTS IN WASTE COATINGS USING A SOLVENT STILL.	REVIEW THE FEASIBILITY OF SOLVENT RECYCLING ON SITE USING A SOLVENT STILL INSTEAD OF USING A SOLVENT RECYCLING SERVICE. IF FEASIBLE, BUY AND INSTALL A SOLVENT STILL TO RECYCLE WASTE SOLVENTS AND COATINGS.	HUNTER DOUGLAS WOOD PRODUCTS	200597	2
HW - INK, SOLVENTS, CHROMIUM DIOXIDE	REDUCE DRUMMED HAZARDOUS WASTE GENERATION (PER COATED UNIT OF OUTPUT) BY 10% FROM 1/1/2000 TO 6/30/2000 BASELINE GENERATION RATE. (CHEMICALS ARE THF, MEK, MIBK AND CHROMIUM DIOXIDE).	INSTALL AND FINE TUNE THE FE-BASED INK MANUFACTURING PROCESS DURING Q1, Q2 OF 2000 AND DETERMINE BASELINE WASTE GENERATION RATE. OPTIMIZE FILTER USAGE TO REDUCE SPENT FILTER CONTRIBUTION TO DRUMMED HAZARDOUS WASTE GENERATION.	IMATION CORPORATION	200001	12
HW - MEK LADEN	REDUCE AMOUNT OF MEK LADEN HAZARDOUS WASTE GENERATED BY APPROXIMATELY 50% FROM Q3-Q4, 1999.	INSTALL INTERIM DISTILLATION PROCESS EQUIPMENT BY END OF Q2 OF 2000 TO STRIP WATER FROM THE MEK LADEN HW THEREBY GENERATING A SMALLER AND MORE CONCENTRATED VOLUME OF WASTE.	IMATION CORPORATION	200001	13
HW - MEK LADEN	REDUCE GENERATION OF MEK LADEN HAZARDOUS WASTE LIQUID SHIPPED OFFSITE (CHEMICALS ARE MEK, THF AND MIBK).	PURSUE EXEMPTION WITH STATE OF CALIFORNIA TO ALLOW RECOVERY OF HAZARDOUS WASTE AT IMATION FACILITY IN CALIFORNIA. FAILING THAT, INSTALL NEW DISTILLATION EQUIPMENT AT TUCSON IMATION FACILITY TO RECOVER HW ONSITE.	IMATION CORPORATION	200001	14
HW - SOLVENTS	REDUCE THE AMOUNT OF HAZARDOUS WASTE GENERATED BY IMPROVING THE FE-BASED MEDIA PROCESS YIELD BY 10%. NOTE: A PROCESS YIELD IS WEIGHT OF COATED MEDIA PRODUCED DIVIDED BY THE WEIGHT OF RAW MATERIALS (PIGMENTS, SOLVENTS AND SUBSTRATE) USED TO MAKE THE MEDIA (CHEMICALS ARE THF, MEK AND MIBK).	A PROCESS YIELD IMPROVEMENT WILL REDUCE THE AMOUNT OF HAZARDOUS WASTE GENERATED PER UNIT OF "COATED OUTPUT". OPPORTUNITIES WILL BE DETERMINED AFTER PROCESS IS INSTALLED.	IMATION CORPORATION	200001	15
HW - SOLVENTS	REDUCE PHENOLIC RESIN WASTE CREATED DURING RESIN SYSTEM CHANGEOVERS.	CONSTRUCT AND OPERATE A RESIN RECIRCULATION SYSTEM AND DEDICATED PIPELINES.	ISOLA LAMINATE SYSTEMS	200268	10
HW - RESIN/SOLVENT CONTAMINATED	WASTE STREAM #2: REDUCE RAGS, MOPS, GLOVES AND OTHER SOLID WASTES WHICH ARE CONTANINATED WITH RESIN AND SOLVENTS GENERATED IN CLEAN UP.	LIMIT ADMINISTRATIVE METHODS; USE OF SOLVENTS FOR CLEAN-UP AS WIPE DOWN METHODS. INCREASED USE OF CLOSED LOOP, CIRCULATION IN PLACE METHODS TO LIMIT SPILLS AND SPLASHING.	ISOLA LAMINATE SYSTEMS	200268	4
HW	ELIMINATE THE GENERATION OF HAZARDOUS WASTE SLURRY FROM THE OPTICAL COMPONENT SHOP	REDUCE THE TOTAL AMOUNT OF WATER IN WASTE SLURRY TO REDUCE TOTAL VOLUME AND POTENTIALLY ELIMINATE SOLUBLE LEAD IN THE WASTE GENERATED; EVALUATE GLASS UTILIZED TO DETERMINE IF GLASS CAN BE REPLACED WITH REDUCED LEAD OR NON-LEAD GLASS	LITTON ELECTRO - OPTICAL SYSTEMS	200218	20

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
HW	REDUCE THE SOLID HAZARDOUS WASTE STREAM DISPOSAL BY 60% TOTAL VOLUME	REDUCE THE COLLECTION AND CO-MINGLING OF NON-HAZARDOUS WASTE SUCH AS WIRE AND RTV FROM THE WASTE STREAM; SEGREGATE EACH WASTE STREAM, AND RE-PROFILE AS SEPARATE WASTE STREAMS TO REDUCE CO-MINGLING OF HAZARDOUS AND NON-HAZARDOUS WASTE, AND ALLOW OPPORTUNITIES FOR RECYCLING; REDUCE OR ELIMINATE THE USE OF LISTED SOLVENT CONTAMINATED WIPES FOR CLEANING VIA PRODUCT SUBSTITUTION; SEGREGATE AND RECYCLE ALL LEAD BY-PRODUCTS.	LITTON ELECTRO - OPTICAL SYSTEMS	200218	21
HW - OIL	PREFERENTIALLY CHOOSE "DRY" PROCESS VACUUM PUMP SYSTEMS RATHER THAN OIL DIFFUSION PROCESS VACUUM PUMP SYSTEMS; REPLACE EXISTING OIL DIFFUSION SYSTEMS WITH DRY SYSTEMS AS THE OPPORTUNITY ARISES. (PERTAINS TO OIL DIFFUSION SYSTEMS THAT DO NO USE FLUORINATED OIL, WHICH IS RETURNED TO MANUFACTURER FOR RECLAMATION) ELIMINATE WASTE OIL FROM OIL VACUUM PUMPS.	WHERE AVAILABLE AND COMPATIBLE WITH THE MANUFACTURING PROCESS, PURCHASE "DRY" PUMP SYSTEMS RATHER THAN OIL DIFFUSION SYSTEMS; OR REPLACE EXISTING OIL DIFFUSION SYSTEMS WITH DRY SYSTEMS. 1995: INCLUDE TEMPE FAB 2	MICROCHIP TECHNOLOGY-CHANDLER	200247	19
HW - (PAINTS & THINNERS)	REDUCE THE AMOUNT OF HAZARDOUS WASTE PRODUCED BY OUR FINISHING DEPARTMENT BY 60% FROM THE BASELINE YEAR		MULAY PLASTICS, INC. (CASA GRANDE)	200260	3
HW	REDUCE AMOUNT OF SPILLS THROUGH TRAINING.	CHARACTERIZE SPILLS, DEVELOP BMPS, SETUP TASKS, TRAIN EMPLOYEES, CONDUCT AUDITS, TRACK TRAINING AND DEVELOP REPORT.	NORTH STAR STEEL ARIZONA	200615	17
HW - SOLVENTS	REDUCE AEROSOL CAN BASED HAZARDOUS WASTE.	REPLACE AEROSOL CAN SOLVENTS WITH BULK SOLVENTS.	PHELPS DODGE MIAMI INC.	200115	22
HW	REDUCE QUANTITY OF NON-REGULATED WASTE GENERATED AND SHIPPED OFF-SITE FOR DISPOSAL BY 30%	COMBINATION OF IMPROVED CHEMICAL MANAGEMENT, PRODUCT SUBSTITUTION, PROCESS IMPROVEMENT, INCREASED PARTICIPATION IN RECYCLING PROGRAMS, EDUCATION, AND OTHER P2 INITIATIVES.	RAYTHEON COMPANY USAF PLANT 44	200184	62
HW - SUNDRY CHEMICALS	REDUCE HAZARDOUS WASTE GENERATED PLANT WIDE BY 20%.	OBTAIN BETTER INVENTORY MANAGEMENT CONTROL OVER FRESH CHEMICALS SO THAT THEY DO NOT EXPIRE AND THEREFORE BECOME A HAZARDOUS WASTE.	SANMINA - SCI	200669	82
HW	REDUCE HAZARDOUS WASTE GENERATED PLANT WIDE BY 20%.	EXTEND BATH LIVES, RECYCLE OR USE OTHER ENGINEERING METHODS ON THE PROCESS LINES TO REDUCE HAZARDOUS WASTE GENERATION.	SANMINA - SCI	200669	83
HW - SOLVENTS	ELIMINATE HAZARDOUS WASTE GENERATED AT WASHRACK.	POST SIGNS INDICATING THAT ONLY VEHICLE EXTERIORS SHOULD BE RINSED ON THE WASHRACK. INCREASE EMPLOYEE AWARENESS REGARDING SOLVENT USE, WASTE DISPOSAL, EQUIPMENT RINSING, AND OTHER RELATED SUBJECTS FOR WORKERS IN THE MAINTENANCE AREA.	SCHUFF STEEL COMPANY-GILBERT	200681	14
HW - SOLVENTS	REDUCE HAZARDOUS WASTE GENERATED DURING SPRAY COATING OPERATIONS (PHOENIX).	DEVELOP MORE EFFICIENT INVENTORY AND PAINT USE PRACTICES TO REDUCE COATING OVER-MIX; THEREBY REDUCING WASTE GENERATED. SEGREGATE DISPOSAL OF COATING RESIDUALS SUCH THAT COATINGS THAT HAVE NOT BEEN THINNED OR WOULD NOT BE CLASSIFIED AS HAZARDOUS WASTE ARE NOT DISPOSED IN THE HAZARDOUS WASTE ACCUMULATION DRUM. INVESTIGATE REPLACING A PORTION OR ALL USE OF XYLENE AND MEK WITH SOLVENTS CONTAINING NO TOXIC SUBSTANCES.	SCHUFF STEEL COMPANY-GILBERT	200681	7
HW - SOLVENTS	REDUCE HAZARDOUS WASTE GENERATED DURING SPRAY COATING OPERATIONS (GILBERT).	DEVELOP MORE EFFICIENT INVENTORY AND PAINT USE PRACTICES TO REDUCE COATING OVER-MIX; THEREBY REDUCING WASTE GENERATED. SEGREGATE DISPOSAL OF COATING RESIDUALS SUCH THAT COATINGS THAT HAVE NOT BEEN THINNED OR WOULD NOT BE CLASSIFIED AS HAZARDOUS WASTE ARE NOT DISPOSED IN THE HAZARDOUS WASTE ACCUMULATION DRUM. INVESTIGATE REPLACING A PORTION OR ALL USE OF XYLENE AND MEK WITH SOLVENTS CONTAINING NO TOXIC SUBSTANCES.	SCHUFF STEEL COMPANY-GILBERT	200681	8
HW - SOLVENTS	REDUCE POTENTIAL FOR SPILLS IN SPRAY COATING AREA, AND POTENTIAL FOR SPILLS TO IMPACT SOIL BENEATH SPRAY COATING AREA.	TEMPORARY: LAY STEEL PLATES IN PRODUCT MIXING AND TRANSFER AREAS. PERMANENT: PAVE MIXING AND TRANSFER AREAS. PLACE THE FIVE-GALLON BUCKETS WHICH ARE IN USE ON A SECONDARY CONTAINMENT SKID.	SCHUFF STEEL COMPANY-GILBERT	200681	9
HW - XYLENE, ALCOHOLS	REDUCE THE AMOUNT OF IGNITABLE WASTE GENERATED.	EVALUATE NEW METHODOLOGIES AND INSTRUMENTATION.	SONORA QUEST LABORATORIES, LLC	200579	2
HW - PAINT AND SOLVENTS	REDUCE THE AMOUNT OF PAINT AND SOLVENT WASTE GENERATED FROM APPROXIMATELY 18% TO LESS THAN 10% OF THE TOTAL AMOUNT OF PAINT AND SOLVENTS USED.	MORE CLOSELY MONITOR THE AMOUNT OF PAINT AND SOLVENT REQUIRED FOR EACH OPERATION.	STURM RUGER AND COMPANY, INC.	200362	22
HW - SOLVENTS, CAUSTICS, OIL, SLUDGE, ETC)	COMPLETE EXTERNAL AUDITS OF WASTE VENDORS TO DETERMINE ALTERNATIVE TREATMENT METHODS AND/OR REUSE OPTIONS.	COMPLETE AUDIT FORMAT, SCHEDULE AND COMPLETE OVERALL ASSESSMENTS, AND DETERMINE CRITERIA FOR RATING VENDORS.	SUMCO SOUTHWEST CORP	200628	5
HW	REDUCE HAZARDOUS WASTE STREAMS (OBSOLETE CHEMICALS)	MAKE AREA GENERATING WASTE RESPONSIBLE FOR COST OF DISPOSAL	TALLEY DEFENSE SYSTEMS - PLT 4	200370	4

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
HW - RAGS/GREASE/CAUSTIC PAINT	REDUCE THE QUANTITY OF RAGS SHIPPED OFFSITE AS A HAZARDOUS WASTE BY 50% THROUGH SOURCE CONTROL MEASURES OR RECYCLING. 1. EVALUATE REGS AND ECONOMICS, 2. IMPLEMENT PROGRAM.	SHIP RAGS TO AN INDUSTRIAL LAUNDRY RECYCLER AND REUSE INSTEAD OF SHIPPING OFFSITE AS HAZARDOUS WASTE.	TED LEVINE DRUM CO	200376	12
HW	REDUCE HAZARDOUS WASTE BY SEGREGATING THE RCRA FROM THE NON-RCRA SCRAP METAL.	TRAIN THE WASTE MANAGEMENT STAFF; INCREASE THE SAMPLING PROGRAM; PRODUCT SEGREGATION	THE BOEING COMPANY	200238	33
HW - CHROMIUM	REDUCE THE AMOUNT OF HAZARDOUS WASTE GENERATED BY A CHEMFILM APPLICATION PROCESS.	MODIFY THE PROCESS TO INCLUDE SEGREGATING RINSE WATER (CITY WATER) PRIOR TO ALLOWING THIS WATER TO COMINGLE WITH THE ALODINE SOLUTION IN A LIQUID COLLECTING BASIN.	THE BOEING COMPANY	200238	34
HW - OIL	REDUCE THE QUANTITY OF CONTAMINATED OIL DISPOSED OF AS A HAZARDOUS WASTE.	INCREASE SHOP PERSONNEL TRAINING, PROVIDE IMPROVED SEGREGATION OF WASTE TO PREVENT SOLVENT CONTAMINATION OF USED OILS. INCREASE RECYCLING AS FUEL.	THE BOEING COMPANY	200238	35
HW - PAINT FILTERS	REDUCE THE QUANTITY OF USED PAINT FILTERS DISPOSED OF AS A HAZARDOUS WASTE (BASED ON CHROMIUM CONTAMINATION DURING THE PAINTING PROCESS).	INSTALL PRESSURE GAUGES TO DETERMINE THE PRESSURE DROP ACROSS PAINT BOOTHS. CHANGE THE USED FILTERS BASED ON PRESSURE INSTEAD OF WEEKLY RECURRING SCHEDULE.	THE BOEING COMPANY	200238	36
HW - PAINTS & THINNERS	REDUCE THE AMOUNT OF HAZARDOUS WASTE GENERATED FROM RAW MATERIALS.	FORM A SPECIAL TASK TEAM COMPRISED OF PURCHASING, MATERIAL WAREHOUSING AND SHEA TO IDENTIFY WASTE MATERIALS WHICH RESULT FROM EXPIRED SHELF-LIFE, OVER BUYING OR IMPROPER MIN-MAX LEVELS.	THE BOEING COMPANY	200238	37
HW - OIL	REDUCE THE AMOUNT OF WASTE SHIPPED FOR DISPOSAL AS USED OIL FILTERS FROM A VEHICLE MAINTENANCE OPERATION.	COMPLY WITH THE HOT DRAINED FILTER PROCESS TO PERMIT THE RECYCLING OF USED OIL FILTERS. THESE ITEMS WILL BE RECYCLED AS REBAR FOR THE CONSTRUCTION INDUSTRY. FORMERLY DISPOSED OF IN A PRODUCTION WASTE STREAM WITH NUMEROUS CODES. LOCATE AN APPROVED VENDOR PERMITTED TO RECYCLE USED OIL FILTERS.	THE BOEING COMPANY	200238	41
HW - PETROLEUM STORAGE TANK RESIDUAL	REDUCE HAZARDOUS WASTE GENERATION BY 80% IN 1995. PERFORM PIPELINE AND TANK CLEANING ACTIVITIES TO REMOVE RESIDUAL CONTAMINATES IN 1994.	INCREASE PIPELINE CLEANING ACTIVITY AND STORAGE TANK DECONTAMINATION TO REDUCE HAZARDOUS WASTE CONCENTRATION.	TRANSWESTERN PIPELINE-NEEDLES STATION	200490	1
HW - PETROLEUM STORAGE TANK RESIDUAL	REDUCE HAZARDOUS WASTE GENERATION BY 80% IN 1995. PERFORM PIPELINE AND TANK CLEANING ACTIVITIES TO REMOVE RESIDUAL CONTAMINATES IN 1994.	INCREASE PIPELINE CLEANING ACTIVITY AND STORAGE TANK DECONTAMINATION TO REDUCE HAZARDOUS WASTE CONCENTRATION.	TRANSWESTERN PIPELINE-NEEDLES STATION	200490	2
HW	(GOAL 1, PROCESS AREA 4) RECLAIM SCRAP ALUMINUM CANISTERS AND REDUCE WEIGHT OF D003 WASTE STREAM BY 50%.	SEGREGATE EMPTY CANS FROM TRASH AND RECLASSIFY AS SCRAP METAL FOR RECLAMATION.	TRW VEHICLE SAFETY SYSTEMS,MESA I	200395	15
HW - SODIUM AZIDE/ SCRAP GENERANTS	REUSE OR RECYCLE 90% OF TOTAL QUANTITY OF SCRAP/WASTE SODIUM AZIDE AND WASTE GAS GENERANTS (THIS GOAL MOVED FROM TRW - MESA I to TRW - MESA II). THIS GOAL IS INCORPERATED INTO GOAL #2 AT THIS FACILITY.	REGRANULATE AND REINTRODUCE SCRAP PRESSED GENERANT DISK TO PRESSING OPERATION; USE AZIDE RECOVERY UNIT TO EXTRACT SODIUM AZIDE FROM SCRAP GENERANT TO PURIFY IT BY RECRYSTALIZATION.	TRW VEHICLE SAFETY SYSTEMS,MESA II	200369	6
HW (OIL)	REDUCE POTENTIAL FOR USED OIL SPILLS BY REPLACING 55-GALLON DRUMS AT BLDG 2060 (PETROLEUM LAB) WITH DOUBLE WALLED ABOVE GROUND STORAGE TANK. (1) IDENTIFY FUNDING SOURCE FOR PROJECT. (2) DESIGN SPECIFICATIONS FOR TANK AND CONTAINMENT. (3) CONSTRUCT CONTAINMENT AND PLACE PREFABRICATED TANK.	REPLACEMENT OF EXISTING 55-GALLON USED OIL DRUMS WILL REDUCE THE POTENTIAL FOR SPILL OF USED OIL TO OCCUR.	U.S. ARMY - YUMA PROVING GROUND	200406	10
HW - FUEL CONTAMINATED SOIL	REDUCE FUEL SPILLS ON FACILITY GROUNDS.	PERFORM MANAGEMENT REVIEW OF ALL SPILLS AND IDENTIFY CAUSE AND POTENTIAL REMEDIAL ACTIONS.	U.S. MARINE CORPS - YUMA AIR STATION	200407	10
HW	REDUCE THE AMOUNT OF HAZARDOUS WASTES USED.	FULLY OPERATIONAL HAZARDOUS MATERIAL REUSE / RECYCLE CENTER ON-SITE TO SHARE CHEMICALS AND REDUCE WASTE.	U.S. ARMY - FORT HUACHUCA	200404	3
HW - MERCURY	REDUCE ENERGY CONSUMPTION IN FLUORESCENT LIGHTING ACROSS FACILITY.	APPLY FOR FUNDS TO CONDUCT AN ENERGY/ LIGHTING AUDIT AND REPLACE THE LIGHTING SYSTEMS WITH LOW-MERCURY NON-HAZARDOUS BULBS.	U.S. MARINE CORPS - YUMA AIR STATION	200407	9
HW - SOLVENTS	REDUCE SOLVENT REPACK - HOSE FLUSH WASTES BY 7% PER YEAR	REVISE PROCEDURES FOR USE OF NITROGEN TO FLUSH HOSES, (ACETONE, ETHYLENE GLYCOL, GLYCOL ETHERS, METHANOL, PCE, TCE, MEK, METHYLENE CHLORIDE, TOLUENE, XYLENE, TCA) WRITTEN OPERATING PROCEDURES FOR RINSING AND REPACKAGING.	UNIVAR USA, INC.	200426	7
HW - SOLVENTS	MAINTAIN SOLVENT REPACK - FILTERS AND ABSORBENT WASTES TO BELOW 3500 LBS PER YEAR	DEVELOP WRITTEN OPERATING PROCEDURES.	UNIVAR USA, INC.	200426	8
HW (OIL)	REDUCE HAZARDOUS WASTE GENERATION BY 60%	INSTALL AN OIL MASTER 10 GPM OIL/WATER SEPARATOR	WORLD COLOR INC.	200450	1
HW - H20/ELECTROPLA WASTE	REDUCE RAINWATER MIXED WITH ELECTROPLATING WASTE.	INSTALL WASTEWATER TREATMENT PLANT TO TREAT AND RECYCLE RAINWATER THAT FALLS ON THE HAZARDOUS WASTE MANAGEMENT UNIT.	WORLD RESOURCES COMPANY	200440	13
HW - TYVEK PACKAGES	REDUCE TYVEK PACKAGE WASTE	SEND TYVEK PACKAGES TO DUPONT TO BE RECYCLED	WORLD RESOURCES COMPANY	200440	14

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
HYDRAULIC FLUID MIXTURE	CONTAMINATED SOIL-EQUIPMENT MAINTENANCE: REDUCE THE NUMBER OF SPILLS WHEN PERFORMING MAINTENANCE ACTIVITIES ON EQUIPMENT BY 35%. REFER TO GOAL 9 FOR MEASUREMENT.	(1) FOR HYDRAULIC AND LUBE HOSE OIL SPILLS & LEAKS FROM HAUL TRUCKS AND OTHER SUPPORT EQUIPMENT, REPLACE ALL HYDRAULIC HOSES AT ENGINE REPLACEMENTS & ROUTINE HOSE INSPECTIONS DURING ALL PREVENTATIVE MAINTENANCE SCHEDULES; (2) FOR COOLANT SPILLS AND LEAKS FROM HAUL TRUCKS AND SUPPORT EQUIPMENT, REPLACE ALL COLLANT HOSES AT ENGINE REPLACEMENTS AND ROUTINE HOSE INSPECTION DURING ALLL PREVENTATIVE MAINTENANCE SCHEDULES; (3) FOR FUEL SPILLS & LEAKS FROM HAUL TRUCKS & SUPPORT EQUIPMENT, EDUCATE ALL EMPLOYEES ON PROPER PROCEDURERS FOR CHANGING FUEL FILTERS IN THE FIELD AND ROUTINE FUEL HOSE AND TANK INSPECTION DURING ALL PREVENTATIVE MAINTENANCE SCHEDULES.	PHELPS DODGE MINING, MORENCI BRANCH	200281	10
HYDRAULIC FLUID MIXTURE	REDUCE THE WASTE STREAM OF SPENT SOLVENTS FROM HYDRAULIC AND FUEL PATH TESTING.	SOLVENT DISTILLATION UNITS DID NOT MEET EXPECTATIONS; REPLACED FREON WITH A PETROLEUM LIQUID TO ALLOW FOR RECYCLING OF PD680 TYPE II AND HYDRAULIC MIXTURE.	U.S. MARINE CORPS - YUMA AIR STATION	200407	1
HYDROCARBONS	REDUCE FUEL CONSUMPTION AND HYDROCARBON EMISSIONS FROM EMPLOYEE COMMUTES.	PROVIDE FREE DAILY BUS TRANSPORTATION.	EVERGREEN AIR CENTER. INC	200138	7
HYDROCARBONS	REDUCE EMISSIONS FROM FUEL EMITTED DURING AIRPLANE REFUELINGS	INVESTIGATE THE FEASIBILITY OF INSTALLING A VAPOR RECOVERY SYSTEM AND SELECTION OF A SYSTEM.	EVERGREEN AIR CENTER. INC	200138	9
HYDROCARBONS	WASTE STREAM #7: REDUCE POLLUTANT EMISSIONS FROM SMALL 2 CYCLE ENGINES IN OUTDOOR PRODUCT MANUFACTURING AND MEET 1994 EPA AIR POLLUTION REGULATIONS	DEVELOP A NEW 4 CYCLE EN-GINE FOR OUR PRODUCT LINE TO MEET CALIFORNIA EMISSION LEVELS FOR 1995 AND REDUCE AIR EMISSIONS BY 40%-50% OF ENGINE EXHAUST GASES	RYOBI OUTDOOR PRODUCTS, INC.	200483	2
HYDROCARBONS	PREVENT RAIN WATER FROM ENTERING THE WASTE WATER CONTAINMENT TANK IN THE LOAD RACK AREA.	CONSTRUCT EXTENSION OF LOAD RACK CANOPY TO COMPLETELY COVER THE LOAD RACK CONTAINMENT AREA.	SHELL OIL PRODUCTS - TUCSON SALES TERMINAL	200381	1
HYDROCARBONS	PREVENT RAINWATER FROM ENTERING WASTE WATER CONTAINMENT TANK IN THE RETURN-TO-STOCK AND PUMP PAD AREAS.	CONSTRUCT CANOPIES OVER THESE AREAS TO DIVERT RAINWATER.	SHELL OIL PRODUCTS - PHOENIX SALES TERMINAL	200380	1
HYDROCARBONS	PREVENT RAIN WATER FROM ENTERING THE WASTE WATER CONTAINMENT TANK IN THE RETURN-TO-STOCK AREA.	CONSTRUCT CANOPIES OVER THE AREA TO PREVENT RAIN WATER CONTAMINATION.	SHELL OIL PRODUCTS - TUCSON SALES TERMINAL	200381	3
HYDROCARBONS	REDUCE THE WASTE WATER GENERATED FROM WASHING DOWN THE FACILITY.	MODIFY FACILITY HOUSEKEEPING MAINTENACE PROCEDURES; WASH DOWN ON AN AS NEEDED BASIS ONLY.	SHELL OIL PRODUCTS - TUCSON SALES TERMINAL	200381	5
HYDROCHLORIC ACID	ELIMINATE THE USE OF HYDROCHLORIC ACID AND "DASCO" FOR GALVANIZED STEEL TUBE.	RESEARCH A SUBSTUTUTE PIPE CLEANING COMPOUND THAT IS NON TOXIC.	ALLIED TUBE AND CONDUIT	200032	21
HYDROCHLORIC ACID	ELIMINATE THE NICKEL CHLORIDE BATH ON THE STEEL PLATING LINE.	REPLACE WITH NON-HEAVY METAL BASED PROPRIETARY SOLUTION.	AZ PLATING & ANODIZING CO	200062	6
HYDROCHLORIC ACID	FURTHER REDUCE STACK EMISSIONS TO THE ATMOSPHERE FROM THE SCRUBBER/ BAGHOUSE CONTROL SYSTEM	TEST REDUCTION OPPORTUNITIES DURING ANNUAL STACK TESTING PROCEDURE	BFI MEDICAL WASTE OF ARIZONA	200517	2
HYDROCHLORIC ACID	REDUCE THE AMOUNT OF HCL CURRENTLY DISPOSED OF TO INCREASE EFFICIENCY OF HCL.	SELL RECOVERED HCL TO DISTRIBUTORS.	BOC GASES	200020	1
HYDROCHLORIC ACID	REDUCE/ELIMINATE HYDROCHLORIC ACID & SODIUM HYDROXIDE STORED & USED TO FLUSH EQUIP. THAT MADE HIGH PURITY WATER.	REDUCE SPILLS/SAFETY HAZ. BY REMOVING 3600 GAL ACID & 2500 GAL HYDROXIDE STORAGE TANKS NO LONGER NEEDED IN WATER MAKING PROCESS.	BULL (HONEYWELL) INFO SYSTEMS INC.	200076	1
HYDROCHLORIC ACID	REDUCE FUMES FROM HYDROCHLORIC ACID	ADD A VAPOR BARRIER	COLUMBUS CHEMICAL INDUSTRIES (formerly CHEMIX)	200594	6
HYDROCHLORIC ACID	8.2.1 #1: REDUCE AMOUNT OF CUPRIC CHLORIDE WASTE SHIPPED OFFSITE RESULTING FROM SELECTIVELY ETCHING COPPER FROM CIRCUIT BOARDS ** GOAL DROPPED 6/95 IN FAVOR OF GOAL #2**	RECOVER COPPER BY TREATMENT OF THE SPENT ETCHENT WITH THE CU-CLEAN PROCESS FROM (TNT TECHNOLOGIES) PRODUCING A CU OXIDE SLUDGE ** GOAL DROPPED IN FAVOR OF GOAL #2 **	CONTINENTIAL CIRCUITS	200105	1
HYDROCHLORIC ACID	8.2.1 #2: REDUCE CUPRIC CHLORIDE ETCHANT SHIPPED OFFSITE AS A HAZARDOUS WASTE (SELL AS FEEDSTOCK FOR COPPER CHEMICALS)	SELL CUPRIC CHLORIDE ETCHANT TO A CHEMICAL COMPANY AS A FOR CONVERSION OF THE ETCHANT TO COPPER CHEMICALS. THIS USAGE WILL DECLASSIFY THE WASTE AS A HAZARDOUS WASTE	CONTINENTIAL CIRCUITS	200105	2
HYDROCHLORIC ACID	REDUCE COTTON LINT LOSS/ DUST CREATION IN TRANSFER OF LINT TO TRUCKS.	EQUIPMENT MODIFICATION	DELTA & PINE LAND CO	200119	1
HYDROCHLORIC ACID	REDUCE HCL LOSES DURING PLANT SHUTDOWN.	INCREASE TRAINING ON HCL SHUTDOWN PROCEDURES.	DELTA & PINE LAND CO	200119	2
HYDROCHLORIC ACID	EVALUATE COTTON SEED SCHEDULING FOR DELINTING TO PROCESS DRYER SEED.	PRIORITIZE CARRYOVER SEED.	DELTA & PINE LAND CO	200119	3
HYDROCHLORIC ACID	TRAIN OPERATORS ON PROPERLY SEALING THE COTTON DELINTER TO PREVENT HCL LOSES.	OPERATOR TRAINING	DELTA & PINE LAND CO	200119	4

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
HYDROCHLORIC ACID	ELIMINATE THE TIN/LEAD 10% FLUOBORIC ACID DIP, AND HYDROCHLORIC ACID USED IN THE SOLDER PLATE PROCESS	ELIMINATE SOLDER PLATE PROCESS AND SEND ANY SOLDER REQUEST TO AN OUTSIDE SOURCE; PROVIDE A GOLD PLATED CIRCUIT BOARD.	EVERETT CHARLES TECHNOLOGIES STG	200131	1
HYDROCHLORIC ACID	REDUCE THE USE OF HYDROCHLORIC ACID.	USE ALTERNATIVE MATERIALS AND ALSO NON HAP MATERIALS TO DETERMINE IF THEY ARE EFFECTIVE IN RECOVERING PRECIOUS METALS.	GANNON & SCOTT PHOENIX, INC.	200168	8
HYDROCHLORIC ACID	REDUCE THE AMOUNT OF HYDROCHLORIC ACID WASTE GENERATED FROM METAL ACTIVATOR SOLUTIONS	REUSE HYDROCHLORIC ACID SOLUTIONS TO ADJUST THE PH OF OTHER SOLUTIONS DURING WASTE TREATMENT OPERATIONS.	GOLD TECH INDUSTRIES	200607	2
HYDROCHLORIC ACID	ACTION PLAN 1: INCREASE EMPLOYEE TRAINING TO REDUCE THE AMOUNT OF HYDROCHLORIC ACID WASTE GENERATED FROM METAL ACTIVATOR SOLUTIONS. SEE GOAL 2 FOR REDUCTION MEASUREMENT.	INSTRUCT EMPLOYEES TO USE CONTAMINATED (USED) HYDROCHLORIC ACID SOLUTIONS INSTEAD OF USING FRESH HYDROCHLORIC ACID WHEN MAKING NEW CHROME STRIP SOLUTIONS.	GOLD TECH INDUSTRIES	200607	3
HYDROCHLORIC ACID	ACTION PLAN 1: INCREASE EMPLOYEE TRAINING TO REDUCE THE AMOUNT OF HYDROCHLORIC ACID WASTE GENERATED FROM METAL ACTIVATOR SOLUTIONS. SEE GOAL 2 FOR REDUCTION MEASUREMENT.	TRAIN EMPLOYEES TO FILTER CONTAMINATED HYDROCHLORIC ACID SOLUTIONS TO EXTEND SOLUTION LIFE.	GOLD TECH INDUSTRIES	200607	4
HYDROCHLORIC ACID	FURTHER REDUCE ACID VAPOR EMISSIONS FROM THE ACID STORAGE AREA	INCREASE DRAFTING OF ACID STORAGE TANKS TO SCRUBBER. COVER LIQUID SURFACE WITH PLASTIC BALLS.	HILL BROTHERS CHEMICAL CO.-PHX.	200176	4
HYDROCHLORIC ACID	REDUCE HYDROCHLORIC ACID AIR EMISSIONS IN THE WATER RECYCLING AND WASTE WATER TREATMENT OPERATIONS.	REPLACE 31% AQUEOUS SOLUTION OF HYDROCHLORIC ACID WITH SULFURIC ACID WHERE FEASIBLE IN WASTE TREATMENT OPERATIONS.	INNOVEX SOUTHWEST, INC.	200511	9
HYDROCHLORIC ACID	ELIMINATE THE HCL WASTE STREAM GENERATED FROM A WATER RINSE BATH.	USE SPENT HCL TO ADJUST PH IN AN AKALINE CLEANING PROCESS BATH.	JOHNS MANVILLE INTERNATIONAL INC.	200227	7
HYDROCHLORIC ACID	REDUCE ZINC METAL, HYDROCHLORIC ACID (ACID PICKLE) MAKE-UP AND MAINTENANCE ON THE ZINC COATING LINE	REDUCE DISCARDING THE SATURATED ACID PICKLE FROM THE ZINC ON PLATING RACKS OR SPLINES	METCO METAL FINISHING - PHOENIX	200451	5
HYDROCHLORIC ACID	REDUCE THE QUANTITY OF HYDROCHLORIC ACID USED FOR REGENERATION OF RESIN	REPLACE CURRENT RO MEMBRANE WITH NEW MEMBRANE IN ORDER TO IMPROVE THE QUALITY OF THE FEEDWATER TO THE MIXED BED RESINS	MICROSEMI CORP.	200246	7
HYDROCHLORIC ACID	8.0.14 REDUCTION CONCENTRATION OF HYDROCHLORIC ACID AT THE DI PLANT: REDUCE THE CHEMICAL HAZARD OF THE ACID	INVESTIGATE FEASIBILITY TO LOWER THE CONCENTRATION OF HCL AT THE DI PLANT FROM 33% TO 25% CONCENTRATION	MOTOROLA - CHANDLER	200254	14
HYDROCHLORIC ACID	REDUCE USE OF SULFURIC ACID, HYDROCHLORIC ACID AND SODIUM HYDROXIDE	REDUCE USE OF GROUNDWATER THROUGHOUT THE PLANT WHICH REQUIRES GREATER FREQUENCY IN REGENERATING RESINS FOR DE-IONIZED WATER	MOTOROLA SCG	200253	21
HYDROCHLORIC ACID	(MEMS1 PROJ# M1) REDUCE USAGE OF HYDROCHLORIC ACID IN WAFER CLEANING BY CONSOLIDATING CLEANING STEPS. NOTE: THE PRODUCTION GROUP (PREVIOUSLY CALLED MEMS1, NOW MOS5 WEST) IS MOVING TO ANOTHER MOTOROLA FACILITY. STAFF PLAN TO RESUME WORK ON THIS PROJECT AFTER THE MOVE IS COMPLETE.	USING TEST WAFERS, TEST VARIOUS CONSOLIDATED CLEANING PROCESSES: ATTEMPT TO USE THE SAME CLEANNG METHOD FOR BOTH PRODUCTS. DESIGN AND INSTALL ANY EQUIPMENT MODIFICATIONS NEEDED. CONDUCT EXPERIMENTS ON PRODUCT. QUALIFY PRODUCT FOR CUSTOMERS. CONVERT TO NEW CLEANING PROCESS.	MOTOROLA SCG	200253	32
HYDROCHLORIC ACID	(MEMS1 PROJ# M2) REDUCE USAGE OF HYDROCHLORIC ACID IN ETCHING PROCESS BY MINIMIZING THE CHEMICAL FLOW RATE AND/OR FLOW TIME. NOTE: THE PRODUCTION GROUP (PREVIOUSLY CALLED MEMS1, NOW CALLED MOS5 WEST) IS MOVING TO ANOTHER MOTOROLA FACILITY. STAFF PLAN TO RESUME WORK ON THIS PROJECT AFTER THE MOVE IS COMPLETE.	USING TEST WAFERS, TEST VARIOUS CHEMICAL FLOW RATES AND/OR FLOW TIMES TO DETERMINE THE MINIMUM RATES AND TIMES THAT PRODUCE THE DESIRED LEVEL OF QUALITY. DESIGN AND INSTALL ANY EQUIPMENT MODIFICATIONS NEEDED. CONDUCT EXPERIMENTS ON PRODUCT. QUALIFY PRODUCT FOR CUSTOMERS. BEGIN USING THE OPTIMAL FLOW RATE AND FLOW TIME	MOTOROLA SCG	200253	34
HYDROCHLORIC ACID	(MEMS1 PROJ# M3) REDUCE USAGE OF HYDROCHLORIC ACID IN ETCHING PROCESSES BY CONSOLIDATING AND ELIMINATING ETCH STEPS. NOTE: THE PRODUCTION GROUP (PREVIOUSLY CALLED MEMS1, NOW CALLED MOS5 WEST) IS MOVING TO ANOTHER MOTOROLA FACILITY. STAFF PLAN TO RESUME WORK ON THIS PROJECT AFTER THE MOVE IS COMPLETE.	TEST VARIOUS COMBINATIONS OF CONSOLIDATED ETCH STEPS USING TEST WAFERS(OPTIMIZE THE PROCESS AS A WHOLE). DESIGN AND INSTALL ANY EQUIPMENT MODIFICATIONS NEEDED. CONDUCT EXPERIMENTS ON PRODUCT. QUALIFY PRODUCT FOR CUSTOMERS. CONVERT TO NEW ETCHING PROCESS.	MOTOROLA SCG	200253	37
HYDROCHLORIC ACID	REDUCE QUANTITY OF HCL THAT REMAINS IN CYLINDERS AFTER CLEANING SUSCEPTORS AND SURFACES WITHIN EPI. ** DROPPED **	PIPE HCL DIRECTLY FROM VENDOR INSTEAD OF HAVING CYLINDERS DELIVERED.	MOTOROLA SCG	200253	9
HYDROCHLORIC ACID	REDUCE CHEMICAL USAGE BY 25% IN THE WTS INDUSTRIAL WASTE WATER TREATMENT PROCESS. WASTE WATER INCLUDES NAOH, H2SO4, FECL3 AND SLUDGE.	SEGREGATION OF WASTE WATER FLOWS; EVALUATE AND IMPLEMENT SUBSTITUTE CHEMICALS TO REDUCE USAGE AND INCREASE EFFLUENT QUALITY. RESULTS: IN 1995 WTS CHEMICAL USAGE WAS 67 POUNDS PER WAFER PROCESSED AND IN 2000 THE WTS CHEMICAL USAGE WAS 7.8 POUNDS PER WAFER PROCESSED. PRODUCTION INCREASED 700% YET THE CHEMICALS USED TO TREAT THE WASTE WATER EFFLUENT WERE REDUCED BY 10%.	MOTOROLA-TEMPE	200259	19
HYDROCHLORIC ACID	REDUCE VOLUME OF SPENT CUPRIC CHLORIDE ETCHANT (COPPER/ HYDROCHLORIC ACID SOLUTION)	PROPER TUNING OF ETCHANT REGENERATION SYSTEM WHICH INCREASED COPPER PER GAL.	NELCO TECHNOLOGY, INC.	200265	10

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
HYDROCHLORIC ACID	REDUCE OR ELIMINATE LEAKS IN THE WET PROCESS EQUIPMENT.	HIRE A PLASTIC REPAIR CONTRACTOR TO REBUILD AND RE-WELD THE PLASTIC SECTIONS OF THE WET PROCESS EQUIPMENT THAT ARE LEAKING.	NELCO TECHNOLOGY, INC.	200265	33
HYDROCHLORIC ACID	23RD AVENUE WASTE WATER TREATMENT PLANT: SUBSTITUTE HYDROCHLORIC ACID IN THE ODOR SCRUBBER PROCESS BY NOVEMBER 1996 FOR THE 30% ACID	BY REPLACING 30% HYDROCHLORIC ACID WITH CONCENTRATED HYDROCHLORIC ACID FROM HASA OF ARIZONA	PHOENIX, CITY OF-23RD AVENUE WASTE TREAT.	200292	1
HYDROCHLORIC ACID	REDUCE THE AMOUNT OF NEW HYRDOCHLORIC ACID USED IN THE ETCHER BY 10%		ROGERS CORP. ADV CIRCUIT MAT'LS DIV.	200556	11
HYDROCHLORIC ACID	DECREASE AMOUNT OF LEACH CHEMISTRY USED ON BLACK OXIDE LINES.	BY REUSING LEACH CHEMISTRY	SANMINA - SCI	200669	11
HYDROCHLORIC ACID	REDUCE REGENERATION CHEMISTRIES BY 70% IN WWTB.	BY INSTALLING A REVERSE OSMOSIS UNIT AND FEEDING HIGHER QUALITY WATER TO THE DEIONIZATION UNITS TO DECREASE THE NUMBER OF REGENERATIONS.	SANMINA - SCI	200669	38
HYDROCHLORIC ACID	REDUCE REGENERATION PH ADJUST CHEMISTRIES BY 60% IN WWTB.	BY REGENERATING THE ANION AND CATION COLUMNS SIMULTANEOUSLY.	SANMINA - SCI	200669	40
HYDROCHLORIC ACID	REDUCE HCL CONSUMPTION IN WEAK ACID FROM 10% TO 8%	MODIFY ACID RECOVERY SYSTEM OPERATING CONDITIONS BY INCREASING AMOUNT OF WEAK ACID SOLUTION DURING ABSORBTION OF HCL GAS/VAPORS	SASOL NORTH AMERICA, CERALOX DIVISION	200084	3
HYDROCHLORIC ACID	REDUCE VOLUME OF WEAK ACID REQUIRING NEUTRALIZATION	INCREASE AMOUNT OF WEAK ACID SOLUTION USED TO ABSORB HCL GAS/VAPORS - SUBSTITUTE WEAK ACID FOR DEIONIZED WATER	SASOL NORTH AMERICA, CERALOX DIVISION	200084	4
HYDROCHLORIC ACID	REDUCE THE VOLUME OF HCL UTILIZED	INCREASE THE ABSORPTION OF THE TAILS TOWER TO CAPTURE MORE HCL, INCREASED TOWER DIAMETER TO REDUCE GAS VELOCITY AND THEREBY INCREASE HCL ABSORPTION.	SASOL NORTH AMERICA, CERALOX DIVISION	200084	5
HYDROCHLORIC ACID	REDUCE THE USE OF HYDROCHLORIC AND SULFURIC ACIDS IN THE WATER TREATMENT PROCESS.	INSTALL NEW REVERSE OSMOSIS PROCESS. REGENERATION PROCESS REDUCED FROM 1 OR 2 DAYS TO 10 DAYS OR MORE (AN 80% REDUCTION)	SCHEIN PHARMACEUTICAL INC.	200360	2
HYDROCHLORIC ACID	REDUCE THE AMOUNT OF HYDROCHLORIC ACID USED IN THE RESIN REGENERATION PROCESS FOR DEIONIZED WATER PRODUCTION AREA BY INSTALLING A CHEMICAL FEED CONTROL SYSTEM (F-2000-1-HCL).	INSTALL A CHEMICAL FEED CONTROL SYSTEM 1) EVALUATE POSSIBLE DESIGN OPTIONS AND VENDORS 2) DESIGN CONTROL SYSTEM 3) INSTALL EQUIPMENT AND MODIFICATIONS NEEDED 4) BEGIN AUTOMATIC RESIN REGENERATION.	SCI,L.L.C (ON SEMICONDUCTOR)	200726	6
HYDROCHLORIC ACID	REDUCE ACID EFFLUENT CAUSED BY LEAKY VALVES.	DEVELOP A MAINTENANCE PROGRAM TO ENSURE THAT ALL FILLING VALVES, GASKETS, AND O RINGS ARE REPAIRED PRIOR TO FAILURE.	SIERRA INTERNATIONAL	200567	1
HYDROCHLORIC ACID	REDUCE THE RISK OF TANK FAILURE ON THE TANK PIPING SYSTEM.	IMPLEMENT A TANK/PIPE INSPECTION CHECKLIST TO VERIFY THE INTEGRETY OF THE SYSTEM.	SIERRA INTERNATIONAL	200567	2
HYDROCHLORIC ACID	REDUCE EFFLUENT GENERATION WHEN THE OVERFILL TANK OVERFLOWS.	INSTALL A LARGER RECYCLE PUMP; INSTALL A HAND VALVE THAT CAN BE USED TO RESTRICT THE FLOW FROM THE HEAD TANK TO THE FILLER; INCREASE LINE SPEED SO THAT OVERFLOW IS GREATLY REDUCED.	SIERRA INTERNATIONAL	200567	3
HYDROCHLORIC ACID	REDUCE THE POTENTIAL FOR AIR EMISSIONS.	INCREASE THE EFFECTIVENESS OF THE AIR SCRUBBER UNITS BY REPLACING CURRENTLY USED FLUID (WATER) WITH A BUFFERED SOLUTION AND ESTABLISH A WRITTEN PROCEDURE FOR FLUID MAINTENANCE.	SIERRA INTERNATIONAL	200567	4
HYDROCHLORIC ACID	REDUCE THE RISK OF DISPOSING ACID WHICH IS NOT FULLY NEUTRALIZED.	ESTABLISH WRITTERN PROCEDURE AND CHECK MEASURES FOR EFFLUENT NEUTRALIZATION; INVESTIGATE THE POSSIBILITY OF RECYCLING OR MARKETING THE ACID EFFLUENT.	SIERRA INTERNATIONAL	200567	5
HYDROCHLORIC ACID / NAOH	REDUCTION OF WASTE ACIDS AND BASES GENERATED FROM THE CHEMICAL MILLING AND BLUING AREAS	SPENT ACIDS (NITRIC AND HYDROCHLORIC) WERE TREATED BY ELEMENTARY NEUTRALIZATION USING SPENT NAOH FROM OTHER MANUFACTURING OPERATIONS IN AN ON-SITE SYSTEM	STURM RUGER AND COMPANY, INC.	200362	3
HYDROCHLORIC ACID	REDUCE HAZARDOUS WASTE BY SEPARATING THE CONCENTRATE FROM THE RINSATE AFTER THE PROCESS IS COMPLETE		THE BOEING COMPANY	200238	32
HYDROCHLORIC ACID	MAINTAIN CORROSIVE REPACK - MISC. WASTES BELOW 1000 LBS	DEVELOP WRITTEN OPERATING PROCEDURES, CREATE RECIPE SHEETS FOR CURRENT BLENDS.	UNIVAR USA, INC.	200426	11
HYDROFLUORIC ACID	ACID SCRUBBER: IMPROVE ACID SCRUBBER EFFICIENCY FOR HYDROFLUORIC ACID TO 99.5%. 1) RESEARCH ALTERNATIVES AND DESIGNS, 2) IMPLEMENT BEST DESIGN OR ALTERNATIVE.	REVIEW CURRENT SCRUBBER DESIGN AND EVALUATE ENGINEERING DESIGN CHANGES TO REDUCE AIR EMISSIONS. INCREASE THE PREVENTATIVE MAINTENANCE PROGRAM ON THE SCRUBBER AND TRACK THE PERFORMANCE TO RECORD THE EFFICIENCY IMPROVEMENT.	ARCH CHEMICALS, INC.	200608	5
HYDROFLUORIC ACID	REDUCE HYDROFLUORIC ACID WASTE BY 10% AT PHOENIX, AZ AND AUSTIN, TX FACILITIES.	REDUCE BATH CHANGE FREQUENCY BY ADDITION OF PEROXIDE OR FLUORIDE IONS.	BOC EDWARDS KACHINA	200724	3
HYDROFLUORIC ACID	EVALUATE THE FEASIBILITY OF REDUCING THE AMOUNT OF HYDROFLUORIC ACID USED IN THE SPECIAL PROCESS DEPT.	REDUCE THE STRENGTH OF ACID PURCHASED, FROM 70% HF TO 49% HF AND USE A FLUORIDE SALT ADDITIVE TO MAINTAIN EXISTING PERFORMANCE.	CHEM RESEARCH CO	200085	11

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
HYDROFLUORIC ACID	REDUCE THE AMOUNT OF HYDROFLUORIC ACID USED IN THE ALUMINUM PRE-PLATE PROCESS LINES (PER TRI FORM R USAGE AMOUNT).	BY EXTENDING THE LIFE OF THE NITRIC/HYDROFLUORIC TANKS BY ADDING POTASSIUM FLUORIDE AT THE MIDPOINT OF THE BATH LIFE, THEREBY REDUCING THE NUMBER OF BATH CHANGES. 7/1/2002: IT WAS FOUND THAT BY EXTENDING THE LIFE OF THE PROCESS TANKS, IT BECAME NECESSARY TO ADD MORE HF TO MAINTAIN PART QUALITY. THEREFORE USAGE OF THIS PRODUCT ACTUALLY INCREASED. ALSO, THE CHANGE FROM 70% TO 49% HF THE PRIOR YEAR NECESSITATED USAGE OF MORE HF FOR TANK MAKE-UPS.	CHEM RESEARCH CO	200085	19
HYDROFLUORIC ACID	EXTEND THE LIFE OF NITRIC & HYDROFLUORIC ACID USED IN THE SPECIAL PROCESS BY ADDING POTASSIUM FLUORIDE SALTS	AFTER PROCESSING 3,600ft2 OF ALUMINUM THRU THE NITRIC & HYDROFLUORIC ACID SOLUTION, ADD 5 LBS OF POTASSIUM FLUORIDE SALTS.	CHEM RESEARCH CO	200085	2
HYDROFLUORIC ACID	EVALUATE BATH DUMP FREQUENCIES FOR HYDROFLUORIC ACID USED FOR ETCHING CIRCUITS INTO SEMICONDUCTOR WAFERS ** GOAL DROPPED **	IDENTIFY DIFFERENT TYPES OF HF WITH MORE STABLE ETCH RATES.	INTEL CORP.- CHANDLER CAMPUS	200191	10
HYDROFLUORIC ACID	REDUCE HYDROFLUORIC ACID BATH WASTE BY 10% ACROSS ALL FACILITIES.	REDUCE BATH CHANGE FREQUENCY BY ADDITION OF PEROXIDE OR FLUORIDE IONS.	KACHINA AEROSPACE & SEMICONDUCTOR	200203	26
HYDROFLUORIC ACID	REDUCE THE AMOUNT OF SPENT ACID GENERATED AT CHANDLER FAB 1. 1) BEGIN CONSTRUCTION 7/1/2000 AND COMPLETE BY 10/2000.	BUILD AND UTILIZE A FLUORIDE TREATMENT PLANT.	MICROCHIP TECHNOLOGY-CHANDLER	200247	24
HYDROFLUORIC ACID	REDUCE THE AMOUNT OF SPENT HYDROFLUORIC ACID GENERATED IN TEMPE FAB 2.	I INVESTIGATE THE FEASIBILITY OF BUILDING AND UTILIZING A FLUORIDE TREATMENT PLANT AT TEMPE FAB 2 TO REDUCE THE CONCENTRATION OF FLUORIDE ION IN WASTEWATER GENERATED. FAB2.	MICROCHIP TECHNOLOGY-CHANDLER	200247	25
HYDROFLUORIC ACID	REDUCE BATH CHANGE OUTS BASED UPON QUANTITY OF PRODUCT PROCESSED INSTEAD OF A TIMED BASIS. **DROPPED **	DESIGN SCREENING TEST; DETERMINE OPTIMUM CHANGE-OUT.	MOTOROLA SCG	200253	1
HYDROFLUORIC ACID	REDUCE THE AMOUNT OF ACID BATH USED TO CLEAN THE SILICON INGOTS.	USE ANOTHER CLEANING BATH WITHIN THE PLANT THAT IS UNDERUTILIZED	MOTOROLA SCG	200253	24
HYDROFLUORIC ACID	RF-2000-3-REDUCE NITRIC ACID USE IN THE RF1 PROCESS WHICH USES HEATED NITRIC ACID IN A OPEN 5 GALLON TANK FOR ETCHING UP TO 24 WAFERS AT A TIME.	REDUCE THE FREQUENCY OF NITRIC ACID BATH CHANGES. ACTION PLAN: (1) EXTEND BATH CHANGE FREQUENCY, (2) CONDUCT EXPERIMENTS ON TEST WAFERS AND PRODUCT, (3) QUALIFY PRODUCT FOR CUSTOMERS, (4) CONVERT TO NEW BATH CHANGE FREQUENCY.	MOTOROLA SCG (RFI OPERATION)	200727	3
HYDROFLUORIC ACID	(MEMS1 PROJ# M2) REDUCE USAGE OF HYDROFLUORIC ACID IN ETCHING PROCESS BY MINIMIZING THE CHEMICAL FLOW RATE AND/OR FLOW TIME. NOTE: THE PRODUCTION GROUP (PREVIOUSLY CALLED MEMS1, NOW CALLED MOS5 WEST) IS MOVING TO ANOTHER MOTOROLA FACILITY. STAFF PLAN TO RESUME WORK ON THIS PROJECT AFTER THE MOVE IS COMPLETE.	USING TEST WAFERS, TEST VARIOUS CHEMICAL FLOW RATES AND/OR FLOW TIMES TO DETERMINE THE MINIMUM RATES AND TIMES THAT PRODUCE THE DESIRED LEVEL OF QUALITY. DESIGN AND INSTALL ANY EQUIPMENT MODIFICATIONS NEEDED. CONDUCT EXPERIMENTS ON PRODUCT. QUALIFY PRODUCT FOR CUSTOMERS. bEGIN USING THE OPTIMAL FLOW RATE AND FLOW TIME	MOTOROLA SCG	200253	35
HYDROFLUORIC ACID	(MEMS1 PROJ# M3) REDUCE USAGE OF HYDROFLUORIC ACID IN ETCHING PROCESSES BY CONSOLIDATING AND ELIMINATING ETCH STEPS. NOTE: THE PRODUCTION GROUP (PREVIOUSLY CALLED MEMS1, NOW CALLED MOS5 WEST) IS MOVING TO ANOTHER MOTOROLA FACILITY. STAFF PLAN TO RESUME WORK ON THIS PROJECT AFTER THE MOVE IS COMPLETE.	TEST VARIOUS COMBINATIONS OF CONSOLIDATED ETCH STEPS USING TEST WAFERS(OPTIMIZE THE PROCESS AS A WHOLE). DESIGN AND INSTALL ANY EQUIPMENT MODIFICATIONS NEEDED. CONDUCT EXPERIMENTS ON PRODUCT. QUALIFY PRODUCT FOR CUSTOMERS. CONVERT TO NEW ETCHING PROCESS.	MOTOROLA SCG	200253	38
HYDROFLUORIC ACID	WAFER CLEANING: REDUCE CONSUMPTION OF HYDROFLUORIC ACID AND PHOSPHORIC ACID BY 10% PER WAFER.	REWRITE CLEANING RECIPES SO THAT CONCENTRATED ACIDS ARE DILUTED WITH MORE DEIONIZED WATER.	STMICROELECTRONICS, INC.	200585	18
HYDROFLUORIC ACID	WAFER CLEANING: DETERMINE FEASIBILITY OF RECYCLING ANOTHER OF THE SITE'S MOST USED CHEMICAL.	REMOVAL OF ACID WASTE FROM WASTEWATER RESULTING IN A DECREASED NEED FOR CAUSTIC TO NEUTRALIZE.	STMICROELECTRONICS, INC.	200585	5
HYDROGEN PEROXIDE	ELIMINATE THE EXCESS EMISSIONS ASSOCIATED WITH START-UPS BY UTILIZING HYDROGEN PEROXIDE.	INCREASE EFFICIENCY IN THE ABSORPTION SYSTEM DURING START-UP USING HYDROGEN PEROXIDE, WHICH WILL LEAD TO DECREASED NOX EMISSIONS.	APACHE NITROGEN PRODUCTS, INC.	200038	17
HYDROGEN CHLORIDE	REDUCE HYDROGEN CHLORIDE WASTE STREAM BY 30%.	BY INVESTIGATING POSSIBLE PRODUCT RECOVERY ALTERNATIVES AND IMPLEMENTING THE OPTION WHICH MAXIMIZES EFFICIENCY AND MINIMIZES PRODUCT WASTE. (RECOVER PRODUCT FROM RESIDUAL CYLINDERS RETURNED FROM CUSTOMER SITES RATHER THAN SENDING IT TO THE MAIN SCRUBBER.)	BOC GASES	200020	12
HYDROGEN PEROXIDE	REDUCE OFFSITE TREATMENT OF MICRO-ETCH WASTE	INSTALL A NEW MICRO-ETCH SYSTEM THAT REMOVES COPPER FROM THE BATH BY CRYSTALLIZATION	CIRCUIT EXPRESS, INC.	200097	1
HYDROGEN CHLORIDE	REDUCE HCL EMISSIONS FROM THE PHOSPHOR COATING PROCESS	UTILIZE THE CATENARY GRID SCRUBBER TO ACHIEVE 90% CONTROL EFFICIENCY	DUREL CORPORATION	200518	4
HYDROGEN FLUORIDE	REDUCE THE USE OF METHYLENE CHLORIDE IN THE PAINT STRIPPER.	UTILIZE LESS %CONCENTRATION OF METHYLENE CHLORIDE. REPLACE OLD 54% STRIPPER WITH NEW 50% METHYLENE CHLORIDE STRIPPER. EVALUATE ALTERNATIVE PAINT STRIPPERS.	EVERGREEN AIR CENTER. INC	200138	1

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
HYDROGEN FLUORIDE	RESEARCH AN ALTERNATIVE FOR CHEM COTE 3121 MIX IN ORDER TO REDUCE OR RECYCLE THE WASTE.	RESEARCH AN ALTERNATIVE TO CHEM COT 3121 MIX. LOOK TO MANUFACTURERS FOR A NON-HAZARDOUS CONSTITUENT. WILL CONTINUE TO WORK WITH VENDOR	GOETTL AIR CONDITIONING, INC.	200161	2
HYDROGEN PEROXIDE	REDUCE HYDROGEN PEROXIDE USED IN AN OPEN BATH FOR A WAFER CLEANING STEP	INSTALL NEW PROCESS AND EQUIPMENT	INTEL CORP.- CHANDLER CAMPUS	200191	8
HYDROGEN PEROXIDE	ELIMINATE THE USE OF SODIUM HYDROXIDE TO RAISE THE pH TO 9 IN THE WASTE WATER TREATMENT PROCESS TO TREAT METALS FROM CIRCUIT BOARD MANUFACTURING	REPLACED SODIUM HYDROXIDE (WHICH WAS MANAGED AS A D002 HAZARDOUS WASTE) WITH MAGNESIUM HYDROXIDE WHICH IS LESS HAZARDOUS	MOSAIC PRINTED CIRCUITS, LLC. (QUALITY PRINTED CIRCUITS)	200513	2
HYDROGEN PEROXIDE	8.10 REUSE OF WASTE "PIRANHA" CHEMICALS (SULFURIC ACID & HYDROGEN PEROXIDE) (ABOUT 4300 GPW)	1) REUSE SULFURIC ACID AS pH CONTROL IN WASTEWATER TREATMENT PLANT (600 GPW), 2) ADD PLUMBING TO THE HVAC COOLING TOWERS (500 GPW), 3) ADD PLUMBING TO THE AMMONIA SCRUBBERS (2100 GPW), 4) SCOPE AND DESIGN TO THE DI PLANT FOR REUSE OF SULFURIC ACID (ABOUT 1100 GPW)	MOTOROLA - CHANDLER	200254	10
HYDROGEN FLUORIDE	REDUCE THE ACIDS USED IN THE WET ACID ETCH PROCESS	REPLACE EXISTING WET ACID ETCH PROCESS WITH A DRY ETCH PROCESS	MOTOROLA SCG	200253	22
HYDROGEN PEROXIDE	REDUCE ACIDS USED IN WAFER CLEANING PROCESS	EXPERIMENT CONSOLIDATION AND ELIMINATION OF CLEANS ON TEST WAFERS, QUALIFY NEW PROCESS AND IMPLEMENT PROCESS CHANGES	MOTOROLA SCG	200253	26
HYDROGEN PEROXIDE	REDUCE THE GENERATION OF SPENT TIN STRIPPER BY 1. MEASURING CURRENT DEPOSIT THICKNESS. 2. ETCH EVALUATION ON REDUCED THICKNESS. 3. PILOT PRODUCTION RUN. 4. IMPLEMENT PROCESS CHANGE	EVALUATE EFFECTIVENESS OF REDUCED THICKNESS OF ETCH IN PILOT PRODUCTION RUN.	QUICK TURN CIRCUITS, INC.	200596	4
HYDROGEN PEROXIDE	ELIMINATE HYDROGEN PEROXIDE USE IN THE LARGE CHEMICALLY TREATED WATER WASHER.	REPLACE HYDROGEN PEROXIDE WITH CHLORINE TABLETS.	REXAM BEVERAGE CAN COMPANY-PHX AZ FACILITY	200031	14
HYDROGEN FLUORIDE	(8B) PREVENT SPILLS AND LEAKS FROM STORAGE TANKS FROM CONTAMINATING SURROUNDING AREAS.	IMPLEMENT SECONDARY CONTAINMENT.	TESSENDERLO KERLEY, INC. (PHX)	200210	2
HYDROGEN CHLORINE	DEGASSING OPERATION: REDUCE BY 20% THE AMOUNT OF CHLORINE USED IN 622 DEGASSING OPERATION.	TEST DIFFERENT DEGASSING AGENTS TO ELIMINATE CHLORINE USAGE & CONDUCT RESEARCH ON USAGE FACTORS. TREAT THE CHLORINE EMISSIONS TO CREATE A LESS TOXIC BY-PRODUCT.	V.A.W. OF AMERICA, INC.	200478	3
HYDROQUINONE	REDUCE QUANTITY OF WASTE STREAM #10, LIQUID PHOTO CHEMICALS BY 50%.	REVIEW TYPES OF WASTE IN STREAM #10. SEGREGATE D001 FROM NON-HAZARDOUS WASTE AT THE SOURCE. ON-SITE NEUTRALIZATION OF NON-HAZARDOUS, AQUEOUS, HIGH pH, WASTE IN WASTE WATER TREATMENT PLANT.	IBM CORPORATION	200194	9
HYDROQUINONE	ELIMINATE HAZARDOUS WASTE DISPOSAL OF CARBON FILTERS FROM THE NDI TREATMENT PROCESS.	REACTIVATE CARBON TREATMENT UNITS. INVESTIGATE RECYCLING CARBON. ONGOING REVIEW OF HOUSEKEEPING PROCEDURES.	U.S. MARINE CORPS - YUMA AIR STATION	200407	8
HYDROXIDE SLUDGE	REDUCE THE MOISTURE CONTENT OF THE COPPER HYDROXIDE SLUDGE **DROPPED**	INVESTIGATE USE OF A HIGH EFFICIENCY FILTER PRESS - DROPPED (CHANGED TO ION EXCHANGE SYSTEM)	NELCO TECHNOLOGY, INC.	200265	15
IGNITABLE WASTE	REDUCE VOCs EMMITTED FROM WASTE AEROSOL CANS.	PURCHASE NEW CAN CRUSHER WITH VOC CAPTURE CAPABILITIES; CONSIDER ADD'L CAN CRUSHERS TO SEGREGATE WASTE STREAMS.	U.S.A.F. - LUKE	200409	16
IGNITABLE LIQUIDS	REDUCE FLAMMABLE ORGANIC SOLVENT WASTES	IMPLEMENT EQUIPMENT FOR PAINT THINNER. EVALUATE LABORATORY PROCESSES GENERATING WASTE	UNIVERSITY OF ARIZONA	200424	1
IGNITABLE SOLVENT	REDUCE SOLVENT BASED SCINTILLATION COCKTAIL WASTES BY 20%	EVALUATE LABORATORY PROCESSES; SEGREGATE NON-RCRA AQUEOUS SCINTILLATION WASTES **DROPPED**	UNIVERSITY OF ARIZONA	200424	4
IGNITIBLE WASTE	PILOT PLANT 6B: REDUCE LOT SIZES ON R&D RUNS	ACTIONS 1-5: EVALUATE EQUIP -MENT CAPABILITIES AND ALTERNATIVES; DEVELOP PROCEDURES; IMPLEMENT/TRAIN	CYTECFIBERITE	200185	26
INCINERATOR BOTTOM ASH	REDUCE THE AMOUNT OF MEDICAL WASTE BY MINIMIZING INITIAL VOLUME OF WASTE COLLECTED FROM THE CUSTOMER THUS MINIMIZING THE AMOUNT OF INCINERATOR BOTTOM ASH	EDUCATE CUSTOMERS ON VOLUME REDUCTION, WASTE PACKAGING AND WASTE ACCEPTANCE PROTOCOLS	BFI MEDICAL WASTE OF ARIZONA	200517	1
INK	REDUCE THE AMOUNT OF HAZARDOUS WASTE INK SHIPPED OFF-SITE FOR DISPOSAL.	COLLECT AND SEGREGATE HAZARDOUS WASTE INKS BY PART NUMBER TO KEEP THEM SEPARATE FROM NON-HAZARDOUS WASTE INKS. TRAIN PERSONNEL TO UTILIZE NEW MANAGEMENT PRACTICES.	DUREL CORPORATION	200518	13
INK	REDUCE WASTE INK SHIPMENTS TO 4,000 LBS AND RECYCLE AS MUCH INK AS POSSIBLE	SEPARATE WASTE INK FROM SECONDARY INK FOR RECYCLING; REUSE INK FROM FOUNTAINS ON PRESS	GREAT WESTERN PUBLISHING	200165	1
INK SCRAP	REDUCE THE AMOUNT OF SCRAP INK GENERATED PER OUTPUT.	DEVELOP PREDICTIVE MILLING BEAD CHANGE PROCEDURE THROUGH TESTING, INSTALL BINDER/SLURRY RETURN; TRAIN OPERATORS, IMPROVE MIXROOM PROCEDURES.	IMATION CORPORATION	200001	2

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
INK	REDUCE THE AMOUNT OF SCRAP INK GENERATED PER OUTPUT.	INSTALLED INLINE INK ACTIVATION & INK COMPATIBLE MILL SEALS; WORKED WITH PIGMENT MANUFACTURER ON PIGMENT CONSISTENCY.	IMATION CORPORATION	200001	3
INK CONTAMINATED FILTERS	REDUCE THE NUMBER OF INK CONTAMINATED FILTERS.	REDUCE THE NUMBER OF FILTER COAT STATIONS IN THE MIXROOM; FEASIBILITY RUNS; QUALIFICATION RUNS AND; INSTALLATION.	IMATION CORPORATION	200001	7
INK	REDUCE INK USAGE WHICH CONTAINS METHYL CELLOSOLVE AND ETHYL ALCOHOL.	CHANGE SPECIFICATIONS ON PRINTING REQUIREMENTS. PRINT ON EVERY OTHER SHEET IN THE PACK INSTEAD OF ALL OF THEM. THIS CHANGE WILL REQUIRE THE LOGO PRINTING UNIT TO RUN ON HALF OF THE MACHINE.	MUNTERS CORPORATION	200261	6
INK	REDUCE VOLUME OF INK AND ADHESIVE WASTE GENERATED DURING PRINTING PROCESS	TEMPERATURE CONTROL OF ADHESIVES TO IMPROVE PERFORMANCE AND REDUCE SCRAP; BETTER INVENTORY CONTROL; MODIFIY PUMPING SYSTEM TO USE SMALLER PAIL TO REDUCE WASTE PER RUN	NORTHROP-GRUMMAN	200174	4
INK WASTE	REDUCE VOC EMISSIONS IN THE LEGEND AREA.	BY INVESTIGATING LOW OR NO VOC ALTERNATIVE CHEMISTRY.	SANMINA - SCI	200669	34
INVENTORY TRACKING	SITE WIDE 1A: DEVELOP AN ACCURATE CHEMICAL INVENTORY PROGRAM	ACTIONS 1-3: EVALUATE EXIST -ING INVENTORY SYSTEMS; IDENTIFY USER REQUIREMENTS; DEVELOP IMPLEMENTATION STRATEGY	CYTECFIBERITE	200185	1
INVENTORY TRACKING	DEVELOP AN ACCURATE CHEMICAL INVENTORY PROGRAM	ACTION 4: PERFORM PHYSICAL INVENTORY- REDUCE POTENTIAL FOR OUT OF SHELF LIFE INVENTORY AND DUPLICATE ORDERS	CYTECFIBERITE	200185	2
INVENTORY TRACKING	DEVELOP AN ACCURATE CHEMICAL INVENTORY PROGRAM	ACTION 5: IMPLEMENTATION OF ANNUAL INVENTORY PROGRAM TO REDUCE POTENTIAL FOR OUT OF SHELF LIFE INVENTORY	CYTECFIBERITE	200185	3
INVENTORY TRACKING	SITE WIDE 1B: UTILIZE CHEMICAL SCREENING MECHANISM	ACTION 1: EVALUATE EXISTING CHEMICAL PROFILE	CYTECFIBERITE	200185	4
INVENTORY TRACKING	UTILIZE CHEMICAL SCREENING	ACTION 2: MODIFY CHEMICAL PROFILE TO INTERFACE WITH COMPUTER BASED INVENTORY TRACKING SYSTEM	CYTECFIBERITE	200185	5
INVENTORY TRACKING	UTILIZE CHEMICAL SCREENING	ACTION 3: RE-PROFILE EXISTING CHEMICALS TO HELP IDENTIFY TOXICITY CONCERNS	CYTECFIBERITE	200185	6
INVENTORY TRACKING	UTILIZE CHEMICAL SCREENING	ACTION 4: IMPLEMENT NEW PROCEDURES TO MANAGE CHEMICAL SCREENING. TRAINING WILL INCREASE EMPLOYEE AWARENESS TO DECREASE/ MINIMIZE CHEMICALS USED	CYTECFIBERITE	200185	7
INVENTORY TRACKING	SITE WIDE 1C: IMPROVED PURCHASING PROCEDURES	ACTION 1: TRAIN/INFORM PURCHASING: TRAINING OF PURCHASING AGENTS IN LIFE CYCLE COSTS OF CHEMICALS, TOXICITY CONCERNS, DISPOSAL ISSUES	CYTECFIBERITE	200185	8
INVENTORY TRACKING	IMPROVE PURCHASING PROCEDURES	ACTION 2: TRAIN/INFORM REQUESTORS: TRAINING OF CHEMICALS USERS IN LIFE CYCLE COSTS OF THE CHEMICALS THEY PURCHASE AND USE	CYTECFIBERITE	200185	9
INVENTORY CONTROL	REDUCE CHEMICAL INVENTORY BY 50% FROM CURRENT LEVEL (1999) OF 1100 INDIVIDUAL CHEMICALS.	CONDUCT CHEMICAL INVENTORY, ESTABLISH INVENTORY CONTROL METHODS FOR NEW CHEMICALS, TRAIN EMPLOYEES, RESEARCH NEW CHEMICAL POSSIBILITIES	EVERGREEN AIR CENTER. INC	200138	13
INVENTORY TRACKING	BETTER CONTROL ON SHELF LIFE TO REDUCE WASTE GENERATED FROM OUT OF DATE SHELF LIFE MATERIALS	TRAIN EMPLOYEES, ESTABLISH A PROCEDURE, FIFO	HEXCEL CORPORATION	200464	1
INVENTORY TRACKING	REDUCE EXPIRED SHELF LIFE MATERIALS BY 20%.	RECERTIFICATION OF UNOPENED CONTAINERS; RETURN UNUSED CHEMICALS TO VENDOR; SHARE PURCHASING OF CHEMICALS	HONEYWELL ENGINES & SYSTEMS (TUCSON)	200025	6
INVENTORY CONTROL	REDUCE HAZWASTE CREATED BY SHELF LIFE BEING EXCEEDED.	ROTATE STOCK SO THAT EARLIEST SHELF EXPIRATION DATE IS ALWAYS USED FIRST.	MI HOME PRODUCTS INC.	200072	12
INVENTORY CONTROL	REDUCE HAZWASTE CREATED BY SHELF LIFE BEING EXCEEDED.	INCORPORATE TIGHTER CONTROLS ON PURCHASES OF ITEMS WITH A SHELF LIFE.	MI HOME PRODUCTS INC.	200072	13
INVENTORY TRACKING	ELIMINATE OFF-SPEC WASTE GENERATION FROM TEST PROCESS RUNS, PILOT RUNS, OR FAILED RUNS	BLEND INTO HIGH GRADE PRODUCTION RUNS RATHER THAN DISCARD. ISSUE POLICY STATEMENT ON OFF-SPEC PRODUCT	MINEREC MINING CHEMICALS	200471	11

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
INVENTORY TRACKING	INVENTORY ALL FACILITIES FOR ALL CHEMICALS IN STORAGE OR BEING USED.	OUTSIDE CONSULTANT COMMENCED IN 11/96 TO INVENTORY OF ALL CHEMICAL USAGE BOTH CURRENT AND IN STORAGE. THIS WILL AFFORD THE OPPORTUNITY TO ELIMINATE AND/ OR SUBSTITUTE FOR ANY UNDESIREABLE PRODUCTS.	PHELPS DODGE MIAMI INC.	200115	15
INVENTORY TRACKING	CHEMICAL INVENTORY MANAGEMENT: IMPLEMENT CHEMICAL INVENTORY CONTROL SYSTEM AND HAZ WASTE STREAM DATA TRACKING **DROPPED**	IMPLEMENT A CHEMICAL INVENTORY CONTROL SYSTEM (CASH): SYSTEM HAS THE ABILITY TO CROSS REFERENCE PRODUCTS WITH CHEMICALS DROPPED OR REPLACED	RAYTHEON COMPANY USAF PLANT 44	200184	21
INVENTORY TRACKING	ANALYSIS OF CHEMICAL TRACKING NEEDS: IMPLEMENT A COST EFFECTIVE WAY TO TRACK CHEMICAL USE. WHEN IMPLEMENTED THIS SYSTEM WILL ALLOW FOR THE IDENTIFICATION AND MONITORING OF CHEMICAL USE, REDUCTION OPPORTUNITIES AND WILL ASSIST IN REGULATORY REPORTING	SELECTED A "HAZARDOUS MATERIALS INFORMATION NETWORK (HAZMIN)" INSTEAD OF THE "CASH" SYSTEM (PILOT) AS THE CHEMICAL TRACKING SYSTEM. THIS SYSTEM ALLOWS FLEXIBLE MATERIALS TRACKING, AN MSDS DATABASE MGMT SYSTEM AND REGULATORY/ADVISORY LISTINGS WITH A COMPREHENSIVE PRODUCT REVIEW PROCESS; MAINTAINS SARA 312 & 313 REPORTING.	RAYTHEON COMPANY USAF PLANT 44	200184	44
INVENTORY TRACKING	REDUCE OFF SPECIFICATION WASTE STREAMS BY 90% BY 1999.	ESTABLISH A "CONSOLIDATED HAZARDOUS RESOURCE INVENTORY MANAGEMENT PROGRAM" (CRIMP) TO BETTER USE MATERIALS	U.S. MARINE CORPS - YUMA AIR STATION	200407	4
INVENTORY TRACKING	INCREASE ACCURACY OF TRACKING MATERIALS LEAVING THE SITE. ACTION PLAN: COMPLETE EMS REVIEW (7/99). ASSESS SOFTWARE (9/99). COMPLETE IMPLEMENTATION (6/2000)	EXPAND THE SYSTEM TO TRACK RECYCLED AND DISPOSED MATERIALS AS WELL AS HAZARDOUS WASTE.	UNITED MUSICAL INSTRUMENTS - NOGALES	200418	12
INVENTORY TRACKING	TRACK MATERIAL INVENTORY TO CONTROL PURCHASE, USE AND STORAGE.	USE A DATABASE SYSTEM TO TRACK MATERIAL INVENTORY.	UNITED MUSICAL INSTRUMENTS - NOGALES	200418	7
IRON	REDUCE WATER USAGE: REMOVE ALUMINUM AND IRON IONS FROM PLATING AND SURFACE FINISHING RINSE WATERS, FOLLOWED BY WATER PURIFICATION TO ALLOW FULL REUSE OF WATER IN PROCESS.	USE OF ION EXCHANGE AND/ OR REVERSE OSMOSIS TECHNOLOGIES.	RAYTHEON COMPANY USAF PLANT 44	200184	46
ISO 14001 CERTIFICATION	OBTAIN ISO 14001 CERTIFICATION FACILITY WIDE.	THIS WILL BE MEASURED BY RECEIVING "PASS" ON EHS ISO 14001 MANAGEMENT SYSTEM AUDIT.	BOC GASES	200020	17
ISO 9000 AND 14000	INCORPORATE POLLUTION PREVENTION GOALS AND PROCESSES INTO ISO 9002 AND 14000 SYSTEM.	MANAGEMENT OF THE POLLUTION PREVENTION PROGRAM AS DISCUSSED IN SECTION 8.	GOODRICH TURBOMACHINERY PRODUCTS	200434	15
ISO 14001 CERTIFICATION	OBTAIN ISO 14001 CERTIFICATION FOR MOTOROLA - BROADWAY FACILITY BY 12/31/2000.	THIS WILL BE MEASURED BY RECEIVING "PASS" ON THE CORPORATE EHS ISO 14001 MANAGEMENT SYSTEM AUDIT.	MOTOROLA - MESA	200255	20
ISO 14001 CERTIFICATION	OBTAIN ISO 14001 CERTIFICATION CORPORATE WIDE BY 12/31/2003.	THIS WILL BE MEASURED BY RECEIVING "PASS" CORPORATE WIDE ON ALL EHS ISO 14001 MANAGEMENT SYSTEM AUDITS.	MOTOROLA - MESA	200255	22
ISOPROPANOL	ELIMINATE SOLVENT BASED INK IN AT LEAST ONE APPLICATION PER YEAR	IDENTIFY AND TEST NON-SOLVENT BASED INK	DUREL CORPORATION	200518	3
ISOPROPANOL	REVISE BLOW OFF PROCEDURE TO CAPTURE VAPORS (RESIN ETHANOL, IPA AND ACETONE) FROM PURGING/CURING OPERATION	DETERMINE SAFETY PROCEDURE FOR OVER THE TANK BLOW OUT, INSTALL BLOW OUT BOOTH TO CAPTURE VAPORS	HEXCEL CORPORATION	200464	5
ISOPROPANOL	REDUCE THE USAGE OF FLUX BY 10% *DROPPED*	PURCHASE NITROGEN CONTROLLED REFLOW SOLDERING EQUIPMENT AND EXPLORE ITS POTENTIAL USE WITH LOW SOLIDS FLUX.	HONEYWELL - 19TH AVE PHOENIX	200181	16
ISOPROPANOL	ELIMINATE VOLATILE LOSSES FROM THE XANTHATE MIXERS (PRIMARLY CARBON DISULFIDE) TO REDUCE RISK OF FIRE & PERSONNEL SAFETY***INACTIVE***	COMPLETE MODIFICATIONS OF 3 XANTHATE MIXERS (LIDS, SHAFT SEAL, MISC. WELDING) TO PROVIDE 5 PSIG GAS TIGHT CAPABILITY	MINEREC MINING CHEMICALS	200471	1
ISOPROPANOL / ETHANOL	INVESTIGATE FEASIBILITYOF ONSITE SOLVENT RECYCLING OF WASTE RESIN/ SOLVENT MIXES FOR RECOVERING BTU CONTENT ONSITE.	RESEARCH METHODS TO USE EXISTING THERMAL OXIDIZER; RESEARCH REGULATORY ISSUES. **DROPPED**	NORTHROP-GRUMMAN	200174	3
ISOPROPANOL	REDUCE THE CONSUMPTION OF ISOPROPANOL IN THE TANKWASH FINAL SOAK PROCESS BY DEC. 2000 THROUGH THE USE OF A VAPOR PERMEATION SOLVENT DEHYDRATION APPARATUS.	INSTALLATION OF A VAPOR PERMEATION SOLVENT DEHYDRATION APPARATUS.	SCHEIN PHARMACEUTICAL INC.	200360	7
ISOPROPANOL	ELIMINATE THE USE OF ISOPROPANOL IN THE TANKWASH PRESOAK PROCESS BY DEC. 2000 THROUGH THE UTILIZATION OF AN ULTRASONIC CLEANING METHOD.	UTILIZING AN ULTRASONIC CLEANING PROCESS.	SCHEIN PHARMACEUTICAL INC.	200360	8
ISOPROPANOL	REDUCE VOC's FROM METHYL ALCOHOL AND ISOPROPANOL USED IN VELVALITE PRODUCT	USE NEW PRODUCT CALLED DUMEIHT WHICH IS WATER BASED NOT ALCOHOL BASED.	TUCSON FOUNDRY & MFG, INC	200397	10
ISOPROPYL ALCOHOL	REDUCE OR REPLACE THE USE OF ALCOHOL BASED MOLD WASH WHICH IS USED TO COAT SAND MOLD BEFORE METAL IS POURED INTO THEM AND THE ALCOHOL EVAPORATES AS THE WASH DRYS.	WE WILL TEST ALTERNATIVE MOLD WASHES FOR SUITABILITY IN OUR PLANT.	ARIZONA CASTINGS, INC.	200477	14
ISOPROPYL ALCOHOL	ELIMINATE THE USE OF WATER BASED/ IPA (ISOPROPYL ALCOHOL) BASED INKS AT PVC INSULATE.	A. DEVELOP 100% WATER BASED COLOR CODING INK FOR PVC INSULATE. B. TEST & PROVE VARIOUS COLORS. C. CONVERT COLOR CODER ROOM FOR WATER BASED INK USE. D. CONVERT ALL PVC INSULATE LINES TO WATER BASED INKS	BELDEN COMMUNICATIONS DIVISION	200052	4

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
ISOPROPYL ALCOHOL	REDUCE ISOPROPYL ALCOHOL USAGE IN CLEANING PARTS AND FOR CLEANING/ DRYING POWDER BOTTLES.	INSTALL A DRYING RACK AND FORCED AIR UNIT TO WASH AND DRY POWDER BOTTLES WITHOUT USE OF IPA.	BRUSH CERAMIC PRODUCTS	200075	2
ISOPROPYL ALCOHOL	REDUCE THE T-2 USAGE PER UNIT OF PRODUCT PRODUCED BY 20%. ACTION PLAN (1): CONTINUE TO WORK TOWARDS A CONSISTENT FORMULATION OF INPUT MATERIALS. ACTION PLAN (2): CONTINUE TOWARDS DEVELOPING CONSISTENT PROCESS & CONTROLS TO INCREASE EFFICIENCY & REDUCE T-2 SOLVENT USAGE.	CONTINUE TO MAKE INCREMENTAL REFINEMENTS OF PROCESS AND CONTROLS FOR INCREASE IN YIELDS.	BRUSH CERAMIC PRODUCTS	200075	4
ISOPROPYL ALCOHOL	8.2.12 #1: ELIMINATE ISOPROPYL ALCOHOL USE AND WASTE STREAM GENERATED FROM FINAL CLEANING OF CIRCUIT BOARDS PRIOR TO SHIPPING FROM FINAL CLEAN BUILDING. GOAL 1. - PROCESS SUBSTITUTION.	EVALUATE SUBSTUTUTION TO A NON-ORGANIC PRODUCT TO ELIMINATE NON-HAPS VOCs ** GOAL DROPPED **	CONTINENTIAL CIRCUITS	200105	15
ISOPROPYL ALCOHOL	8.2.12 # 2: REDUCE IPA USE FROM FINAL CLEAN BUILDING A. GOAL 2 - IMPROVED EMISSION CONTROL. DROPPED BECAUSE NO KNOWN VIABLE ALTERNATIVE.	PROCESS MODIFICATION: ADD VOC EMISSIONS CONTROLS FOR THE EXHAUST FROM THIS PROCESS WHICH MAY INCLUDE ACTIVATED CARBON OR AN OXIDIZER	CONTINENTIAL CIRCUITS	200105	16
ISOPROPYL ALCOHOL	ELIMINATE THE GENERATION OF WASTE ISOPROPANOL FROM THE PHOSPHOR POLYMER COATING OPERATION.	THE PRESENT PROCESS UTILIZES IPA AS A CARRIER AND RINSE IN A POLYMER COATING OPERATION. 1) INVESTIGATE OTHER MEANS OF COATING SUCH AS FLUIDIZED BED, VAPOR DEPOSITION, ETC. 2) DEVELOP AND OPTIMIZE A PILOT APPLICATION 3) EVALUATE RESULTS AND DETERMINE ECONOMICS 4) QUALIFY NEW PROCESSES WITH CUSTOMERS 5) IMPLEMENT PROCESS CHANGE FOR ALL QUALIFIED PRODUCT.	DUREL CORPORATION	200518	16
ISOPROPYL ALCOHOL	REDUCE THE USE OF ISOPROPYL ALCOHOL IN THE CLEANING AND DEGREASING PROCESS.	RESEARCH AND EVALUATE ALTERNATIVES; EVALUATE AND PURCHASE EQUIPMENT. TO REPLACE ISOPROPYL ALCOHOL/ TO WATER SOLUBLE FLUX	DYNACO ACQUISITION CORP.	200129	8
ISOPROPYL ALCOHOL	ELIMINATE THE USE OF SOLVENT BASED INK USED FOR PRINTING LOGOS ON VARIOUS BAGS TO REDUCE VOCs	SUBSTITUTE WITH WATER BASED INKS (0% VOC); INSTALL AN EVAPORATOR TO DISPOSE OF THE WATER WASTE	FORTUNE PLASTICS OF AZ, INC	200141	1
ISOPROPYL ALCOHOL	10% DECREASE IN IPA SOLVENT USE RESULTING IN REDUCTION OF ASSOCIATED AIR EMISSIONS	REPLACE IPA BASED FLUX WITH CITRIC ACID BASED FLUX, ACHIEVE CUSTOMER ACCEPTANCE OF ALTERNATIVE MATERIALS AND PROCESSES.	GENERAL DYNAMICS DECISION SYSTEMS	200257	5
ISOPROPYL ALCOHOL	REDUCTION IN AMOUNT OF F003 (SPENT NON-HALOGENATED SOLVENTS) WASTE GENERATED BY 10%; 85% BY 12/31/98. SAME AS GOAL #5 SINCE A LARGE PART OF THE F003 WASTE STREAM IS IPA.	SAME AS GOAL #5 SINCE A LARGE PART OF THE F003 WASTE STREAM IS IPA.	GENERAL DYNAMICS DECISION SYSTEMS	200257	6
ISOPROPYL ALCOHOL	REDUCE IPA USE BY 5% ANNUALLY IN GRANULATING	REPLACE IPA WITH WATER, WHENEVER CHEMISTRY ALLOWS. REPLACE USE OF IPA WITH DRY, CELLULOSE-BASED INGREDIENTS THAT CAN BIND DIETARY SUPPLEMENTS.	HEALTH FACTORS INTN'L (HFI) FORMERLY JMI	200633	1
ISOPROPYL ALCOHOL	REDUCE USE OF HAZARDOUS MATERIALS BY 25% BY DECEMBER 1999 THROUGH EVALAUTION AND INITIATION OF SOURCE REDUCTION PROGRAM. 7/2000: WE WERE BEEN ABLE TO ELIMINATE THE USE OF ACETONE WITHIN OUR FACILITY FOR PRODUCTION PURPOSES. CONSUMPTION NOW IS ONLY IN OUR ANALYTICAL AND MAINTENANCE FACILITIES WITH AN ESTIMATED USAGE OF 20 GALLONS PER YEAR. SEE GOAL 7 WHICH ADDRESS IPA IN 9/2000 AMENDMENT. ISOPROPYL ALCOHOL IS STILL BEING USED IN PRODUCTION AT 1550 POUNDS PER YEAR. A NEW METHOD OF CLEANING W/O USING ISOPROPYL ALCOHOL IS PLANNED FOR IMPLEMENTATION IN Q4.2000. TARGETED REDUCTIONS SHOULD BE VERIFIED BY JUNE 2001 (GOAL 7)	IMPLEMENT SOURCE REDUCTION PROGRAM	HERAEUS INC.--MATERIALS TECH. DIVISION	200171	4
ISOPROPYL ALCOHOL	REDUCE THE USE OF ISOPROPYL ALCOHOL WITHIN THE FACILITY.	INSTALL AQUEOUS CLEANING SYSTEM TO REPLACE HAND CLEANING USING ISOPROPYL ALCOHOL.	HERAEUS INC.--MATERIALS TECH. DIVISION	200171	8
ISOPROPYL ALCOHOL	REDUCE THE USE OF SOLVENTS - ISOPROPANOL AND TERPENE HYDROCARBONS USED IN PARTS CLEANING.	TRAIN EMPLOYEES IN CORRECT CLEANING METHODS; INVESTIGATION OF ON-SITE RECYCLING EQUIPMENT PROVED TO BE NOT FEASABLE; INVESTIGATE USE OF HIGHLY FLOURINATED SOLVENTS IN VAPOR DEGREASERS IS CONTINUING.	HONEYWELL - 19TH AVE PHOENIX	200181	20
ISOPROPYL ALCOHOL	REDUCE ISOPROPYL ALCOHOL USAGE ON-SITE BY 15%.	MANAGEMENT CONTROL: SOLVENT USE TRACKING, ACCURATE MEASUREMENT OF SOLVENT USED, IMPROVE HOUSEKEEPING. REUSE IPA IN PRECISION CLEANING FOR LESS CRITICAL CLEANING.	HONEYWELL ENGINES AND SYSTEMS	200149	23
ISOPROPYL ALCOHOL	REDUCE/ ELIMINATE OFF-SITE SHIPMENT OF ISOPROPYL ALCOHOL AND OXSOL 100 SOLVENTS TO IN-PROCESS RECYCLING.	PURCHASE RECYCLING STILL, DEVELOP PROCEDURES TO OPERATE & MANAGE THE STILL AND WASTE RECYCLED SOLVENTS.	HONEYWELL AEROSPACE SERVICES	200024	5
ISOPROPYL ALCOHOL	REDUCE THE VOLUME OF IPA CONTAMINATED RAGS AND VIDEOJET PRINTER INK CONTAMINATED CONTAINERS.	1. IDENTIFY OPPORTUNITIES TO REDUCE VOLUME OF RAGS AND CONTAINERS, 2. IMPLEMENT VOLUME REDUCTION METHODS, 3. TRAIN PERSONNEL.	IMATION CORPORATION	200001	11

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
ISOPROPYL ALCOHOL	OVERALL GOAL: REDUCE CHEMICAL USE PLANTWIDE 1990 - 1992 (35%) 1992 - 1997 (10%)	SEE THE FOLLOWING SPECIFIC GOALS	INTEL CORP.- CHANDLER CAMPUS	200191	1
ISOPROPYL ALCOHOL	REDUCE IPA USE IN VARIOUS EQUIPMENT/PARTS CLEANING OPERATIONS (AREA WIPE-DOWNS, WAFER BOXES, INTERNAL MACHINE PARTS)	REPLACE IPA WITH DEIONIZED WATER FOR CERTAIN CLEANING OPERATIONS (AREA WIPEDOWNS, WAFER BOXES, SOME EQUIPMENT PARTS)	INTEL CORP.- CHANDLER CAMPUS	200191	4
ISOPROPYL ALCOHOL	REDUCE VOC EMISSIONS OF HAZARDOUS RAW MATERIALS.	SUBSTITUTE VOC CONTAINING RAW MATERIALS WITH LESS HAZARDOUS CHEMICALS.	IVC INDUSTRIAL COATINGS	200751	1
ISOPROPYL ALCOHOL	REPLACE SOLVENTS WITH AQUEOUS CLEANER.	IMPLEMENT FEASIBLITY STUDIES FOR USING AQUEOUS CLEANERS AS CLEANING OPTIONS IN PROCESS AREAS #1 AND #2 BY 7/31/99, HAVING REQUESTED CAPITAL EXPENDITURES BY 7/31/98.	LITTON ELECTRO - OPTICAL SYSTEMS	200218	13
ISOPROPYL ALCOHOL	REDUCE USE OF ISOPROPYL ALCOHOL AND RESULTING VOC EMISSIONS.	REPLACED 100% ISOPROPYL ALCOHOL WITH A 70% ALCOHOL AND 30% WATER SOLUTION.	MAAX SPAS ARIZONA, INC.	200102	6
ISOPROPYL ALCOHOL	EVALUATE POTENTIAL FOR SENDING COATER CUPS AND PROCESS KITS FROM DRY ETCHERS TO AN EXTERNAL VENDOR FOR CLEANING - ACETONE/ISOPROPANOL USAGE REDUCTION.	OFF-SITE VENDOR CLEANING INITIATED 09/95	MICROCHIP TECHNOLOGY-CHANDLER	200247	16
ISOPROPYL ALCOHOL	REDUCE THE USE OF ISO-PROPYL ALCOHOL USED FOR CLEANING PROCESS EQUIP-MENT/WORK STATIONS, AND DRYING AFTER WATER RINSES	INSTALL A HOT AIR CENTRIFUGAL DRYER SYSTEM AND USE DEIONIZED WATER TO CLEAN EQUIPMENT AND WORK STATIONS	MICROSEMI CORP.	200246	6
ISOPROPYL ALCOHOL	REDUCE AMOUNT OF 100% ISOPROPYL ALCOHOL USED IN VAPOR DRYER	INSTALL A DRYER THAT DOES NOT HEAT ALCOHOL	MOTOROLA - MESA	200255	16
ISOPROPYL ALCOHOL	REDUCE ISOPROPANOL USAGE.	PRINT LOGO ON EVERY OTHER SHEET IN THE PACK INSTEAD OF ON ALL OF THEM. THIS CHANGE WILL REQUIRE THE LOGO PRINTING UNIT TO RUN ON HALF THE MACHINE.	MUNTERS CORPORATION	200261	7
ISOPROPYL ALCOHOL	SIGNIFICANTLY REDUCE OR ELIMINATE ISOPROPYL ALCOHOL USED FOR GRANULATION.	REFORMULATE PRODUCT TO ELIMINATE USE OF IPA; PHASE OUT PROCESS; NEW PROCESS WILL USE A NON-HAZARDOUS SUBSTANCE.	PROCTER & GAMBLE MFG	200302	1
ISOPROPYL ALCOHOL	ELIMINATE ISOPROPYL ALCOHOL AND 1,1,1 TRICHLOROETHANE IN TOOL CLEAN.	UTILIZE AQUEOUS CLEANERS IN VAPOR DEGREASER, MANUAL CLEANING AND TOOL CLEANING AREAS.	R.E. DARLING COMPANY, INC.	200306	1
ISOPROPYL ALCOHOL	REDUCE USAGE OF ISOPROPYL ALCOHOL FOR VAPOR DEGREASING PROCESS.	EVALUATE PERFORMANCE OF ALTERNATIVE CLEANING METHOD USING AQUEOUS TECHNOLOGY AND IF ACCEPTABLE THEN IMPLEMENT CLOSED LOOP CLEANING SYSTEM.	RAYTHEON COMPANY USAF PLANT 44	200184	56
ISOPROPYL ALCOHOL	REDUCE PURCHASE/USE/DISPOSAL AMOUNTS OF ISOPROPYL ALCOHOL.	PURCHASE A NEW LABELLING AND PACKAGING EQUIPMENT IMPROVED LABELS WHICH WILL REDUCE THE USE OF IPA FOR CLEANING. USE PRESSURE SENSITIVE LABELING MACHINE. AS OF 7/96 WE ARE RECYCLING USED IPA BACK TO VENDOR.	SCHEIN PHARMACEUTICAL INC.	200360	6
ISOPROPYL ALCOHOL	PHOTOLITHOGRAPHY: REDUCE VOC AIR EMISSIONS BY THE INSTALLATION OF VOC ABATEMENT SYSTEMS.	INSTALL AN ABATEMENT SYSTEM ON PHOTOLITHOGRAPHY EQUIPMENT TO REDUCE (VOC) AIR EMISSIONS. ACTION PLAN 1) PURCHASE ABATEMENT UNITS. 2) INSTALL UNITS & NATURAL GAS LINE AND EXHAUST SYSTEM. 3) TEST ABATEMENT SYSTEMS FOR EFFICIENCY.	STMICROELECTRONICS, INC.	200585	2
ISOPROPYL ALCOHOL	SOLVENT CONTAMINATED DEBRIS (2): ELIMINATE OR REDUCE USE OF HAZARDOUS SOLVENT	INVESTIGATE IF AN ALTERNATIVE NON-HAZARDOUS SOLVENT CAN REPLACE THE HAZARDOUS SOLVENTS.	TALLEY DEFENSE SYSTEMS - PLT 4	200370	21
ISOPROPYL ALCOHOL	(#TD4)-REDUCE THE USE OF IPA (A FLAMMABLE SUBSTANCE) IN THE IPA CLEANING AREA.	IDENTIFY NON-VOC, NON-TOXIC, COST EFFECTIVE SUBSTITUTES: ACTION A: IDENTIFY PARTS WHICH CANNOT BE CLEANED WITH ACETONE DUE TO DEGRADATION ISSUES BY 6/2001; ACTION B: IDENTIFY NON-VOC, NON-TOXIC SUBSTITUTES BY 6/2002; PURCHASE AND TEST POSSIBLE SUBSTITUTIONS BY 6/2004; IMPLEMENT WIDE SPREAD USE OF SUBSTITUTE (WHERE POSSIBLE) BY 7/2005.	TALLEY DEFENSE SYSTEMS - PLT 4	200370	39
ISOPROPYL ALCOHOL	REDUCE BY 50% THE AMOUNT OF PAINT THINNER USED FOR PAINT LINE FLUSHING THROUGH SOURCE REDUCTION/ RECYCLING.	SUBSTITUTE OR SUPPLEMENT THE THINNER WITH THE SOLVENTS DECANTED FROM EMPTY DRUMS. IF THIS OPTION IS NOT FEASIBLE, INSTALL A SOLVENT RECYCLING UNIT.	TED LEVINE DRUM CO	200376	10
ISOPROPYL ALCOHOL	ELIMINATE DRIPS, SPILLS AND RELATED FUGITIVE EVAPORATION IN THE CHEMICAL STORAGE AREAS BY 15% PER YEAR IN CHEMICAL STORAGE.	IMPLEMENT SPILL, DRIP, AND FUGITIVE EVAPORATION REDUCTION TRAINING THROUGH P2 TRAINING AND ENFORCEMENT.	THE LARSON COMPANY	200215	18
JET-A-FUEL	REDUCE THE WASTE JET-A-FUEL DISPOSED OF AS A HAZARDOUS WASTE BY 80%	USE SURPLUS JET-A-FUEL IN DIESEL POWERED EQUIPMENT ONSITE; INSTALL SPECIAL FILTER TO ALLOW THE USE OF THE FUEL.	THE BOEING COMPANY	200238	15
JP-8 JET FUEL	ELIMINATE THE POTENTIAL FOR LEAKS OR SPILLS FROM REGULATED UNDERGROUND STORAGE TANKS (24,600 GALLONS CAPACITY).	REGULATE TWO UNDERGROUND STORAGE TANKS USED TO STORE JP-8 JET FUEL AND REPLACE THESE TANKS WITH APPROVED DOUBLE WALLED ABOVE GROUND STORAGE TANKS.	THE BOEING COMPANY	200238	42
JP-8 JET FUEL	REDUCE THE QUANTITY OF USED JET FUEL (JP-8) DISPOSED OF AS A HAZARDOUS WASTE.	INCREASE OUR FUELS RECYCLING PROGRAM BY RECYCLING USED JP-8 (JET FUEL) IN A FUEL BLENDING PROGRAM.	THE BOEING COMPANY	200238	47

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
JP-8 JET FUEL	ELIMINATE POTENTIAL SOIL CONTAMINATION FROM DOT HAZARDOUS CLASSIFICATION TEST MISSION. (1) RESEARCH SUITABLE LOCATIONS. (2) IDENTIFY FUNDING SOURCE. (3) COMPLETE APPROPRIATE ENVIRONMENTAL DOCUMENTATION. (4) DESIGN "FAST COOK-OFF" TO MEET TEST SPECIFICATIONS. (5) CONSTRUCT NEW PAD.	ESTABLISH PERMANENT "FAST COOK-OFF" TEST SITE TO CONDUCT DEPARTMENT OF TRANSPORTATION " HAZARDOUS CLASSIFICATION ANALYSIS".	U.S. ARMY - YUMA PROVING GROUND	200406	8
KEROSENE	REDUCE OIL DISPOSED AS HAZARDOUS WASTE.	INSTALL FILTER PRESS TO REMOVE OIL IN SPENT FILTER CARTRIDGES; EVALUATE REUSABLE FILTER CARTRIDGES.	CHROMIZING ARIZONA	200095	3
KEROSENE	REDUCE FLUORESCENT PENETRANT OIL & EMULSIFIER **GOAL DROPPED**	INSTALL AN ELECTROSTATIC SPRAY SYSTEM	CHROMIZING ARIZONA	200095	4
KEROSENE	PLANT OPERATIONS: RECOVER KEROSENE THAT EXITS THE SOLVENT EXTRACTION AREA THROUGH RAFFINATE STREAM	INSTALLED AN OIL SKIMMER ON THE RAFFINATE POND. RECOVERY SYSTEM INSTALLED	PHELPS DODGE BAGDAD, INC.	200114	14
KETONE (10-30%)	ELIMINATE VINYL WASH 184 USED TO CLEAN SILK SCREENS	REPLACED VINYL WASH WITH A NON-HAZARDOUS SUBSTITUTE	PING, INC	200208	7
LAB PACKS	REDUCE EXPIRED MATERIAL GENERATION FROM THE MANUFACTURING AREA BY 5% BEFORE 1/1/1999 THROUGH EMPLOYEE AWARENESS AND TRAINING TO AVOID MULTIPLE OPEN CONTAINERS AND PROCUREMENT OF MINIMUM BUYS.	EMPLOYEE AWARENESS AND TRAINING TO AVOID MULTIPLE OPEN CONTAINERS AND PROCUREMENT OF MINIMUM BUYS.	HONEYWELL ENGINES & SYSTEMS (TUCSON)	200025	11
LAB PACKS	REDUCE EXPIRED MATERIAL GENERATION FROM THE MANUFACTURING AREA BY 2% BEFORE 7/2/1999 BY USING EXPIRED PRODUCTION MATERIAL FOR PLANT MAINTENANCE WHEN IT CAN NO LONGER BE USED FOR PRODUCTION.	BY USING EXPIRED PRODUCTION MATERIAL FOR PLANT MAINTENANCE WHEN IT CAN NO LONGER BE USED FOR PRODUCTION.	HONEYWELL ENGINES & SYSTEMS (TUCSON)	200025	12
LAB PACKS	REDUCE EXPIRED MATERIAL GENERATION FROM THE MANUFACTURING AREA BY 5% BEFORE 7/1/1999 THROUGH SHARED PURCHASING WITH SISTER COMPANIES IN ORDER TO COMPLETELY USE MINIMUM BUYS.	THROUGH SHARED PURCHASING WITH SISTER COMPANIES IN ORDER TO COMPLETELY USE MINIMUM BUYS.	HONEYWELL ENGINES & SYSTEMS (TUCSON)	200025	13
LAB PACKS	REDUCE GENERATION OF EXPIRED MATERIAL FROM THE SUB-ASSEMBLY MANUFACTURING AREA BY 10% BEFORE 7/1/1998 THROUGH OUTSOURCING ACTIVITIES TO HAVE SUB-ASSEMBLY MANUFACTURING PERFORMED BY ANOTHER COMPANY THAT IS BETTER SUITED FOR THE PROCESS.	THROUGH OUTSOURCING ACTIVITIES TO HAVE SUB-ASSEMBLY MANUFACTURING PERFORMED BY ANOTHER COMPANY THAT IS BETTER SUITED FOR THE PROCESS.	HONEYWELL ENGINES & SYSTEMS (TUCSON)	200025	14
LAB PACKS	REDUCE LAB PACK WASTES GENERATED ON-SITE BY 10%.	MANAGEMENT CONTROL: ONLY PURCHASE WHAT IS NEEDED. MAINTAIN A MINIMUM INVENTORY. NEGOTIATE WITH THE SUPPLIERS TO LOWER THE MINIMUM ORDER TO MEET THE CUSTOMER'S DEMANDS. WORK WITH CUSTOMERS AND SUPPLIERS TO EXTEND THE EXPIRATION DATES OF SOME OF THE POTENTIAL LAB PACK MATERIAL.	HONEYWELL ENGINES AND SYSTEMS	200149	24
LAB PACKS	REDUCE EXPIRED MATERIAL GENERATION BY 10%.	SHARE SUPPLIER ENFORCED MINIMUM BUYS BETWEEN BOTH TUCSON SITES.	HONEYWELL ENGINES & SYSTEMS (TUCSON)	200025	25
LAB PACKS	REDUCE EXPIRED MATERIAL GENERATION BY 10%.	CREATE A CHEMICAL EXCHANGE BETWEEN HONEYWELL LOCATIONS TO ALLOW EXPIRED AND NEARLY EXPIRED CHEMICALS TO BE MADE AVAILABLE TO OTHER FACILITIES FOR NON-PRODUCTION PURPOSES.	HONEYWELL ENGINES & SYSTEMS (TUCSON)	200025	26
LAB PACKS	REDUCE EXPIRED MATERIAL GENERATION BY 15%.	IMPROVE CHEMICAL MANAGEMENT PRACTICES TO MINIMIZE PROCUREMENT OF LARGE QUANTITIES OF TIME SENSITIVE MATERIALS AND INSTITUTE TOTAL CHEMICAL TRACKING FROM PURCHASE TO DISPOSAL.	HONEYWELL ENGINES & SYSTEMS (TUCSON)	200025	27
LAB PACKS	REDUCE EXPIRED MATERIAL GENERATION BY 10%.	SHARE SUPPLIER ENFORCED MINIMUM BUYS BETWEEN BOTH TUCSON SITES.	HONEYWELL ENGINES & SYSTEMS (TUCSON)	200025	30
LAB PACKS	REDUCE EXPIRED MATERIAL GENERATION BY 10%.	CREATE A CHEMICAL EXCHANGE BETWEEN HONEYWELL LOCATIONS TO ALLOW EXPIRED AND NEARLY EXPIRED CHEMICALS TO BE MADE AVAILABLE TO OTHER FACILITIES FOR NON-PRODUCTION PURPOSES.	HONEYWELL ENGINES & SYSTEMS (TUCSON)	200025	31
LABORATORY CHEMICALS	(J) REUSE LABORATORY SAMPLES WHENEVER FEASIBLE.	RESEARCH ALTERNATIVES; COLLECT AND RECYCLE CHEMICAL SAMPLES.	ALKEMIN, S. DE R.L. DE C.V.	200211	10
LABORATORY CHEMICALS	REDUCE THE QUANTITY OF CHEMICALS IN THE LAB; DETERMINE WAY TO DISPOSE OF UNNEEDED CHEMICALS.	ANALYZE UNUSED CHEMICALS; RESEARCH WAYS TO REMOVE CHEMICALS FROM THE LAB; LAB PACK UNNEEDED CHEMICALS FOR DISPOSAL.	ALKEMIN, S. DE R.L. DE C.V.	200211	11
LABORATORY CHEMICALS	REDUCE LABORATORY PRODUCTION OF WASTE CHEMICALS	UTILIZE BOTH CHEMICAL SUBSTITUTION AND CHEMICAL RECOVERY SYSTEMS TO CAPTURE AND REUSE SOME REAGENTS.	ALKEMIN, S. DE R.L. DE C.V.	200211	15
LABORATORY CHEMICALS	REDUCE GENERATION OF LABORATORY CHEMICALS AS HAZARDOUS WASTE	INVESTIGATE THE POSSIBILITY OF DONATING OR SELLING UNUSED CHEMICALS TO LOCAL SCHOOLS OR OTHER END USERS	BHP COPPER, SAN MANUEL SMELTING AND REFINING	200226	25
LABORATORY CHEMICALS	(8J) REUSE LABORATORY SAMPLES WHENEVER FEASIBLE.	IMPLEMENTED USE OF DRUM CONTAINERS IN LAB TO COLLECT UNUSED SAMPLES. WHEN DRUMS ARE FULL, PRODUCT IS RETURNED TO APPROPRIATE STORAGE TANK.	TESSENDERLO KERLEY, INC. (PHX)	200210	10

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
LABORATORY CHEMICALS	(8K) REDUCE THE QUANITITY OF CHEMICALS IN THE LAB.	ANALYZE UNUSED CHEMCIALS; RESEARCH WAYS TO REMOVE CHEMICALS FROM THE LAB.	TESSENDERLO KERLEY, INC. (PHX)	200210	11
LACQUER THINNER	REDUCE THE USE OF LACQUER THINNER BY 20%.	REPLACE WITH WATER BASED OR CITRUS BASED PRODUCTS	MARLAM INDUSTRIES, INC.	200532	3
LACQUER THINNER	REDUCE PAINT SOLVENT USED TO FLUSH CABINET PAINT STAIN LINES BETWEEN COLOR CHANGES.	INSTALL NEW PAINT PUMPS SO THAT EACH TYPE OF STAIN WILL HAVE ITS OWN DEDICATED LINE. IN THE PAST MASTERCRAFT HAS SHARED ITS LINES WITH TWO DIFFERENT STAINS. THIS CAUSED THE NEED FOR FLUSHING OR CLEANING WITH LACQUER THINNER SOLVENT BETWEEN COLOR CHANGES. WITH THE DEDICATED LINES WE NO LONGER NEED TO DO THE FLUSHING.	MASTERCRAFT CABINETS, INC.	200229	10
LACQUER THINNER	PAINT AND LAQUER APPLICATION:	FIND ALTERNATIVES TO SOLVENT BASED CLEANING PRODUCTS AND PAINTS.	THE LARSON COMPANY	200215	25
LACQUER THINNER	REDUCE THE QUANTITY OF HAZARDOUS WASTE SOLVENT GENERATED IN A PAINT GUN CLEANING OPERATION	SOLVENT REUSE THROUGH PERSONNEL TRAINING IN SPRAY GUN CLEANING PROCESS. COLLECT THE WASTE PAINT/ SOLVENT FROM THE FIRST AND SECOND STAGE CLEANING TANKS AND PUT IT IN A DRUM. WHEN DRUM IS FULL, FILTER AND PLACE IN A NEW DRUM. RETURN THIS RECOVERED SOLVENT BACK TO THE PAINT GUN CLEANING OPERATIONS FOR USE IN THE FIRST CLEANING TANK.	THE BOEING COMPANY	200238	48
LACQUER REDUCER	REUSE THE LACQUER REDUCER IN THE LACQUER SPRAYING SYSTEM.	EVALUATE A PILOT TEST TO EXAMINE FEASIBLITY OF REUSING LACQUER.	UNITED MUSICAL INSTRUMENTS - NOGALES	200418	5
LATEX	REDUCE POTENTIAL FOR LEAKS AND SPILLS	INSTALL SECONDARY CONTAINMENT SYSTEM FOR LATEX AND ETHYLENE GLYCOL TO ELIMINATE POTENTIAL GROUNDWATER CONTAMINATION	MURCO WALL PRODUCTS, INC	200262	5
LATEX PAINT	REDUCE THE QUANTITY OF WASTE LATEX BASED PAINT.	IMPLEMENT AN ON-BASE REUTILIZATION PROGRAM FOR PAINTS AT HMMC FOR NON-CRITICAL APPLICATIONS.	U.S.A.F. - LUKE	200409	18
LEACH	REDUCE LEACH CHEMISTRY USAGE ON ELECTROLESS COPPER LINE.	BY DETERMINING ALTERNATE TREATMENT METHODS.	SANMINA - SCI	200669	15
LEACH	REDUCE LEACH CHEMISTRY USAGE ON PAL LINES.	BY REUSING LEACH AND/OR DETERMINING ALTERNATE TREATMENT METHODS.	SANMINA - SCI	200669	19
LEACH	REDUCE LEACH CHEMISTRY USAGE ON SOLDERMASK LINE.	BY REUSE OR ALTERNATIVE TREATMENT OF LEACH CHEMISTRIES.	SANMINA - SCI	200669	27
LEACH	DETERMINE THE FEASIBILITY OF REUSE OF LEACH CHEMISTRY ON SURFACE PREP LINES.	BY REUSING LEACH CHEMISTRY.	SANMINA - SCI	200669	3
LEACH	REDUCE LEACH CHEMICAL USAGE ON DEVELOPER LINE.	BY REDUCING LEACH CHEMISTRY OR DETERMINING ALTERNATE METHOD OF TREATMENT OF LEACH CHEMISTRY.	SANMINA - SCI	200669	31
LEACH	REDUCE LEACH CHEMISTRY USAGE ON PAL 1 PLATING LINE.	BY DETERMINING THE FEASIBILITY OF REUSING LEACH CHEMISTRIES.	SANMINA - SCI	200669	43
LEACH	REDUCE LEACH CHEMISTRY USAGE ON PAL 2 AND 3 PLATING LINES.	BY DETERMINING THE FEASIBILITY OF REUSING LEACH CHEMISTRIES.	SANMINA - SCI	200669	46
LEACH	DETERMINE THE FEASIBILITY OF REUSE OF LEACH CHEMISTRY ON THE ALKALINE ETCHER.	BY REUSING LEACH CHEMISTRY.	SANMINA - SCI	200669	49
LEACH	DETERMINE THE FEASIBILITY OF REUSE OF LEACH CHEMISTRY ON THE IMMERSION GOLD LINE.	BY REUSING LEACH CHEMISTRY.	SANMINA - SCI	200669	53
LEACH	DETERMINE THE FEASIBILITY OF REUSING LEACH CHEMISTRY ON THE DEEP GOLD LINE.	REUSE THE LEACHING CHEMISTRY A STATED NUMBER OF TIMES BEFORE DISPOSING.	SANMINA - SCI	200669	58
LEACH	DETERMINE THE FEASIBILITY OF REUSING LEACH CHEMISTRY ON THE MP-80 LINE.	REUSE THE LEACHING CHEMISTRY A STATED NUMBER OF TIMES BEFORE DISPOSING.	SANMINA - SCI	200669	62
LEACH	DECREASE USAGE OF LEACH CHEMISTRY ON DES LINES	REUSE CHEMISTRY	SANMINA - SCI	200669	7
LEAD	REDUCE OR ELIMINATE THE USE OF LEAD IN BRASS ALLOYS	REPLACE LEADED BRASS ALLOYS WITH LOW/NO LEAD ALLOYS, 1) LOW LEAD=MAX 1% LEAD 2) NO LEAD = 875 SILICON BRONZE	AACCO CAST PRODUCTS, INC.	200526	1
LEAD DUST	REDUCE DUST, FUME AND AIR BORNE PARTICULATES IN MELT AND FINISHING AREAS OF PLANT	ESTABLISH THE BEST POSSIBLE ENGINEERING CONTROLS FOR COLLECTING DUST, FUMES AND AIRBORNE PARTICULATES IN THE MELT FINISHING AREA	AACCO CAST PRODUCTS, INC.	200526	2
LEAD	IMPROVE AIR CLEANING SYSTEM IN GRINDING AREA TO MORE EFFICIENTLY REMOVE LEAD PARTICULATES.	CUTOFF AND REDIRECT DUCT WORK TO ACHIEVE GREATER EFICIENCY IN LOCAL EXHAUST SYSTEM USED IN CONJUNCTION WITH THE GRINDING AREA. HOWEVER, AS TECHNOLOGIES IMPROVE THESE SYSTEMS WILL BE EVER CHANGING. AACCO WILL ALWAYS BE UPGRADING THESE SYSTEMS.	AACCO CAST PRODUCTS, INC.	200526	4
LEAD	IMPROVE INDOOR AIR QUALITY	IMPROVE HOUSEKEEPING. IMPROVE DAILY CLEANUP OF EMPLOYEE WORK STATIONS. PERFORM VACUUMING OF ENTIRE FOUNDRY. ENFORCE DAILY WET SWEEP.	AACCO CAST PRODUCTS, INC.	200526	5

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
LEAD	OPTIMIZE RAW MATERIAL USE	TEST A NEWLY INSTALLED POUR APPARATUS. THIS APPARATUS PROMISES TO REDUCE SPILLAGE OF MOLTEN METAL ONTO THE FOUNDRY FLOOR.	AACCO CAST PRODUCTS, INC.	200526	6
LEAD	ELIMINATE THE NEED TO PAINT NEWLY SURFACED ROADS.	INVESTIGATE INSERTING DRY PIGMENT INTO PAVEMENT WHEN PAVEMENT IS ORIGINALLY LAID. THIS WOULD ELIMINATE PAINTING ALL TOGETHER.	ADOT- SAFETY AND HEALTH SECTION	200009	17
LEAD	ELIMINATE THE USE OF LEAD BASED THREAD COMPOUNDS.	SUBSTITUTE WITH ZINC BASED THREAD COMPOUND	ASARCO - MISSION COMPLEX (SAHUARITA)	200047	5
LEAD COMPOUNDS	REDUCE PARTICULATE AND SO2 FUGITIVE EMISSIONS FROM THE FURNACE AND CONVERTERS BY 40%.	REPLACE PROCESS AND POLLUTION CONTROL EQUIPMENT IN THE FURNACE OFF-GAS DRY HANDLING SYSTEM WITH NEW AND IMPROVED WET PROCESS AND POLLUTION CONTROL EQUIPMENT	ASARCO RAY COMPLEX/HAYDEN SMELTER & CONCENTRATOR	200046	8
LEAD/TIN	REDUCE GENERATION OF RECYCLABLE SOLDER STRIPPER WASTE BY 42.2% FOR TIN LEAD PLATING REMOVAL FROM CIRCUIT BOARDS.	USE FREQUENT ANALYSIS AND ADDITION OF HYDROGEN PEROXIDE TO CHANGE SATURATION POINT TO 67.5 gm/l FROM 39 gm/l	AVANTI CIRCUITS	200054	3
LEAD	REDUCE POLLUTANTS (LEAD, CHROMIUM, CADMIUM, COPPER, NICKEL, ZINC, SILVER) RELEASED TO POTW THROUGH RINSE WATER.	ESTABLISH WRITTEN RINSING SEQUENCES (PROCEDURES) FOR THE STEEL AND ALUMINUM PLATING LINES.	AZ PLATING & ANODIZING CO	200062	2
LEAD	ELIMINATE THE FLY ASH BEING DISPOSED OF AS HAZARDOUS WASTE ** GOAL DROPPED **	ON-SITE STABILIZATION TO RENDER ASH INTO CONCRETE BLOCK; OR POSSIBLY RECYCLE THE FLY ASH THRU AZ WASTE EXCHANGE	BFI MEDICAL WASTE OF ARIZONA	200517	3
LEAD	REDUCE HAZARDOUS AIR POLLUTANTS BY 5.8 TONS/YR BY 1999 RESULTING FROM STACK EMISSIONS AND CONCENTRATE HANDLING.	INSTALL ANODE FLOOR INSTRUMENTATION. PURCHASE INCREASED EFFICIENCY VACUUM STREET SWEEPER. 1. DRYER BAGHOUSE HAS BEEN INSTALLED. 2. HIGH EFFICIENCY SWEEPER HAS BEEN PURCHASED AND REMAINS IN USE. 3. ANODE FLOOR INSTRUMENTATION AND STEAM INJECTION HAS BEEN INSTALLED.	BHP COPPER, SAN MANUEL SMELTING AND REFINING	200226	17
LEAD	REDUCE HEAVY METALS SOIL CONTAMINATION FACILITY WIDE BY 30% BY 1999.	CONSTRUCTION OF COVERED CONCENTRATE STORAGE FACILITY. ENGINEERING AND DESIGN PLANS WERE COMPLETED DURING CALENDAR YEAR 1998 AND CONSTRUCTION WAS BEGUN. CONSTRUCTION COMPLETED 6/15/99. COVERED CONCENTRATE STORAGE FACILITY NOW IN OPERATION.	BHP COPPER, SAN MANUEL SMELTING AND REFINING	200226	18
LEAD	DELIVER 10 TRAINING SEMINARS TO BHP EMPLOYEES WHICH DETAIL PROPER MANAGEMENT AND POLLUTION PREVENTION PRACTICES OF AND PERTAINING TO REDUCTION OF HEAVY METALS CONTAMINATED SOIL.	DELIVER TRAINING SEMINARS. SEMINARS COMPLETED. ANNUAL TRAINING WILL CONTINUE WITH EXISTING EMPLOYEES.	BHP COPPER, SAN MANUEL SMELTING AND REFINING	200226	19
LEAD	REDUCE RUNOFF OF SLAG CONSTITUENTS BY CONSTRUCTING A LINED RECLAMATION POND AT SLAG COOLING PITS.	CONSTRUCTION OF LINED RECLAMATION POND	BHP COPPER, SAN MANUEL SMELTING AND REFINING	200226	20
LEAD	REDUCE OR ELIMINATE MOP WATER CONTAMINATED WITH OIL AND METALS FROM SCREW MACHINES BY 90%.	INSTALL CATCH TRAYS UNDER MACHINES; RESEARCH AN OIL/ WATER SEPARATOR AND ION EXCHANGE SYSTEM, FINE TUNE PROCESS BY 7/97	CORNING GILBERT INC. -PHOENIX	200549	1
LEAD	ELIMINATE WASTE LEAD (Pb) FROM TIN/Pb TANK	REPLACE TIN/ LEAD TANK WITH TIN ONLY TANK.	DYNACO ACQUISITION CORP.	200129	13
LEAD/FLUOBORIC ACID/ETC	ELIMINATE THE TIN/LEAD 10% FLUOBORIC ACID DIP, AND HYDROCHLORIC ACID USED IN THE SOLDER PLATE PROCESS	ELIMINATE SOLDER PLATE PROCESS AND SEND ANY SOLDER REQUEST TO AN OUTSIDE SOURCE; PROVIDE A GOLD PLATED CIRCUIT BOARD.	EVERETT CHARLES TECHNOLOGIES STG	200131	1
LEAD CONTAMINATED WASTE	LEAD USAGE REDUCTION	PROCESS MODIFICATIONS, DESIGN FOR ENVIRONMENT TRAINING, PRODUCT MODS, IR REFLOW, SOLDER MASK OVER BARE COPPER, INCREASED INTEGRATION.	GENERAL DYNAMICS DECISION SYSTEMS	200257	3
LEAD (SPENT SOLDER)	CHARACTERISTIC LEAD BEARING WASTE (D008) REDUCTION. RELATED TO GOAL #3.	PROCESS MODIFICATIONS, DESIGN FOR ENVIRONMENT TRAINING, PRODUCT MODS, IR REFLOW, SOLDER MASK OVER BARE COPPER, INCREASED INTEGRATION.	GENERAL DYNAMICS DECISION SYSTEMS	200257	4
LEAD	REDUCE SHIPMENT OF HAZARDOUS WASTE BY AT LEAST 50%.	CONDUCT LABORATORY ANALYSIS OF WASTE STREAMS TO AVOID UNNECESSARY CATEGORIZATION OF WASTE AS HAZARDOUS. RECYCLE SOME OF THE WASTES INSTEAD.	GOODRICH TURBOMACHINERY PRODUCTS	200434	10
LEAD	REDUCE AMOUNT OF WASTE WATER CARTRIDGE FILTERS SHIPPED FOR INCINERATION BY 50%.	IMPROVE CONTROL OF LOADING TO WASTEWATER PLANT. RESEARCH POLYMERS AND DOSAGES FOR METAL PRECIPATION TO IMPROVE SETTLING AND REDUCE CLARIFIER CARRYOVER.	GOULD ELECTRONICS, INC.	200163	15
LEAD	ELIMINATE THE WASTE WATER CARTRIDGE FILTER WASTE STREAM.	REPLACE CARTRIDGE FILTERS WITH A BACK WASHABLE SAND FILTER.	GOULD ELECTRONICS, INC.	200163	16
LEAD	INCREASE THE LIFE OF THE ANODES BY 50%. THIS WILL REDUCE THE AMOUNT OF LEAD WASTE SHIPPED OFF-SITE BY 50%. LARGE INDUSTRIAL DE FILTERS ARE USED TO FILTER THE COPPER SULFATE SOLUTION IN THE COPPER ELECTROFORMING PROCESS AND LEAD IS USED AS THE ANODES WHICH WEAR AND CONTAMINATE THE FILTER MEDIA.	RESEARCH DIFFERENT ALLOYS. PURCHASE TEST SET. IF SUCCESSFUL, RETROFIT FACILITY WITH NEW ALLOY ANODES AS CURRENT ONES WEAR OUT.	GOULD ELECTRONICS, INC.	200163	21

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
LEAD	REDUCE MERCURY AND LEAD WASTES ASSOCIATED WITH THE REPLACEMENT OF FLUORESCENT LIGHT BULB BY 100% BY DECEMBER 2000 BY GRADUALLY REPLACING EXISTING LIGHTS WITH NON-TOXIC ONES AND START RECYCLING AS UNIVERSAL WASTE. AS OF 6/2001, 80% OF PLANT LIGHTS AND 100% OF OFFICE LIGHTS HAVE BEEN REPLACED WITH METAL HALIDE LIGHTS.	REPLACE FLUORESCENT BULBS WITH NON-TOXIC BULBS.	HERAEUS INC.--MATERIALS TECH. DIVISION	200171	1
LEAD	PRODUCTION PAINT OPS-REDUCE VOC'S BY 25% BY 12/31/95: REDUCE VOC'S ON APPLICABLE PRODUCT LINES BY 7/95.	IMPLEMENT ALTERNATIVE COATING TECHNOLOGIES ON AT LEAST 40% OF THE PRODUCTS **GOAL DROPPED**	HONEYWELL ENGINES AND SYSTEMS	200149	14
LEAD	ELECTROPLATING TECH.- REDUCE CHROME & LEAD MASKING TAPE WASTES BY 25% IN 1994 AND 25% IN 1995: REDUCE CONTAMINATED MASKING TAPE IN THE PLATING OF SMILE AREA OF VALVES (50%) AND BEARING MOUNTS (5%).	ELIMINATE LEAD TAPE AND WAX FOR MASKING AND REPLACE WITH REUSABLE MASKING DEVICES (CVC PLASTIC).	HONEYWELL ENGINES AND SYSTEMS	200149	17
LEAD	REPLACE THE TIN-LEAD SOLDER.	REVIEW LABORATORY EVALUATIONS; SCREEN POTENTIAL SUBSTITUTES.	HONEYWELL - 19TH AVE PHOENIX	200181	17
LEAD	REDUCE THE DISPOSAL OF LEAD WEIGHTS AND SHAVINGS PRODUCED FOR FLIGHT CONTROL BALANCING.	RECYCLE LEAD WEIGHTS AND SHAVINGS	LEARJET, INC.	200457	12
LEAD, CADMIUM	REDUCE TOTAL VOLUME OF HAZARDOUS SOLID WASTE GENERATED BY 75% OVER 1989 QUANTITIES	IMPLEMENTED REDUCTION & CONSERVATION PRACTICES THROUGH TRAINING; INSTALLED COMPACTION EQUIPMENT; COMPLETED WASTE STREAM SURVEY, ELIMINATE HEAVY METALS IN PRODUCTION PROCESS	LITTON ELECTRO - OPTICAL SYSTEMS	200218	2
LEAD	REDUCTION OF SOLID WASTES BY 25% IN OUR CADMIUM AND LEAD POWDER PROCESSES	REPLACE CADMIUM CONTAINING PHOSPHOR MATERIAL WITH A CADMIUM FREE PHOSPHOR. REPLACE LEAD POWDER TO MAKE METAL TO GLASS SEALS BY USING SOLID PREFORM WASHERS	LITTON ELECTRO - OPTICAL SYSTEMS	200218	8
LEAD	8.01: PROCESS ENGINEERING STUDY ON PLATING CHEMSTRY TO ELIMINATE OR REDUCE THE NEED FOR FLOCULATION/ TREATMENT FOR THE PLATING SOLUTION	ADD ANTIOXIDANT TO PLATING BATH (CONTINUOUS) TO EXTEND BATH LIFE AND REDUCE FLOCULATION REQUIREMENTS (INHIBITS OXIDATION OF SN+2)	MOTOROLA - CHANDLER	200254	1
LEAD OXIDE	RF-2000-1- ELIMINATE CYANIDE USE IN THE TECHNISTRIP PROCESS. TECHNISTRIP, CONTAINING CYANIDE IS USED TO REMOVE GOLD FIBERS FROM WAFER MANUFACTURING.	REPLACE TECHNISTRIP SOLUTION (POTASSIUM CYANIDE) WITH POTASSIUM IODIDE BASED CHEMICAL. ACTION PLAN (1) EXPERIMENT WITH REPLACEMENT CHEMICAL ON TEST WAFERS. (2) INSTALL ANY EQUIPMENT MODIFICATIONS NEEDED (NONE EXPECTED). (3) CONDUCT EXPERIMENTS ON PRODUCT. (4) QUALIFY PRODUCT FOR CUSTOMERS. (5) CONVERT TO NEW CHEMICAL.	MOTOROLA SCG (RFI OPERATION)	200727	1
LEAD SOLDER DROSS	DECREASE GENERATION OF WAVE SOLDER DROSS BY 15%	WAVE SOLDER EQUIPMENT WAS RETROFITTED WITH A NITROGEN PURGE SYSTEM TO REDUCE DROSS GENERATION	MOTOROLA COMPUTER GROUP (DIABLO WAY)	200258	3
LEAD	REDUCE THE AMOUNT OF LEAD USED IN THE PLATING OPERATION.	PARTNER WITH CUSTOMERS TO CHANGE FROM THE 60/40 MATERIAL TO A 90/10 MATERIAL.	OBERG - ARIZONA	200270	10
LEAD/ACID BATTERIES	MAINTENANCE: REDUCE LEAD/ACID BATTERY WASTE ***INACTIVE FACILITY***	RECYCLE LEAD/ACID BATTERIES OR REPLACE WITH DRY CELL BATTERIES	PHELPS DODGE BAGDAD, INC.	200114	13
LEAD	REDUCE LEAD FLAKE AT SX/EW PLANT.	IMPROVE DECANTING AND SEPARATION PROCEDURES.	PHELPS DODGE BAGDAD, INC.	200114	19
LEAD	REDUCE USE OF LEAD.	REPLACE LEAD SPACERS WITH A NON-TRI MATERIAL.	PHELPS DODGE BAGDAD, INC.	200114	23
LEAD	REDUCE USE OF LEAD.	REDUCE THE NUMBER OF LEAD SPACERS LOST AND INCREASE THE NUMBER RECYCLED.	PHELPS DODGE BAGDAD, INC.	200114	24
LEAD	POLICE ACADEMY: THE POLICE DEPARTMENT WILL USE LEAD-ALTERNATIVE FRANGIBLE BULLETS IN INDOOR RANGES AND CHANGE OPERATIONS BY HAVING A PORTION OF THE OFFICERS QUARTERLY QUALIFY IN THE INDOOR FIRING RANGES RATHER THAN OUTDOOR RANGE. REDUCTION 5/2000 - THE USE OF LEAD WILL HAVE BEEN REDUCED AT THE POLICE DEPT. ACADEMY BY APPROXIMATELY 1,128,000 ROUNDS BY THE END OF JUNE 2000 BECAUSE OF THE POLICY CHANGES AND THE ADDITIONAL P2 OPPORTUNITIES IMPLEMENTED.	REPLACE LEAD BULLETS WITH NON-LEAD BULLETS. ELIMINATING LEADED AMMUNITION IN THE INDOOR RANGES (WHICH ELIMINATED THE NECESSITY FOR AIR FILTRATION AND PERIODIC LEAD CLEAN-UP), AND CHANGING FROM "QUARTERLY QUALIFYING" TO "QUARTERLY PRACTICE" HAS RESULTED IN A SIGNIFICANT REDUCTION OF LEADED AMMUNITION USE AT THE ACADEMY. EVERY ROUND OF NON-LEADED AMMUNITION USED IN THE INDOOR RANGES REPLACES A ROUND OF LEADED AMMUNITION THAT WOULD HAVE BEEN FIRED.	PHOENIX, CITY OF-POLICE ACADEMY	200593	1
LEAD	REDUCE THE USE OF LEADED AMMUNITION. 7/01 - AMENDMENT TO GOAL - THE ACADEMY PROPOSES TO MAKE A FORMAL REQUEST TO AZ POST THAT THEY DEFINE WHAT THEY WILL AND WILL NOT ACCEPT AS DUTY AMMUNITION AND ITS EQUIVALENT FOR QUALIFYING. AZ POST'S RESPONSE WILL BE INCLUDED IN THE 2001 PROGRESS REPORT. SPECIFICALLY, IT WOULD BE HELPFUL IF AZ POST WOULD PRESENT AN OBJECTIVE SET OF FACTORS AND TESTS THAT THE AMMUNITION MUST MEET TO BE CONSIDERED EQUIVALENT.	MAKE INQUIRIES FOR POSSIBLE LEAD-FREE ALTERNATIVE AMMUNITION FOR USE IN QUALIFYING AT THE ACADEMY AND PROVIDE ADEQ AND AZ POST WITH INQUIRY INFORMATION IN THE ANNUAL PROGRESS REPORT.	PHOENIX, CITY OF-POLICE ACADEMY	200593	2

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
LEAD	REDUCE THE USE AND EXPOSURE TO LEAD BULLETS AT THE PROPOSED INDOOR SHOOTING RANGE AT THE POLICE ACADEMY.	REVIEW AND INCORPORATE P2 TECHNIQUES AND TECHNOLOGY INTO THE DESIGN OF THE INDOOR SHOOTING RANGE AT THE POLICE ACADEMY. IF FUNDS FOR CONSTRUCTION ARE APPROVED THEN THE OVERALL ENVIRONMENTAL BENEFITS OF AN INDOOR FIRING RANGE ARE AS FOLLOWS: 1. FIRED LEAD BULLETS WILL BE CONTAINED AND COLLECTED INDOOR AS OPPOSED TO BEING FIRED INTO BERMS OUTSIDE. 2. HEPA FILTERS WILL BE INSTALLED TO ENSURE AIRBORNE LEAD IS NOT INTRODUCED INTO THE ENVIRONMENT AS OPPOSED TO CURRENT OPEN AIR FIRING. 3. THE RANGE CAN BE DESIGNED TO MINIMIZE ENVIRONMENTAL IMPACTS AND MAXIMIZE EMPLOYEES SAFETY. IDEALLY, THE BULLET COLLECTION AND CONTAINMENT SYSTEM WILL FACILITATE SAFE RECOVERY OF FIRED LEAD FOR RECYCLING. 4. LIMIT LEADED AMMUNITION, IF POSSIBLE, IN THE INDOOR RANGE BY LIMITING THE NUMBER OF LANES USED FOR LEADED AMMUNITION FIRING. HOWEVER, THE COST OF NON-LEADED AMMUNITION IS CURRENTLY 2 TO 3 TIMES THE COST OF LEADED: COST WILL BE A SIGNIFICANT FACTOR IN THIS AREA.	PHOENIX, CITY OF-POLICE ACADEMY	200593	3
LEAD	REDUCE THE GENERATION OF SPENT FILTERS	EVALUATE THE POTENTIAL FOR EXTENDING THE TIME BETWEEN FILTER CHANGE OUTS WITHOUT IMPACTING PROCESS QUALITY. MODIFY PREVENTIVE MAINTENANCE SCHEDULE	QUICK TURN CIRCUITS, INC.	200596	8
LEAD (BASED SOLDER)	OTHER SOURCE REDUCTION ACTIVITIES: LEAD FREE SOLDER ALTERNATIVES - WORK WITH NATIONAL CENTER FOR MANUFACTURING SCIENCES	QUALIFY A LESS HAZARDOUS SOLDER ALLOY TO REPLACE THE LEAD BASED ALLOYS NOW IN USE. TRY TIN/BISMUTH DEVELOPED BY IBM.	RAYTHEON COMPANY USAF PLANT 44	200184	34
LEAD COMPOUNDS	PLATING WASTE ABATEMENT: REMOVE INORGANIC CONTAMINENTS FROM RINSE WATERS AT PLATING LINE TO REDUCE SLUDGE	INSTALL ION EXCHANGE SYSTEMS ON PROCESS LINES TO EFFECTIVELY REMOVE Cr,Sn/Pb,Ni AND Cu FROM RINSE WATERS. TIMED RINSE CYCLES. REPLACED CONSTANT FLOW RINSE BATHS. CONSOLIDATED PLATING LINES.	RAYTHEON COMPANY USAF PLANT 44	200184	4
LEAD OXIDE	ELIMINATE TECHNISTRIP CONTAINING A POTASSIUM CYANIDE-BASED CHEMICAL IN THE GOLD ETCH PROCESS (ZJ-2000-1).	REPLACE TECHNISTRIP WITH A DIFFERENT CHEMICAL 1) EXPERIMENT WITH REPLACEMENT CHEMICAL ON TEST WAFERS 2) DESIGN AND INSTALL ANY EQUIPMENT MODIFICATIONS NEEDED (NONE EXPECTED) 3) CONDUCT EXPERIMENTS ON PRODUCT 4) QUALIFY PRODUCT FOR CUSTOMERS 5) CONVERT TO NEW CHEMICAL.	SCI,L.L.C (ON SEMICONDUCTOR)	200726	1
LEAD/TIN	REDUCE THE NUMBER OF CIRCUIT BOARDS SCRAPPED DUE TO BAD FILM RESULTING FROM LACK OF A CLIMATE CONTROL SYSTEM IN THE ARTWORK ROOM	BUILD A CLIMATE CONTROL SYSTEM IN THE ARTWORK/IMAGE ROOM	SOUTHWEST CIRCUITS INC.	200343	12
LEAD/TIN/CIRCUIT BOARDS	ELIMINATE ALL CIRCUIT BOARD SCRAP BEING LANDFILLED	IMPLEMENT ADMINISTRATIVE CONTROLS TO PROVIDE FOR REDUCTIONS; SEARCH FOR A RECYCLER; RECYCLE IF VENDOR FOUND	SOUTHWEST CIRCUITS INC.	200343	13
LEAD COMPOUNDS	WIRE INSULATING DEPARTMENT: REDUCE THE AMOUNT OF BLEEDER SCRAP BY 20% OR 7,000 POUNDS. THIS SCRAP CONTAINS A PVC OR NYLON INSULATION JACKET. THE PVC INSULATION CONTAINS LEAD AND ANTIMONY COMPOUNDS TO STABILIZE THE PVC.	THE GOAL WILL BE ACHIEVED USING A TEAM OF EXTRUDER OPERATORS. THE OPERATORS WILL DEVELOP PROCEDURAL CHANGES AND TOOLS TO REDUCE THE AMOUNT OF TIME IT TAKES TO START THEIR MACHINES AND METHODS TO MINIMIZE PRODUCING BLEEDER SCRAP.	SOUTHWIRE COMPANY	200151	12
LEAD COMPOUNDS	INSULATING DEPARTMENT: REDUCE THE SCRAP RATE OF EXTRUSION LINE #5 BY 50% FROM 136,000 POUNDS OF PVC (92,720 LBS LEAD; 1,320 LBS ANTIMONY) OR TO 68,000 POUNDS ANNUALLY (1,360 LBS OF LEAD; 680 LBS OF ANTIMONY).	THE GOAL WILL BE ACHIEVED WITH AN EMPLOYEE PARTICIPATION TEAM EVALUATING THE REASONS WHY EXCESS SCRAP IS GENERATED ON LINE 5. THE TEAM WILL BRAINSTORM IDEAS TO REDUCE THE AMOUNT OF SCRAP GENERATED AND IMPLEMENT SOLUTIONS. THE REDUCTIONS SHOULD BE 68,000 POUNDS OF PVC WHICH CONSISTS OF 1360 LBS OF LEAD AND 680 POUNDS OF ANTIMONY COMPOUNDS.	SOUTHWIRE COMPANY	200151	15
LEAD (BULLETS)	REDUCE THE DISPOSAL OFFIRED BULLETS AND SAND FROM THE FIRING RANGE.	RECYCLE ALL FIRED BULLETS AND SAND (WHEN REMOVED) TO SECONDARY LEAD SMELTER AS A FLUX REPLACEMENT. (OCCURS APPROXIMATELY EVERY TWO YEARS).	STURM RUGER AND COMPANY, INC.	200362	11
LEAD (FROM MACHINE SHOP)	REDUCE THE VOLUME OF THE HAZARDOUS MACHINE CUTTING OIL (OIL IS USED TO CONTROL LEAD DUST FROM CUTTING LEAD BRONZE) REMOVED WHEN A MACHINE IS DOWN FOR MAINTENANCE	RECYCLE THE USE OIL AND REUSE THE OIL IN ANOTHER MACHINE THEREBY REDUCING THE VOLUME OF HAZARDOUS WASTE FOR DISPOSAL	TUCSON FOUNDRY & MFG, INC	200397	12
LEAD (DUST)	REDUCE THE AMOUNT OF LEAD AND SILICA DUST IN THE FOUNDRY, CLEANING ROOM AND MACHINE SHOP	INVESTIGATE WAYS TO GENERATE LESS DUST AND WAYS TO DEAL WITH DUST THAT IS GENERATED. RECYCLE COLLECTED DUST TO A SMELTER.	TUCSON FOUNDRY & MFG, INC	200397	13
LEAD (DUST)	REDUCE THE AMOUNT OF FACTORY SAND THAT CAN BECOME AIRBORNE OR ENTRAINED IN STORMWATER	VACUUM SWEEP THE SERVICES YARD SEMI-WEEKLY	TUCSON FOUNDRY & MFG, INC	200397	14
LEAD	REDUCE USE OF LEADED BRONZE USE IN CASTING	REQUEST AND MARKET CLIENTS TO SUBSTITUTE A BISMUTH ALLOY INSTEAD OF USING LEADED BRONZE.	TUCSON FOUNDRY & MFG, INC	200397	15

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
LEAD	REDUCE AMOUNT OF LEAD CONTAMINATED REFUSE PRODUCED DURING FURNACE REBUILDING (CLEANING) ** GOAL DROPPED **	INSIDE LAYER OF LINING WITH LEAD CONTAMINATION ON INSIDE SURFACE TO BE REMOVED BY PEELING WITH AN AIR CHISEL	TUCSON FOUNDRY & MFG, INC	200397	3
LEAD DUST	REDUCE THE AMOUNT OF LEAD DUST FORMED DURING CUTTING AND CLEANING OF CASTINGS.	CUTTING: FLOOD CUTTING MACHINES KEEPS AIRBORNE LEAD DOWN 80%. CLEANING ROOM: INSTALL AIR WALLS; FILTER AIR 3 TIMES TO ACHEIVE 95% REDUCTION.	TUCSON FOUNDRY & MFG, INC	200397	4
LEAD	CONTROL THE BUILDUP OF LEAD DUST IN THE RAFTERS ** GOAL DROPPED **	INSTALL CEILING PANELS	TUCSON FOUNDRY & MFG, INC	200397	6
LEAD DUST	IMPROVE DUST CAPTURE THROUGHOUT THE BUILDING	INSTALLED PORTABLE BRONZE CHIP VACUUM TO KEEP LEAD FROM GETTING AIRBORNE WHEN CLEANING FLOORS.	TUCSON FOUNDRY & MFG, INC	200397	8
LEAD FUMES	REDUCE EMISSIONS OF FUGITIVE LEAD FUMES FROM FURNACES AND POURING LADLE TO 50 UG/CM.	DOUBLE DUST COLLECTOR CAPACITY; COVER FURNACE AND LADLE WITH VACUUM SYSTEM; MODIFY THE FUME COLLECTION SYSTEM WITH NEW DUCTS AND COLLECTORS	TUCSON FOUNDRY & MFG, INC	200397	9
LEAD	REDUCE WASTE WATER GENERATED BY THE 56TH EMS WHEEL & TIRE SHOP JET WASHERS.	USE WATER EATERS "EVAPORATORS" INVESTIGATE SUITABILITY OF USING THE WWTF PRETREATMENT UNIT. USE SURFACTANT THAT DOES NOT ATTACK THE HEAVY METAL ON PARTS BEING WASHED	U.S.A.F. - LUKE	200409	27
LEAD	REDUCE WASTE WATER GENERATED BY THE 56TH EMS AND 944TH ARMAMENT SHOPS JET WASHERS.	USE WATER EATERS "EVAPORATORS" INVESTIGATE SUITABILITY OF USING THE WWTF PRETREATMENT UNIT.	U.S.A.F. - LUKE	200409	28
LEAD	REDUCE THE DISPOSAL OF SPENT ANTIFREEZE USED IN MILITARY VEHICLES BY 75%.	RECLAIM SPENT ANTIFREEZE WITH A KLEERFLO ANITFREEZE RECYCLING SYSTEM.	U.S.A.F. - DAVIS MONTHAN	200408	3
LEAD	MAINTAIN MINIMAL WASTE STREAM GENERATION BY REDUCING WATER FROM NEW WET BEAD BLAST OPERATION AT 56TH EMS	USE WATER EATERS "EVAPORATOR" FOR WET BEAD BLAST WASTE STREAM.	U.S.A.F. - LUKE	200409	33
LEAD/SAND WASTE	REDUCE WASTE GENERATION AT THE SMALL ARMS FIRING RANGE (LEAD CONTAMINATED SAND)	INSTALL CAZWELL BACKSTOP TO COLLECT SPENT SHOT AND ELIMINATE CONTAMINATED SAND	U.S.A.F. - LUKE	200409	4
LEAD	REDUCE THE GENERATION OF SPENT BREACH CLEANING SOLUTION FROM JET WASHER IN ARMAMENT SHOP BY 50%.	***NEW REDUCTION METHOD PER PROG. RPT DTD 6/18/98. REPLACE CURRENT PROCESS WITH A RECYCLING PARTS WASHER SYSTEM & DISPOSE OF WASTEWATER AT THE INDUSTRIAL WWPTP.	U.S.A.F. - DAVIS MONTHAN	200408	4
LEAD	REDUCE VEHICLE BATTERY PROCUREMENT AND RECYCLING COSTS BY 50% IN VEHICLE AND AIRCRAFT MAINTENANCE BY LENGTHENING VEHICLE BATTERY LIFETIMES.	RESEARCH AND UTILIZE ELECTRIC AND SOLAR POWERED DEVICES (PULSE TECH PRODUCTS) TO ENHANCE BATTERY LIFETIMES BY REVERSING AND PREVENTING SULFATION IN THE BATTERY.	U.S.A.F. - LUKE	200409	42
LEAD (BATTERIES)	REDUCE WASTE GENERATED AS USED BATTERIES (LEAD ACID, NICKEL/CADMIUM, LITHIUM, AND MERCURY) - STOP ACID NEUTRALIZATION	IMPLEMENT CONTRACTS FOR BATTERY RECYCLING	U.S.A.F. - LUKE	200409	5
LEAD CONTAMINATED WATER	ARMAMENT SHOP: MINIMIZE HAZARDOUS WASTE (LEAD CONTAMINATED WATER) GENERATED FROM CLEANING SMALL WEAPONS	PURCHASE AND INSTALL AN ENCLOSED HOT WATER JET WASHER TO REPLACE THE AQUEOUS DETERGENT (XRT-5) IN THE CLEANING TANK	U.S.A.F. - LUKE	200409	7
LEAD	REDUCE THE DISCHARGE OF LEAD	IMPLEMENT EFFECTIVE MANAGEMENT SYSTEM; DETERMINE BASELINE LEAD DISCHARGE VOLUMES; MONITOR AND INVENTORY CONTROL - DROPPED -	UNITED MUSICAL INSTRUMENTS - NOGALES	200418	10
LEAD	REDUCE THE LEAD SLAG VOLUMES GENERATED IN THE DRAWING AND FORMING PROCESS.	RINSE THE LEAD DOUGHNUTS PRIOR TO HEATING TO REDUCE AMOUNT OF LEAD SLAG. - **DROPPED**	UNITED MUSICAL INSTRUMENTS - NOGALES	200418	4
LEAD	REDUCE CORROSIVE PACK - DRUM WASH WASTES BY 5% PER YEAR	CHANGE PRODUCT MIX, MOVE CERTAIN PRODUCTS TO OTHER FACILITIES IN THE AREA, DEVELOP WRITTEN OPERATING PROCEDURES.	UNIVAR USA, INC.	200426	10
LEAD	REDUCE WASTE GENERATION FROM RINSING RETURNED DRUMS OF CORROSIVE LIQUIDS (ACIDS/HYDROXIDES). REDUCE TO 6000 LBS BY 1994	INSTALLED A WASTE WATER PRETREATMENT SYSTEM AND FILTER PRESS TO DEWATER SLUDGE.	UNIVAR USA, INC.	200426	6
LEAD	ELIMINATE HAZARDOUS WASTE GENERATED FROM FLOOR CLEANING OF C-1 DEPT.	BUY AND UTILIZE RECYCLING UNIT FOR FLOOR CLEANING OPERATIONS IN SECOND OPERATIONS TO REDUCE THE BRASS SHAVINGS (WHICH CONTAIN LEAD).	WEISER LOCK COMPANY	200435	14
LEAD-CONTAINING DEBRIS	EVALUATE ALTERNATIVE METHODS OF DISPOSAL FOR THE LEAD-CONTAINING DEBRIS WASTE STREAM TO REPLACE INCINERATION.	SENDING LEAD-CONTAINING WASTE STREAM TO A PRECIOUS METAL RECLAIM FACILITY	MOTOROLA COMPUTER GROUP (DIABLO WAY)	200258	6
LIME	OPTIMIZE THE VOLUME OF METAL SLUDGE PRODUCED DURING CHEMICAL PRECIPITATION.	REPLACED THE LIME WITH MAGNESIUM OXIDE.	EVERETT CHARLES TECHNOLOGIES STG	200131	6
LIME	REDUCE LIME MATERIAL LOSS DURING RAW MATERIAL TRANSFER.	REPLACE FINE GRAINED LIME WITH LARGER GRAIN LIME	NORTH STAR STEEL ARIZONA	200615	12
LIME (MILK OF)	MAINTENANCE: REDUCE POTENTIAL FOR FUTURE SOIL CONTAMINATION FROM MILK OF LIME TANKS SPILLS	CONSTRUCT CONTAINMENT FOR TWO 58,000 GALLON TANKS	PHELPS DODGE BAGDAD, INC.	200114	10

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
LIME	REDUCE LIME USAGE IN THE FLOTATION CIRCUITS	DECREASE LIME USAGE FOR FLOTATION CIRCUITS FAILED. LIME USAGE DECREASED WHEN TAILINGS LINES WERE MODIFIED	PHELPS DODGE BAGDAD, INC.	200114	17
LITHIUM	ELIMINATE LITHIUM BATTERY USE IF POSSIBLE.	ELIMINATE USE OF LITHIUM BATTERIES OR IDENTIFY ACCEPTABLE ALTERNATIVES.	U.S.A.F. - LUKE	200409	31
LOG FOAM SEAL	FOAM SEAL: REDUCE THE AMOUNT OF HAZARDOUS LOG FOAM SEAL	REPLACE THE FOAM LOG SEALS WITH STEEL SHOE PRIMARY SEALS ON THE STORAGE TANKS. THE REPLACEMENT OF THE FOAM LOG SEALS WILL BE PERFORMED WHENEVER THE TANK IS TAKEN OUT OF SERVICE FOR PRODUCT CHANGE OR FOR TANK MAINTENANCE.	SFPP, L.P (PHOENIX)	200337	10
LOG FOAM SEAL	REDUCE THE AMOUNT OF HAZARDOUS LOG FOAM SEAL WASTE SENT OFFSITE FOR TREATMENT AND DISPOSAL.	REUSE UNDAMAGED PORTION OF LOG SEAL DURING PARTIAL LOG SEAL REPLACEMENT	SFPP, L.P (PHOENIX)	200337	3
LOW LEVEL RADIOACTIVITY	REDUCE SOLVENT BASED SCINTILLATION COCKTAIL WASTES BY 20%	EVALUATE LABORATORY PROCESSES; SEGREGATE NON-RCRA AQUEOUS SCINTILLATION WASTES **DROPPED**	UNIVERSITY OF ARIZONA	200424	4
LT. ALIPHATIC HC SOLVENT	PAINT CLEANUP: REDUCE ONSITE STORAGE AND OFFSITE DISPOSAL OF THE CLEANING SOLVENTS/REDUCER USED TO CLEAN PAINT GUNS AND OTHER SMALL EQUIPMENT	EVALUATE THE CURENT USE OF REDUCERS FOR CLEANING PURPOSES AND DETERMINE IF IT WOULD BE VIABLE (ECONOMICALLY AND OPERATIONALLY) TO REUSE OR RECYCLE THE CLEANING WASTE THEREBY REDUCING THE AMOUNT OF PRODUCT PURCHASED AND THE AMOUNT OF WASTE SHIPPED OFF-SITE (I.E. INSTALL ON-SITE SOLVENT RECYCLING SYSTEM)	HEIL ENVIRONMENTAL INDUSTRIES LTD.	200530	3
LUBRICATING OILS	MAINTENANCE- LUBE OIL STORAGE CONTAINMENT: REDUCE SPILLS AND PETRO-LEUM CONTAMINATION	CONSTRUCT NEW STORAGE CON-TAINMENT AREA, UNLOADING AND SERVICE PAD TO PREVENT PETROLEUM PRODUCTS FROM REACHING THE GROUND	PHELPS DODGE BAGDAD, INC.	200114	7
LUBRICATION FLUID	EVALUATE METHODS TO FILTER IMPURITIES FROM THE SYNTHETIC HYDROCARBON BASED LUBRICATION FLUID TO ALLOW FLUID RECYCLING	EVALUATE EXISTING FILTERING METHODS	STERIS CORPORATION	200328	7
MAGNESIUM SHAVINGS	OTHER SOURCE REDUCTION ACTIVITIES: REDUCTION OF MAGNESIUM USAGE OF MACHINED MAGNESIUM IN DESIGN BY 50%, & IN HOUSE MACHINING 75%	DESIGN FOR ENVIRONMENT; ALUMINUM HAS BEEN SUBSTITUTED FOR MAGNESIUM IN ALL TEST EQUIPMENT DESIGNS. REDUCE IN-HOUSE MACHINING OG MAG. BY 75%.	RAYTHEON COMPANY USAF PLANT 44	200184	35
MAK 1%	REDUCE THE T-2 USAGE PER UNIT OF PRODUCT PRODUCED BY 20%. ACTION PLAN (1): CONTINUE TO WORK TOWARDS A CONSISTENT FORMULATION OF INPUT MATERIALS. ACTION PLAN (2): CONTINUE TOWARDS DEVELOPING CONSISTENT PROCESS & CONTROLS TO INCREASE EFFICIENCY & REDUCE T-2 SOLVENT USAGE.	CONTINUE TO MAKE INCREMENTAL REFINEMENTS OF PROCESS AND CONTROLS FOR INCREASE IN YIELDS.	BRUSH CERAMIC PRODUCTS	200075	4
MANGANESE	REDUCE RAW MATERIAL LOSS DURING STORAGE AND TRANSFER 1) DEVELOP MANAGEMENT PROCEDURES FOR EACH TYPE OF RAW MATERIAL (LOOSE, PALLETED, SCRAP, ETC) 12/31/2000 2) DEVELOP MATERIAL LOADING PROCEDURES 6/30/2000 3) TRAIN EMPLOYEES 12/31/2001.	DEVELOP MANAGEMENT PRACTICES	NORTH STAR STEEL ARIZONA	200615	11
MDI	REDUCE MDI WASTE GENERATED IN MATERIAL TRANSFER OPERATIONS. (1) ANALYZE SOURCES OF MDI LOSS. (2) DETERMINE EQUIPMENT/PROCEDURAL CHANGES NECESSARY. (3) DRAFT PROCEDURES AND IMPLEMENT. (4) IDENTIFY AND IMPLEMENT WASTE TREATMENT PROCEDURE. (5) ON-GOING MONITORING.	CAPTURE AND REUSE OF MDI TRANSFER LOSS AND SOLIDIFICATION OF ANY UNUSABLE MDI WASTE.	ACCUFLEX CORPORATION	200634	1
MDI	REDUCE MDI WASTE GENERATED IN MATERIAL TRANSFER OPERATIONS. 1) PURCHASE REUSABLE CONTAINERS 2) IMPLEMENT USE 3) MONITOR	IMPLEMENT REUSABLE CONTAINERS FOR TRANSFER OF MDI TO RESEARCH LINE.	ACCUFLEX CORPORATION	200634	4
MDI (METHYLENE DIPHENAL DIISOCYANATE)	REDUCE EMISSIONS OF MDI BY 50%	INSTALL CLOSED SYSTEM BLENDER.	UCSC (Urethane Contr. Supply & Consult.)	200651	4
MEHTYLENE CHLORIDE	MAINTAIN SOLVENT REPACK - FILTERS AND ABSORBENT WASTES TO BELOW 3500 LBS PER YEAR	DEVELOP WRITTEN OPERATING PROCEDURES.	UNIVAR USA, INC.	200426	8
MEK / GLYCOL ETHERS	REDUCE THE USE OF PAINT AND MEK	THIS GOAL TRACKS MEK REDUCTION. RESEARCH SPRAY GUN TECHNIQUES, TRAINING, AND CLEANING METHODS.	AMBER GLASS & STEEL, INC.	200725	2
MEK 9%	REDUCE THE T-2 USAGE PER UNIT OF PRODUCT PRODUCED BY 20%. ACTION PLAN (1): CONTINUE TO WORK TOWARDS A CONSISTENT FORMULATION OF INPUT MATERIALS. ACTION PLAN (2): CONTINUE TOWARDS DEVELOPING CONSISTENT PROCESS & CONTROLS TO INCREASE EFFICIENCY & REDUCE T-2 SOLVENT USAGE.	CONTINUE TO MAKE INCREMENTAL REFINEMENTS OF PROCESS AND CONTROLS FOR INCREASE IN YIELDS.	BRUSH CERAMIC PRODUCTS	200075	4
MEK AND IPA	REDUCE EMISSIONS FROM PHENOLIC RESINS.	CHANGE FROM USING A PHENOLIC RESIN FROM ACETONE MIXTURES TO A WATER BASE RESIN	HEXCEL CORPORATION	200464	15

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
MEK / GLYCOL ETHERS	ELIMINATE MEK USE FOR PAINT SHOP CLEANING PROCESSES: ACTION PLAN 1. OBTAIN COSTS, 2. TEST CLEANING SOLVENTS, 3. IMPLEMENT BEST ALTERNATIVE, 4. EVALUATE BEST ALTERNATIVE AFTER 3 MONTHS USE.	1. REPLACE MEK WITH A SAFER CLEANING SOLVENT, LIKE ACETONE. 2. MODIFY PAINTING PROCESS TO REDUCE CLEANING SOLVENT WASTE.	HONEYWELL AEROSPACE SERVICES	200024	7
MEK / GLYCOL ETHERS	REDUCE MEK AND XYLENE EMISSIONS.	REPLACE FINAL BASE COATS AND CLEAR COATS WITH PRODUCTS THAT CONTAIN LESS MEK AND XYLENE.	PENDA GLASSTITE WEST	200587	7
MEK / GLYCOL ETHERS	REDUCE USE OF TOLUENE BY 30% AND USE OF XYLENE, METHYL ETHYL KETONE, AND GLYCOL ETHERS BY 10%	REVIEW MSDS; SUBSTITUTE ETHERS FOR KETONES; USE WATER BASED STAINS AND TOPCOATS; USE WATER IN PLACE OF SOME SOLVENTS	TRENDWOOD INC - 15TH AVE	200509	2
MERCURY	ELIMINATE MERCURY THERMOMETERS AND MERCURY IN GAUGE THERMOMETERS UNLESS REQUIRED BY FDA REGULATIONS	REPLACE WITH ELECTRONIC OR BIMETALLIC TEMPERATURE MEASURING DEVICES; USE DIGITAL OR ELECTRONIC DEVICE.	ABBOTT LABORATORIES	200326	1
MERCURY	REDUCE BREAKAGE RISK OF THE THERMOMETERS CONTAINING MERCURY.	SECURE THERMOMETERS; USE "ENCASED" THERMOMETERS; REBUILD HOLDERS TO ACCOM-ODATE LARGER ENCASED THERMOMETERS; INSTALL STAINLESS STEEL GUARDS; RETURN TO VENDOR FOR RECYCLING.	ABBOTT LABORATORIES	200326	2
MERCURY	REDUCE MERCURY WASTE STREAM CREATED FROM MERCURY IN WELDING ROLLER USED TO MAKE METAL CANS.	DETERMINE COSTS AND DETAILS NECESSARY FOR CAPITAL PROJECT TO MODIFY 2 WELDERS	ABBOTT LABORATORIES	200326	3
MERCURY LAMP WASTE	ELIMINATE WASTE MERCURY IN VAPOR LAMPS.	REPLACE LAMPS WITH A LESS HAZARDOUS OPTION.	ALLIED TUBE AND CONDUIT	200032	25
MERCURY	ELIMINATE USE OF FOUR-FOOT LENGTH MERCURY LAMPS WHICH DO NOT PASS THE TCLP TEST AT THE AWA HANGER.	REPLACE FOUR-FOOT MERCURY CONTAINING LAMPS WITH ALTO LAMPS WHICH PASS THE TCLP TEST FOR MERCURY.	AMERICA WEST AIRLINES	200028	9
MERCURY	OUR WATER TEST FOR CHLORIDES GENERATES A HAZARDOUS WASTE STREAM. CHANGING TO AN ION CHROMATOGRAPH UNIT THIS WASTE STREAM CAN BE ELIMINATED.	PURCHASE AN ION CHROMATOGRAPH UNIT FOR WATER ANALYSIS	APS CHOLLA POWER PLANT	200591	2
MERCURY (BULBS AND LAMPS)	REDUCE THE AMOUNT OF MERCURY CONTAINING BULBS AND LAMPS USED PLANT-WIDE WITH GREEN LIGHTS.	REPLACE AND RECYCLE MERCURY CONTAINING BULBS AND LAMPS WITH NON-MERCURY CONTAINING GREEN LIGHTS.	APS CHOLLA POWER PLANT	200591	8
MERCURY (THERMOMETERS)	ELIMINATE ALL MERCURY THERMOMETERS	REPLACE 1400 MERCURY THERMOMETERS WITH NON-MERCURY ONES	ARIZONA STATE UNIVERSITY-RISK MGMT.	200064	1
MERCURY	CONTINUE TO REDUCE THE AMOUNT OF WASTE MERCURY AND MERCURY CONTAMINATED DEBRIS THAT IS GENERATED FROM ACADEMIC AND RESEARCH LABORATORY UTILIZING MERCURY CONTAINING DEVICES. (12/99 REPORTED REDUCTION QUANTITY 20 LBS.)	REPLACE MERCURY CONTAINING DEVICES WITH MATERIALS THAT ARE LESS TOXIC.	ARIZONA STATE UNIVERSITY-RISK MGMT.	200064	6
MERCURY LAMP WASTE	ELIMINATE MERCURY LAMP WASTE.	IMPLEMENT A MERCURY LIGHT REPLACEMENT PROGRAM.	AZ AIRFORCE NATIONAL GUARD (TUCSON/PHOENIX)	200696	11T
MERCURY	ELIMINATE MERCURY BEARING FLUORESCENT LIGHTING TUBES BY FORMING LIGHTING COALITION TO INVESTIGATE THE USE OF NON-MERCURY BEARING FLUORESCENT TUBES.	FORM COALITION TO INVESTIGATE NON-MERCURY BEARING FLUORESCENT TUBES.	BHP COPPER, SAN MANUEL SMELTING AND REFINING	200226	10
MERCURY	DELIVER TRAINING SEMINARS TO BHP EMPLOYEES WHICH DETAIL PROPER MANAGEMENT AND POLLUTION PREVENTION PRACTICES OF AND PERTAINING TO MERCURY-BEARING FLUORESCENT LIGHT TUBES	DELIVER P2 SEMINARS TO EMPLOYEES. TRAINING WILL BE PROVIDED TO NEW EMPLOYEES AND INCLUDE ANNUAL REFRESHER TRAINING.	BHP COPPER, SAN MANUEL SMELTING AND REFINING	200226	11
MERCURY	ELIMINATE MERCURY BEARING INSTRUMENTATION FROM THE PLANT AND MINE TO THE GREATEST EXTENT POSSIBLE	REMOVE 6 REMAINING MERCURY SEALED BYRON JACKSON SUBMERSIBLE PUMPS AND REPLACE WITH DOUBLE MECHANICAL SEALED PUMPS	BHP COPPER, SAN MANUEL SMELTING AND REFINING	200226	4
MERCURY	ELIMINATE MERCURY BEARING THERMOSTATS AT THE RATE OF 30 PER YEAR	REPLACE MERCURY BEARING THERMOSTATS WITH NON-MERCURY BEARING THERMOSTATS	BHP COPPER, SAN MANUEL SMELTING AND REFINING	200226	8
MERCURY	ELIMINATE DISPOSAL OF MERCURY BEARING FLUORESCENT TUBES.	SEND USED FLUORESCENT LIGHT TUBES TO AN APPROVED RECYCLING FACILITY	BHP COPPER, SAN MANUEL SMELTING AND REFINING	200226	9
MERCURY	REDUCE THE AMOUNT OF MERCURY DISPOSED OF FROM FLUORESCENT LIGHT TUBES FROM THE ENTIRE FACILITY.	BY REPLACING THE STANDARD FLUORESCENT TUBES WITH LOW MERCURY TUBES.	CHEM RESEARCH CO	200085	8
MERCURY	FACILITIES 5B: REPLACE EXISTING FLUORESCENT LIGHTS	ACTIONS 1-7: EVALUATE ALTERNATIVES; TRIAL REPLACEMENT; BUILDING A AND B REPLACEMENT	CYTECFIBERITE	200185	19
MERCURY	ELIMINATE THE USE OF MERCURY SPHYGMOMETERS	PURCHASE AND INSTALL NON-MERCURY SPHYGMOMETERS	GOOD SAMARITAN REGIONAL CENTER	200547	1
MERCURY	REDUCE MERCURY AND LEAD WASTES ASSOCIATED WITH THE REPLACEMENT OF FLUORESCENT LIGHT BULB BY 100% BY DECEMBER 2000 BY GRADUALLY REPLACING EXISTING LIGHTS WITH NON-TOXIC ONES AND START RECYCLING AS UNIVERSAL WASTE. AS OF 6/2001, 80% OF PLANT LIGHTS AND 100% OF OFFICE LIGHTS HAVE BEEN REPLACED WITH METAL HALIDE LIGHTS.	REPLACE FLUORESCENT BULBS WITH NON-TOXIC BULBS.	HERAEUS INC.--MATERIALS TECH. DIVISION	200171	1

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
MERCURY	ELIMINATE THE USE OF MERCURY SWITCHES TO THE MAXIMUM EXTENT FEASIBLE	INVESTIGATE AVAILABILITY OF NON-MERCURY ELECTRICAL SWITCHES. REPLACE EXISTING MERCURY SWITCHES WHERE FEASIBLE.	HEXCEL CORPORATION	200464	29
MERCURY	ELIMINATE THE USE OF MERCURY THERMOMETERS TO THE MAXIMUM EXTENT FEASIBLE	INVESTIGATE AVAILABILITY OF NON-MERCURY THERMOMETERS FOR TEST EQUIPMENT. REPLACE EXISTING MERCURY THERMOMETERS WHERE FEASIBLE	HEXCEL CORPORATION	200464	30
MERCURY	RECLAMATION FOR MERCURY FLUORESCENT TUBES & HIGH INTENSITY UV "ULTRAVIOLET" LAMPS FROM CHANDLER.	IMPLEMENT REQUIRED MANAGEMENT AS HAZARDOUS WASTE. TARGET ALL MERCURY LAMPS FOR OFF-SITE RECLAMATION FOR MERCURY CONTENT, GLASS CONTENT AND SCRAP METAL VALUE.	MICROCHIP TECHNOLOGY-CHANDLER	200247	11
MERCURY (THERMOMETERS)	8.03 MERCURY WASTE: ELIMINATE MERCURY WASTE FROM MERCURY THERMOMETERS	EDUCATE PLANT PERSONNEL TO USE NON-MERCURY THERMOMETERS; REVISE PURCHASING CRITERIA; SUBSTITUTE WITH NON-MERCURY THERMOMETERS.	MOTOROLA - CHANDLER	200254	3
MERCURY LAMP WASTE	ELIMINATE THE INCINERATION AND SUBSEQUENT LANDFILLING OF FLUORESCENT MERCURY VAPOR LAMP TUBES.	SEND 100% OF THE FLUORESCENT MERCURY VAPOR LAMP TUBES TO A MERCURY LAMP RECLAIMER.	MOTOROLA - MESA	200255	9
MERCURY	REDUCE MERCURY RELEASES	TRAIN PROCESS CONTROL TECHNICIANS ON PROPER HANDLING OF THERMOMETERS	NELCO TECHNOLOGY, INC.	200265	30
MERCURY	ELIMINATE MERCURY RELEASES	REPLACE GLASS THERMOMETERS WITH ELECTRONIC DEVICES	NELCO TECHNOLOGY, INC.	200265	31
MERCURY	ELIMINATE THE GENERATION OF THE LIQUID MERCURY HAZARDOUS WASTE STREAM CAUSED BY BROKEN THERMOMETERS (SPILLS)	REMOVE ALL EXISTING THERMOMETERS AND REPLACE THEM WITH NON-MERCURY TYPE THERMOMETERS (BI-METAL OR THERMOCOUPLE TYPE)	NELCO TECHNOLOGY, INC.	200265	9
MERCURY (BULBS AND LAMPS)	REDUCE FLUORESCENT AND MERCURY VAPOR LIGHT BULB GENERATION.	EVALUATE THE NUMBER OF LIGHT BULBS USED AND OPPORTUNITIES FOR REDUCTION.	NORTH STAR STEEL ARIZONA	200615	18
MERCURY	REDUCE FLUORESCENT AND MERCURY VAPOR LIGHT BULB GENERATION.	EVALUATE THE NUMBER OF LIGHT BULBS USED AND OPPORTUNITIES FOR REDUCTION	NORTH STAR STEEL ARIZONA	200615	8
MERCURY LAMP WASTE	MERCURY CONTAINING PROCESS: REDUCE EMISSIONS ASSOCIATED WITH THE ACCIDENTAL BREAKAGE OF LIGHTS DURING REPLACEMENT	EDUCATE EMPLOYEES ON THE PROPER PROCEDURES FOR REPLACING MERCURY CONTAINING LIGHTS AND PROPER STORAGE REQUIREMENTS.	PHELPS DODGE MINING, MORENCI BRANCH	200281	6
MERCURY LAMP WASTE	REPLACE MERCURY CONTAINING LAMPS WITH NON-MERCURY CONTAINING "GREEN LIGHTS." (350 LAMPS)	THE USE OF MERCURY-CONTAINING LAMPS CAN BE ELIMINATED AND REPLACED WITH NON-MERCURY CONTAINING "GREEN LIGHTS."	PING, INC	200208	15
MERCURY LAMP WASTE	REPLACE 1,000 POUNDS OF MERCURY CONTAINING LAMPS WITH "GREEN LIGHTS."	THE USE OF MERCURY CONTAINING FLUORESCENT LAMPS CAN BE ELIMINATED AND REPLACED WITH "GREEN LIGHTS."	PING, INC	200208	16
MERCURY (BULBS AND LAMPS)	REPLACE 1000 POUNDS OF MERCURY CONTAINING LAMPS WITH "GREEN LIGHTS."	REPLACE WITH "GREEN LIGHTS."	PING, INC	200208	18
MERCURY (THERMOMETERS)	OTHER SOURCE REDUCTION ACTIVITIES: MERCURY ELIMINATION	CONTINUOUS MEASURABLE IMPROVEMENT IN THE REDUCTION OF MERCURY BEARING INSTRUMENTS	RAYTHEON COMPANY USAF PLANT 44	200184	36
MERCURY	ELIMINATE MERCURY SPILLS/ CLEANUP/DISPOSAL FROM LABORATORY THERMOMETER BREAKAGE BY DEC. 2000 THROUGH REPLACEMENT WITH ENVIRONMENTALLY SAFE THERMOMETERS.	REPLACEMENT WITH ENVIRONMENTALLY SAFE THERMOMETERS.	SCHEIN PHARMACEUTICAL INC.	200360	9
MERCURY	REDUCE THE USE OF MERCURY IN THE PLANT.	REDUCE USE OF MERCURY IN THE PLANT BY ELIMINATING MERCURY CONTAINING PRESSURE SENSING AND LEVEL SENSING SWITCHES IN THE BOILER ROOM AND ON STEAM SYSTEM.	SCHREIBER FOODS, INC.	200529	21
MERCURY	REDUCE THE USE OF MERCURY IN THE PLANT.	REDUCE THE USE OF MERCURY IN THE PLANT BY REDUCING THE AMOUNT OF COD TESTINGS AND/OR UTILIZING ANOTHER EPA APPROVED TESTING ALTERNATIVE THAT MAY NOT USE MERCURY AS A CATALYST FOR WASTE WATER SAMPLING.	SCHREIBER FOODS, INC.	200529	22
MERCURY	ELIMINATE MERCURY CONTAINING PRODUCTS THROUGHOUT PLANT.	IMPLEMENT ALTERNATIVES TO MERCURY CONTAINING THERMOMETERS, FLUORESCENT LAMPS, HID LAMPS. (1998) MERCURAY CONTAINING THERMOMETERS HAVE BEEN REPLACED WITH ELECTRONIC PROBES. FOUR & EIGHT FOOT FLOURESCENT LAMPS ARE BEING REPLACED AS NEEDED WITH PHILLIPS ALTO LAMPS. U-TUBES WILL BE REPLACED ONCE PHILLIPS HAS RELEASED THE ALTO ALTERNATIVE (EXPECTED LATE 1999. NO ENERGY EFFICIENT ALT. TO HID LAMPS ARE AVAILABLE AT THIS TIME. ALL LAMPS CONTINUE TO BE COLLECTED AND RECYCLED.	SEA RAY BOATS, INC.	200334	24
MERCURY	ELIMINATE ALL MERCURY CONTACTORS	REPLACE MERCURY CONTACTORS WITH ELECTRONIC MICRO-SWITCHES AS TECHNOLOGY PERMITS.	STERIS CORPORATION	200328	12
MERCURY	ELIMINATE STORED MERCURY: ACTION PLAN (1): RESEARCH WASTE RECOVERY OPTIONS. ACTION PLAN (2): EMPLOY WASTE RECOVERY COMPANY. ACTION PLAN (3): TRANSFER MERCURY TO WASTE RECOVERY COMPANY FOR RECLAIMATION.	MERCURY WILL BE RETRIEVED BY A WASTE RECOVERY COMPANY FOR RECLAIMATION.	STERIS CORPORATION	200328	8

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
MERCURY	REDUCE THE NUMBER OF MERCURY THERMOMETERS IN USE: ACTION PLAN (1): RPLACE THE TWO STANDARD MERCURY THERMOMETERS WITH ALCOHOL-BASED THERMOMETERS . ACTION PLAN (2): INCREASE EMPLOYEE AWARENESS IN THE HANDLING OF THE NIST MERCURY THERMOMETER	REPLACE MERCURY WITH ALCOHOL THERMOMETERS AND INCREASE EMPLOYEE AWARENESS IN ANNUAL TRAINING	STERIS CORPORATION	200328	9
MERCURY	RECYCLE ALL MERCURY CONTAINING BULBS	BEGIN IN-HOUSE RECYCLING PROGRAM WITH LIGHTING RESOURCES	TALLEY DEFENSE SYSTEMS - PLT 4	200370	9
MERCURY LAMP WASTE	ELIMINATE THE HAZARDOUS WASTE DISPOSAL OF MERCURY LAMPS.	RECYCLE 100% OF ALL WASTE MERCURY LAMP MATERIALS.	THE BOEING COMPANY	200238	25
MERCURY	REDUCE BY 100% THE FLUORESCENT LIGHT BULB WASTE STREAM GENERATED THROUGHTOUT THE FACILITY.	PURCHASE PHILIPS ALTO GREEN 4' & 8' FLUORESCENT LAMPS. REPLACE OLD HAZARDOUS LAMPS WITH NON-HAZARDOUS LAMPS AS THEY BURN OUT.	TUSONIX INC.	200402	9
MERCURY	REDUCE WASTE WATER TREATMENT EXCEEDANCES FOR MERCURY	MERCURY(POLYMERCURIC ACID): STOP WASHING ALL OLD LATEX PAINTS AND WATER VARNISHES DOWN THE DRAIN; TEST HOSPITAL WASTE STREAM, ETC	U.S.A.F. - LUKE	200409	12
MERCURY	ELIMINATE MERCURY BATTERY USE.	ELIMINATE USE AND INVENTORY OF MERCURY BATTERIES.	U.S.A.F. - LUKE	200409	30
MERCURY	REDUCE DISPOSAL OF MERCURY CONTAINING FLUORESCENT LIGHT BULBS.	RECYCLE FLUORESCENT LIGHT BULBS THROUGH ONE-TIME COLLECTION CONTRACT. USE NEW NON-MERCURY FLUORESCENT LIGHT BULBS.	U.S.A.F. - LUKE	200409	36
MERCURY	REDUCE ELEMENTAL MERCURY WASTES BY THERMOMETER SUBSTITUTION	REPLACEMENT OF MERCURY THERMOMETERS WITH ALCOHOL UNITS	UNIVERSITY OF ARIZONA	200424	5
MERCURY	ELIMINATE 95% OF THE MERCURY FROM THE FACILITY.	IDENTIFY ALL MERCURY CONTAINING ITEMS THROUGHOUT THE FACILITY. SUBSTITUTE MERCURY ITEMS WITH AN APPROPRIATE AND REASONABLE REPLACEMENT.	UNIVERSITY MEDICAL CENTER	200422	6
MERCURY	REDUCE THE AMOUNT OF MERCURY FROM THE FACILITY BY 80%.	FIND AND PURCHASE ALTERNATIVE SUBSTITUTIONS.	UNIVERSITY MEDICAL CENTER	200422	7
MERCURY (THERMOMETERS)	REDUCE ELEMENTAL MERCURY WASTES BY THERMOMETER SUBSTITUTION	CONTINUE THERMOMETER REPLACEMENT PROGRAM FOR -20 TO 100C THERMOMETERS, DETERMINE FEASIBILITY OF EXPANDING REPLACEMENT PROGRAM TO INCLUDE THERMOMETERS >110C	UNIVERSITY OF ARIZONA	200424	9
MESITYLENE	REDUCE THE MESITYLENE EMISSIONS PER WAFER (2.6 ML/WAFER) FROM APPLICATION OF THE RESIN BY 10%.	OPTIMIZE THE TIME WHICH THE RESIN IS DISPENSED ON EACH WAFER BY REVIEWING DIFFERENT METHODS.	FLIP CHIP TECHNOLOGIES	200629	4
METAL WIRE	REDUCE/ELIMINATE THE DISPOSAL OF METAL WIRE.	EXPLORE METAL WIRE RECYCLING FIRMS. THIS WAS SUCESSFUL AND ALL MATERIAL IS 100% RECYCLABLE AND THERE IS NO WASTE. ALL MATERIAL IS PICKED UP BY AN OUTSIDE RECYCLING COMPANY.	COPPER STATE RUBBER OF ARIZONA	200557	16
METAL SLUDGE	OPTIMIZE THE VOLUME OF METAL SLUDGE PRODUCED DURING CHEMICAL PRECIPITATION.	REPLACED THE LIME WITH MAGNESIUM OXIDE.	EVERETT CHARLES TECHNOLOGIES STG	200131	6
METAL CHIPS	REDUCE THE FLAMMABLE SOLID WASTE STREAM BY 5%	SEGREGATE THE METAL CHIPS AND THE PLASTIC CHIPS FROM THE MODEL SHOP AND RECYCLE IF POSSIBLE.	IBM CORPORATION	200194	1
METAL MEDIC PH 0-2	REDUCE THE AMOUNT OF METAL MEDIC WASTE GENERATED IN THE IRONS PRODUCTION AREA.	*CONTROL CHEMICAL SUPPLY TO PREVENT EXCESS USAGE.	PING, INC	200208	10
METAL SURFACE PREP	ELIMINATE THE USE OF THINNERS, EPOXIES AND GUN WASH	INSTALL POWDER PAINTING SYSTEM	PROFESSIONAL CHEMICALS CORP	200538	2
METAL DEBRIS	RECYCLE METAL DEBRIS GENERATED ONSITE.	CONTACT LOCAL METAL RECYCLERS WITH TDS METAL WASTE STREAMS FOR RECYCLING AND ARRANGED FOR COLLECTION BINS AND PICK UP SCHEDULE	TALLEY DEFENSE SYSTEMS - PLT 4	200370	15
METALS	ELIMINATE METALS (COPPER, LEAD, ZINC) SENT OFFSITE TO LANDFILL BY REUSING/ RECYCLING MATERIALS THAT CANNOT BE REUSED/ RECYCLED ONSITE	FIND AND UTILIZE THE MOST APPROPRIATE MEANS FOR REUSING AND RECYCLING MATERIALS THAT CANNOT BE REUSED/RECYCLED ONSITE	AACCO CAST PRODUCTS, INC.	200526	3
METALS	RECYCLE METALS.	FILTER (CLEAN) AND REUSE THE OIL IN THE MACHINES. RESEARCH METAL RECYCLERS. THE RESULTING SLUDGE CAN BE SOLD FOR RECYCLE OF THE METALS CONTAINED IN IT.	GOODRICH TURBOMACHINERY PRODUCTS	200434	12
METALS HYDROXIDE	REDUCE METALS HYDROXIDE GENERATION AT THE WASTE-TREATMENT BY 40%	SEGREGATE THE FERRIC CHLORIDE DUMP FROM THE PLATING DUMP AND RINSE WATER AT THE WASTE TREATMENT.	HONEYWELL ENGINES AND SYSTEMS	200149	20
METALS - CHROMIUM, NICKEL, SILVER	AMENDMENT 1-CHEMICAL PROCESS RINSE WATER REDUCTION	FORM EMPLOYEE TEAM TO IMPLEMENT GOALS AND MONITOR PROGRESS. BRAINSTORM OPPORTUNITIES TO FURTHER REDUCE WASTEWATER	KACHINA AEROSPACE & SEMICONDUCTOR	200203	8

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
METALS	WELDING PROCESS: REDUCE NEW FLUX USAGE BY 25%. WELDING RODS USED CONTAIN METALS WHICH MAY INCLUDE: CHROMIUM, BARIUM, NICKEL, AND MANGANESE. NOTE: GOALS 2 THRU 5 HAVE BASELINES AND REDUCTIONS COMBINED AND WILL BE MEASURED HERE WITH THIS GOAL.	(1) FOR SUBMERGED ARC FLUX, SEPERATE AND RECYCLE THE FLUX MATERIAL FOR THIS WELDING PROCESS, (2) FOR SUBMERGED ARC FLUX, EDUCATE EMPLOYEES ON PROPER MANAGEMENT OF SEALED CONTAINERS AND LABELING AND MANAGEMENT OF ALL CONTAINERS.	PHELPS DODGE MINING, MORENCI BRANCH	200281	2
METALS	WELDING PROCESS: REDUCE EMISSIONS ASSOCIATED WITH THE AIR ARC 3/8 COPPER CLAD CARBON ARC GOUGING PROCESS BY 25%. METALS INCLUDE CHROMIUM, BARIUM, NICKEL AND MANGANESE.	FOR AIR ARC 3/8 COPPER CLAD CARBON ARC GOUGING, RENEWAL OF THE REPAIR PROCESS. TESTING OF NEW PRODUCTS WILL CONTNUE. TO DATE, NO SUITABLE REPLACEMENT HAS BEEN FOUND.	PHELPS DODGE MINING, MORENCI BRANCH	200281	3
METALS	WELDING PROCESS: TEST NEW PRODUCTS AND REPLACE WITH A CLEANER BURNING WIRE REDUCING EMISSIONS BY 10%. METALS INCLUDE CHROMIUM, BARIUM, NICKEL AND MANGANESE.	FOR S.M.A.W. ELECTRODES, REPLACE WITH CLEANER BURNING REDUCED EMISSIONS WIRE. CONTINUE TESTING NEW PRODUCTS WITH LOWER TOXIC CHEMICAL PERCENTAGES. INVENTOTY ALL CURRENT s.m.a.w. ELECTRODES AND SALVAGE ALL UNUSED RODS.	PHELPS DODGE MINING, MORENCI BRANCH	200281	4
METALS	WELDING PROCESS: REDUCE EMISSIONS BY 25% DUE TO REDUCED WELDING TIME.	FOR SHIELD BRITE EUTECTIC 308 STAINLESS LINCOLN L-71: (1) TEST NEW PRODUCTS, INCREASED WEAR LIFE ON LINER PLATES AND BAR SHOWS LESS WELDING TIME NEEDED FOR REPAIR, (2) TEST NEW PRODUCTS FOR LOWER EMISSIONS ON THE REPLACEMENT WELDING WIRES USED.	PHELPS DODGE MINING, MORENCI BRANCH	200281	5
METALS	OPTIMIZE UTILIZATION OF MATERIALS ALUMINUM, GALVANIZED AND STAINLESS STEEL (CHROMIUM, NICKEL, COPPER, MANGANESE) THROUGH THE NOTCHING AND PUNCHING SEQUENCE OF FABRICATION	PURCHASE AND INSTALLATION OF A LASER CUTTING SYSTEM WITH NESTING CAPABILITY	RANDELL MANUFACTURING OF AZ, INC.	200599	5
METH.CHLORIDE/PCE/M.C./..	REDUCE SOLVENT WASTES TO 44,000 LBS BY 1994	NITROGEN PURGE OF CHEMICAL FILL LINES AND SEGREGATION OF DIFFERENT CHEMICAL WASTES TO CREATE A SALABLE MIXTURE	UNIVAR USA, INC.	200426	2
METHANE	ELIMINATE FREON 113 USAGE FOR CIRCUIT BOARD DEFLUXING	PURCHASE AND INSTALL AN AQUEOUS, IN-LINE CIRCUIT BOARD WASHER; USE ORGANIC, BIODEGRADABLE, NON-ODS SAPONIFYING CLEANER	ACME ELECTRIC CORP. AEROSPACE DIVISION	200482	5
METHANE	REDUCE METHANE EMISSIONS	PARTICIPATE IN EPA STAR PROGRAM WITH HIGH FLOW MEASUREMENT. PERFORM METHANE EMISSION INVENTORIES FOR VALVES AND FLANGES. FIXED LEAKS	TRANSWESTERN PIPELINE CO-STA. 1 KINGMAN	200386	6
METHANOL	ELIMINATE EMISSIONS OF METHANOL IN PAINTING OPERATION.	REFORMULATE PAINT TO REMOVE METHANOL.	ADOT- SAFETY AND HEALTH SECTION	200009	26
METHANOL	REDUCE EMISSIONS OF METHANOL IN ROAD PAINTING OPERATION BY USING LESS PAINT.	1) USE PLASTIC REFLECTORS ON ROAD TO DELINEATE DELINEATE LINES INSTEAD OF USING PAINT, 2) INSERT DRY PIGMENT DIRECTLY INTO PAVEMENT WHEN PAVEMENT IS ORIGINALLY LAID.	ADOT- SAFETY AND HEALTH SECTION	200009	27
METHANOL	ELIMINATE METHANOL, HAZARDOUS AIR POLLUTANT, USED FOR CLEANING BY MECHANICAL TEST LAB.	REPLACE WITH A LESS HAZARDOUS OR NONHAZARDOUS CLEANER IN MECHANICAL TEST LAB AREA.	CYTECFIBERITE	200185	43
METHANOL	ELIMINATE FUGITIVE SOLVENT VAPORS (EXCESS MIX RESIN - MODIFIED NYLON/ EPOXY RESIN AND 70% ETHANOL) AT MIX VAT	INSTALL A CHILLED WATER LID ON RESIN MIX VAT TO PREVENT VAPORS	HEXCEL CORPORATION	200464	2
METHANOL	INSTALL UNDERGROUND STORAGE TANKS EQUIPPED WITH SECONDARY CONTAINMENT, SPILL AND OVERFILL PROTECTION, AND CORROSION PROTECTION	INSTALL STORAGE TANK WITH PROPER CONTAINMENT	HEXCEL CORPORATION	200464	23
METHANOL	REDUCE WASTE WATER EMISSIONS OF RESIST STRIPPER BY 25% AND INCREASE WATER RECYCLING BY 50%. INVESTIGATE FEASIBILITY OF: INSTALLING TREATMENT SYSTEM FOR RESIST STRIPPER; RECYCLING PROCESS WASTE WATERS. TEST ON SMALL SCALE. IMPLEMENT BEST ALTERNATIVE.	REDUCE SPENT RESIST STRIPPER BY INSTALLING ONSITE TREATMENT SYSTEM.	INNOVEX SOUTHWEST, INC.	200511	6
METHANOL	REPLACE SOLVENTS WITH AQUEOUS CLEANER.	IMPLEMENT FEASIBLITY STUDIES FOR USING AQUEOUS CLEANERS AS CLEANING OPTIONS IN PROCESS AREAS #1 AND #2 BY 7/31/99, HAVING REQUESTED CAPITAL EXPENDITURES BY 7/31/98.	LITTON ELECTRO - OPTICAL SYSTEMS	200218	13
METHANOL	REDUCE THE AMOUNT OF METHANOL USED IN MICRO CHANNEL PLATE (MCP) FABRICATION BY 50%, SUBSEQUENTLY REDUCING EMISSIONS AND HAZARDOUS WASTE GENERATION	SUBSTITUTE THE USE OF METHANOL WITH DE-IONIZED WATER, ISOPROPYL ALCOHOL, OR ACETONE; COVER CONTAINERS USED TO CLEAN MCP PARTS TO MINIMIZE SOLVENT EVAPORATION; SEGREGATE AND COLLECT SPENT METHANOL IN MCP PROCESS, AND REUSE ELSEWHERE DEPENDENT UPON LEVEL OF CONTAMINATION	LITTON ELECTRO - OPTICAL SYSTEMS	200218	19
METHANOL	CORIAN FABRICATION: MINIMIZE USE OF DENATURED ALCOHOL. DENATURED ALCOHOL IS USED TO CLEAN CORIAN SURFACES BEFORE AND AFTER JOINT ADHESIVE IS APPLIED. IT CONTAINS METHANOL AND METHYL ISOBUTYL KETONE WHICH MAKE UP 17.5% OF ITS CONTENTS.	1. USE WIPES PRESATURATED IN ALCOHOL IN CONTAINER DESIGNED FOR MINIMAL EVAPORATION.	MESA FULLY FORMED	200241	13
METHANOL	CORIAN FABRICATION: REDUCE WASTE OF CORIAN BULK JOINT ADHESIVE.	1. PROVIDE APPROPRIATE TRAINING TO USERS OF BULK JOINT ADHESIVE. 2. LOWER AIR PRESSSURE OF PNEUMATIC GUN. 3. GLUE MORE TOPS AT THE SAME TIME BECAUSE INITIAL PURGING WASTES AND EXPOSES MORE UNUSED GLUE; IT ALSO SAVES ON MIXER CUPS.	MESA FULLY FORMED	200241	14

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
METHANOL	LAMINATE FINISH FABRICATION: REDUCE OR REPLACE USE OF LOKWELD 800-801 ADHESIVE. (THIS IS USED TO BOND LAMINATED PLASTIC ENDCAPS BACKSPLASH CAPS AND BEVEL EDGES TO PARTICLEBOARD. THE ADHESIVE IS APPLIED WITH A SPRAY GUN. CONTAINS 13% TOLUENE.)	1. PROVIDE APPROPRIATE TRAINING TO USERS OF LOKWELD 800-801 ADHESIVE ON HOW TO USE AND SET SPRAY GUNS FOR PROPER OUTPUT. 2. RESET SPRAY GUNS WEEKLY; CLEAN MORE FREQUENTLY. 3. REPLACE LOCKWELD 800-801 ADHESIVE WITH A GLUE CONTAINING NO TOLUENE.	MESA FULLY FORMED	200241	16
METHANOL	PROCESS AREA #1: ION EXCHANGE FILTER COLUMN CLEANING- REDUCE AND/ OR ELIMINATE METHANOL USED TO CLEAN AN ION EXCHANGE COLUMN THAT FILTERS HYDROGEN PEROXIDE TO INCREASE ITS PURITY.	RE-ENGINEER THE PROCESS TO REDUCE OR ELIMINATE THE NEED FOR METHANOL USE AND USE STEAM INSTEAD FOLLOWED BY A DI WATER RINSE.	MGC PURE CHEMICALS AMERICA, INC.	200688	1
METHANOL	ELIMINATE THE USE OF METHYL ALCOHOL FOR SOLDER FLUX REMOVAL, SURFACE CLEANING, DEWETTING AND DRYING	REPLACE METHYL ALCOHOL WITH AN AQUEOUS CLEANING SYSTEM (OAKITE 3800); SUBSTITUTE DEIONIZED WATER FOR CLEANING EQUIPMENT AND WORK STATIONS	MICROSEMI CORP.	200246	4
METHANOL	8.04 SPENT HALOGENATED SOLVENTS: REDUCE THE AMOUNT OF HALOGENATED SOLVENTS PURCHASED AND DISPOSED	IDENTIFY POTENTIAL VENDORS OR USERS FOR RECYCLING AND REUSE OF THE SPENT HALOGENATED SOLVENTS RATHER THAN ENERGY RECOVERY DISPOSAL	MOTOROLA - CHANDLER	200254	4
METHANOL	8.07 CHEMICAL REDUCTION AND WASTE WATER: 1) FAB PROCESSS - FIND A SUBSTITUTE FOR METHANOL, 2) CLEANS PROCESS - REDUCE WATER CONSUMPTION	1) SUBSTITUTION OF IPA FOR METHANOL WAS SUCCESSFUL, 2) REDUCE BATH FLOW RATES WITH NON-ADJUSTIBLE VALVE, REDUCE PREFLOW TIMES AND ADD OZONATED WATER TO PREVENT BACTERIA, INCREASE BATH DESIGN, RINSE FLOW RATE, TEMP, ETC.	MOTOROLA - CHANDLER	200254	7B
METHANOL (RAGS,FILTERS..)	REDUCE TOTAL PLANT GENERATED HAZARDOUS WASTE BY 50%	REVIEW OPERATING PRACTICES; SEGREGATE WASTES OF FILTER CARTIRDGE; REPLACE OVERALLS WITH REUSABLE COVERALLS; FIND OUTLETS FOR OFF-SPEC	OLIN SPECIALITY PRODUCTS-CHANDLER	200271	1
METHANOL	REDUCE OR REPLACE METHANOL, ACETONE, AND IPA (BASELINE QUANTITY FOR ALL THREE CHEMICALS)	EVALUATE EFFECTIVE LIFE OF SOLVENT CLEANING BATHS, REVISE PROCEDURES ON NUMBER OF TIMES A BATH MAY BE REUSED; EVALUATE REPLACEMENT SOLVENTS	OPTO POWER CORPORATION	200723	1
METHANOL	STREET TRANSPORTATION SIGNING & STRIPING SHOP: OUR GOAL IS TO PERIODICALLY REVIEW AND RESEARCH FOR ACCEPTABLE ALTERNATIVE PAINT FORMULATIONS AVAILABLE FOR THE APPLICATION OF TRAFFIC STRIPING	LOOK FOR ALTERNATIVES	PHOENIX, CITY OF-STREET TRANS.	200290	1
METHANOL	REDUCE THE USE OF HAZARDOUS INKS FOR BOTTLE AND PACKET CODING BY EXPLORING OPPORTUNITIES. (1999 REDUCTION WAS 806 LBS: 2000 REDUCTION 623 LBS.)	INVESTIGATE POSSIBLE USE OF WATER-BASED INKS OR DIFFERENT METHODS FOR PACKET AND BOTTLE CODING.	PROCTER & GAMBLE MFG	200302	6
METHANOL	VOC REDUCTION PROJECTS: REDUCE METHANOL USAGE BY 75% AND ELIMINATE XYLENE USE	REVIEW METHANOL PROCESSES FOR SOURCE REDUCTION OPPORTUNITIES. FIND AND IMPLEMENT AN ALTERNATIVE FOR XYLENE	RAYTHEON COMPANY USAF PLANT 44	200184	18
METHANOL	REDUCE THE AMOUNT OF SOLVENT USAGE THROUGH MODIFYING TEST METHODS, PURCHASING MORE EFFICIENT APPARATUS, ELIMINATING PARTICULAR TESTS WHEN PRODUCTS WITHIN SPECIFICATIONS.	THROUGH PURCHASING MORE EFFICIENT LABORATORY TEST EQUIPMENT, MODIFYING TEST PROCEDURES, AND ELIMINATING SPECIFIED TESTS.	REVLON CONSUMER PRODUCTS CORP.	200315	4
METHANOL, PCE, TCE, MEK	REDUCE SOLVENT REPACK - HOSE FLUSH WASTES BY 7% PER YEAR	REVISE PROCEDURES FOR USE OF NITROGEN TO FLUSH HOSES, (ACETONE, ETHYLENE GLYCOL, GLYCOL ETHERS, METHANOL, PCE, TCE, MEK, METHYLENE CHLORIDE, TOLUENE, XYLENE, TCA) WRITTEN OPERATING PROCEDURES FOR RINSING AND REPACKAGING.	UNIVAR USA, INC.	200426	7
METHANOL	MATERIAL TREATMENT: REDUCE METHANOL USED AS SOLVENT, METHANOL EMISSIONS AND THE GENERATION OF METHANOL HAZARDOUS WASTE.	CHILL THE SOLVENT SOLUTION RESULTING IN REDUCED RAW MATERIAL USAGE, EMISSIONS AND GENERATION OF LIQUID SOLVENT WASTE.	W. L. GORE & ASSOC.-(KILTY LANE)	200430	1
METHANOL	A METAL FINISHING USES METHANOL, SULFURIC ACID, ACETONE AND ISOPROPAL ALCOHOL IN A CLOSED SYSTEM: REDUCE THE IN-PROCESS METHANOL CONSUMPTION.	REDUCE IN-PROCESS METHANOL SOLUTION CONSUMPTION.	W. L. GORE & ASSOC.-(KILTY LANE)	200430	2
METHANOL	POLYMER PROCESSING PRODUCES METHANOL AIR EMISSIONS AND METHANOL/NITRIC ACID LIQUID WASTE: ELIMINATE METHANOL FROM PROCESS STEPS.	EXPLORE FEASIBILITY OF REMOVING METHANOL FROM ONE STEP OF PROCESS.	W. L. GORE & ASSOC.-(KILTY LANE)	200430	3
METHANOL	A METAL FINISHING USES METHANOL, SULFURIC ACID, ACETONE AND ISOPROPAL ALCHOL IN A CLOSED LOOP SYSTEM: FURTHER REDUCE THE IN PROCESS METHANOL CONSUMPTION.	REDUCE IN-PROCESS METHANOL CONSUMPTION	W. L. GORE & ASSOC.-(KILTY LANE)	200430	4
METHANOL	POLYMER PROCESSING PRODUCES METHANOL AIR EMISSIONS AND METHANOL/NITRIC ACID LIQUID WASTE: ELIMINATE A PROCESS STEP	EXPLORE FEASIBILITY OF REMOVING ONE STEP OF PROCESS.	W. L. GORE & ASSOC.-(KILTY LANE)	200430	5
METHANOL	REDUCE USAGE OF TOXIC CHEMICALS IN STAINS, SEALERS AND LACQUERS.	SUBSTITUTE NON TOXIC CHEMICALS FOR TOLUENE, XYLENE, 1,1,1 TRICHLOROETHANE, METHANOL, METHYL ETHYL KETONE AND GLYCOL ETHERS.	WOODSTUFF MANUFACTURING-43RD AVE	200459	1

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
METHANOL	REDUCE METHANOL BY 20% AND ACETONE BY 20 % IF NOT DELISTED WHICH IS USED IN STAINS.	REFORMULATE STAIN AND WASHCOAT FORMULATIONS TO REDUCE USAGE AND EMISSIONS.	WOODSTUFF MANUFACTURING-43RD AVE	200459	5
METHANOL	REDUCE THE USE OF METHANOL IN DYE STAINS BY 25%.	REFORMULATE WITH LESS HAZARDOUS MATERIAL	WOODSTUFF MANUFACTURING-43RD AVE	200459	6
METHOXYPROPANOL	REDUCE THE AMOUNT OF VARIOUS CHEMCIALS DISPOSED OF AND INCREASE RECYCLING OPPORTUNITIES	ANNUALLY REVIEW ALL WASTE STREAMS WITH DISPOSAL AND RECYCLING CONTRACTORS TO DETERMINE BEST AVAILABLE WASTE MANAGEMENT PRACTICES	NELTEC, INC.	200491	6
METHOXYPROPANOL	REDUCE FUGITIVE EMISSIONS BY REDUCING OVERALL SOLVENT CONSUMPTION.	SUBSTITUTE SOLVENTS WITH SIMILAR SOLUBILITY AND DISSIMILAR EVAPORATIVE PROPERTIES WITH LESS TOXIC SUBSTANCES; REDESIGN SYSTEM AND INSTALL A VISCOSITY SYSTEM; MAKE ALTERATIONS TO THE PROCESS AIR.	NELTEC, INC.	200491	8
METHYL ETHYL KETONE	ELIMINATE THE USE OF MEK FOR WIPING DOWN PARTS PRIOR TO PAINTING THEM TO REDUCE WASTE AND VOC EMISSIONS.	REPLACE MEK IN ALL AREAS OF THE FACILITY EXCEPT FOR PAINT PREP AND PAINT CLEAN UP WITH A COMMON HOUSEHOLD CLEANER "FANTASTIC"; USE IPG METAL CLEANER IN PREWELD CLEANING OPERATIONS;TESTING OTHER ALTERNATIVES IN OTHER AREAS.	ABRAMS AIRBORNE MFG	200003	2
METHYL ETHYL KETONE	REDUCE THE AMOUNT OF HAZARDOUS WASTE GENERATED BY EVALUATING THE FEASIBILITY OF ATTAINING CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR STATUS.	FIND A SUITABLE SUBSTITUTE FOR MEK AND INVESTIGATE THE ADVANTAGES OF A CLOSED LOOP WATER SYSTEM.	ABRAMS AIRBORNE MFG	200003	3
METHYL ETHYL KETONE	REDUCE THE AMOUNT OF EXPIRED SHELF LIFE CHEMICALS/ PRODUCTS SENT FOR WASTE DISPOSAL.	CONTACT SUPPLIERS TO RAISE SHELF LIFE TIME OR TO ALLOW PURCHASE OF SMALLER QUANTITIES; SEND AN ANNUAL QUESTIONNAIRE TO SUPPLIERS FOR THEIR SUPPORT.	ABRAMS AIRBORNE MFG	200003	5
METHYL ETHYL KETONE	REDUCE MEK EMISSIONS PRODUCED FROM SPRAY PAINTING (WITH MEK PAINT) THE TUBE ENDS.	EVALUATE REPLACING MEK BASE PAINT WITH LOW VOC AND WATER BASED SPRAY PAINT	ALLIED TUBE AND CONDUIT	200032	10
METHYL ALCOHOL/METHYLEN C	REDUCE SOLVENT WASTE FROM THE EXTRACTION OF SPONGIA SPECIES	DEVELOP ALTERNATIVE METHODOLOGIES AND PROCEDURES TO REDUCE WASTE	ARIZONA STATE UNIVERSITY-RISK MGMT.	200064	2
METHYL ETHYL KETONE	CAPTURE METHYL ETHYL KETONE FROM PAINTING TO REDUCE EMISSIONS AND RECOVER FOR REUSE TO CLEAN PAINT GUNS, HOSES AND EQUIPMENT	INSTALL A SOLVENT RECOVERY MACHINE. **DROPPED*** (SEE 4)	AVIATION MANAGEMENT SYSTEMS, INC.	200130	1
METHYL ETHYL KETONE	REDUCE THE USE OF METHYL ETHYL KETONE (MEK) BY 100%.	SUBSTITUTE WITH ACETONE WHENEVER FEASIBLE	AVIATION MANAGEMENT SYSTEMS, INC.	200130	4
METHYL ETHYL KETONE	REDUCE/ ELIMINATE THE OFFSITE SHIPMENT OF MEK BY RECYCLING MEK ON-SITE.	PURCHASE A SOLVENT DISTILLATION UNIT	AZ DEPT OF EMERGENCY MILITARY AFFAIRS	200058	4
METHYL ETHYL KETONE	ELIMINATE USE OF METHYL ETHYL KETONE BASED PVC INKS USED FOR MARKINGS ON PVC INSULATED WIRE AND MEK USED AS A CLEANER.	DEVELOPED A WATER/IPA BASED INK WITH HELP FROM TONCEE INC .OF SMYRNA, GA.; INSTALL A SYSTEM TO RECOVER WATER FROM THE INKS.	BELDEN COMMUNICATIONS DIVISION	200052	1
METHYL ETHYL KETONE	REDUCE THE QUANTITY OF METHYL ETHYL KETONE USED FOR PIPE CLEANING BY 10%	EVALUATE ALTERNATIVE MATERIALS; INVESTIGATE ALTERNATIVE CLEANING PROCESSES.	BLACK MESA PIPELINE	200575	1
METHYL ETHYL KETONE	REDUCE THE AMOUNT OF METHYL ETHYL KETONE USED FOR PARTS WASHING.	EVALUATE ALTERNATIVE CLEANERS; INVESTIGATE IMPROVED CLEANING METHODS.	BLACK MESA PIPELINE	200575	2
METHYL ETHYL KETONE	REDUCE MEK EMISSIONS CREATED DURING THE PAINT GUN AND MASK CLEANING PROCESS BY 40%	REPLACE AN EXISTING AQUEOUS MASK WASHER WITH A LARGER CAPACITY AQUEOUS WASHER. INSTALL SMALLER WASHER IN EXISTING PRODUCTION AREA TO REDUCE THE USE OF MEK THERE.	BLAZER INTERNATIONAL (BISBEE, AZ)	200588	1
METHYL ETHYL KETONE	REDUCE USAGE OF T2 IN TAPE CASTING AREA BY 3000 POUNDS	CHANGE GRINDING MEDIA, ADD HUMIDITY CONTROL INSIDE FURNACE, BETTER KILN "FURNITURE"; BETTER PROCESS CONTROL; EVALUATE DESIGN OF TWO OR THREE COMPONENT SOLVENT MATRIX.	BRUSH CERAMIC PRODUCTS	200075	1
METHYL ETHYL KETONE & INK	REDUCE HAZARDOUS WASTE GENERATED FROM VIDEO JET INK **GOAL DROPPED **	DETERMINE FEASIBILITY OF NON-HAZARDOUS INKS	COCA-COLA BOTTLING CO.-TEMPE	200101	2
METHYL ETHYL KETONE	8.2.9 #1: ELIMINATE MEK USE IN CIRCUIT BOARD SCREENING AND CLEANING AND REDUCE RESULTANT HAZARDOUS AIR POLLUTANT (HAP) EMISSIONS. GOAL BY SUBSTITUTING PROPYLENE GLYCOL (A LOWER VOC NON-HAPS PRODUCT USED IN BUILDINGS A,B FOR MEK.	PROCESS MODIFICATION: SUBSTITUTE SS200 (A PROPYLENE GLYCOL ETHER PRODUCT (LESS THAN 30%) FOR MEK. PROPYLENE GLYCOL ETHERS CONTRIBUTE VOC'S BUT ARE NOT HAPS	CONTINENTIAL CIRCUITS	200105	11
METHYL ETHYL KETONE	ELIMINATE MEK, HAZARDOUS AIR POLLUTANT, USED FOR CLEANING	REPLACE WITH A LESS HAZARDOUS OR NON HAZARDOUS CLEANER.	CYTECFIBERITE	200185	45
METHYL ETHYL KETONE	REDUCE USE OF MEK IN THE MAINTENANCE OPERATIONS AND NON-PRESCRIBED AREAS.	USE A LESS TOXIC, NON-VOC SOLVENT. REPLACE WITH EJC WHICH CONSISTS OF ETHYL ACETATE (80%) METHYL PROPYL KETONE (19%) AND METHYL ISOBUTYL KETONE (1%).	EVERGREEN AIR CENTER. INC	200138	2

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
METHYL ETHYL KETONE	REDUCE WASTE SOLVENT GENERATION 25% FROM THE 1992 LEVEL OF 37 DRUMS PER YEAR TO BELOW 28 DRUMS PER YEAR	(1)REDUCE QUANTITY OF PRIMER PREPARED BY 2/1993 (2) REUSE BRUSH CLEANING SOLVENT LONGER BY MARCH 1993 (3) CLEAN BRUSHES LESS FREQUENTLY BY APRIL 1993 (4) USE NON-VOC BRUSH CLEANING SOLVENT BY JUNE 1994 (5) ELIMINATE PRIMER USE BY DECEMBER 1994	GOODRICH-AIRCRAFT EVACUATION SYSTEMS	200073	1
METHYL ETHYL KETONE	REDUCE THE TOTAL NUMBER OF UNIT TRANSFERS PER DAY BY 5% EACH YEAR FOR THE NEXT 5 YEARS (INCLUDING NON-VALUE ADDED CHEMICAL SHIPMENTS TO OFFSITE FACILITIES) IN SLIDE PRODUCTION, PAINTING & SHIPPING.	1) IDENTIFY OPPORTUNITIES TO ENABLE CHEMICAL VENDORS TO PROVIDE SHIPMENTS TO AES SERVICE CENTER NETWORKS & CUSTOMERS RATHER THAN PHOENIX AES REPACKAGING AND SHIPPING THEM. 2) IDENTIFY OPPORTUNITIES TO PURCHASE & STORE CHEMICALS IN BULK CONTAINERS (TOTES). PROVIDE PERMITS & ASSEMBLE QUOTES FOR BULK STORAGE. 3) EXPLORE POINT OF USE TYPE AUTOMATIC DISPENSING EQUIPMENT FOR GLUE MIXING. 4) EXPLORE CHEMICAL MIXING & DISTRIBUTION WITHIN INDIVIDUAL CELLS.	GOODRICH-AIRCRAFT EVACUATION SYSTEMS	200073	15
METHYL ETHYL KETONE	REDUCE AIR EMISSIONS TO LESS THAN 25 TONS/YEAR FOR TOTAL HAZARDOUS AIR POLLUTANTS (HAPS) AND 10 TONS/YEAR FOR ANY HAP.	1. COVER ADHESIVE CONTAINERS 2. COVER BRUSH CLEAN SOLVENT CONTAINERS 3. COVER RAGS 4. ELIMINATE FINAL CLEAN PROCESS	GOODRICH-AIRCRAFT EVACUATION SYSTEMS	200073	4
METHYL ETHYL KETONE	REDUCE COMBINED QUANTITY OF WASTE RAGS GENERATED BY 5% COMPARED TO 1994	SET AND POST GOAL THROUGHOUT FACILITY. KEEP RAGS COVERED TO PREVENT DRYING OUT.	GOODRICH-AIRCRAFT EVACUATION SYSTEMS	200073	7
METHYL ETHYL KETONE	REDUCE TOLUENE, ACETONE, MEK AND HEXANE AIR EMISSIONS BY 5% PER YEAR COMPARED TO 1994 PRODUCTION LEVELS	DEVELOP WATER BASED ADHESIVE, UTILIZE NEW URETHANE LESS ADHESIVE. UTILIZE WATER-BASED RHR PAINT 7, UTILIZE FABRICDS (REQUIRE LESS CLEANING)	GOODRICH-AIRCRAFT EVACUATION SYSTEMS	200073	8
METHYL BROMIDE EMISSIONS	REDUCE METHYL BROMIDE EMISSIONS TO 15% OF THE 1991 BASELINE LEVELS	ADD A CHILLER UNIT THROUGH WHICH THE NITROGEN/MeBr MIXTURE REMAINING IN EMPTY CONTAINERS IS VENTED AS THEY ARE BEING REFILLED	GOWAN CO.	200164	1
METHYL METHACRYLATE	REDUCE METHYL METHACRYLATE EMISSIONS.	REDUCE THE AMOUNT OF MATRIX MATERIALS USED IN THE POURING PROCESS, THUS REDUCING THE AMOUNT OF METHYL METHACRYLATE EMISSIONS BY IMPROVING OPERATOR TRAINING.	HARTSON KENNEDY CABINET TOP COMPANY	200708	2
METHYL ETHYL KETONE	PAINTING AREA: REDUCE MEK (VOC EMISSIONS) IN PAINT PRODUCTS BY 20%.	REDUCE THE AMOUNT OF PAINT USED THEREBY REDUCTING MEK VOC EMISSIONS.	HEIL ENVIRONMENTAL INDUSTRIES LTD.	200530	5
METHYL ETHYL KETONE	REDUCE THE USE OF MEK AS A CLEANUP SOLVENT IN THE ROLL COATING AREA.	IDENTIFY AREAS FOR SOURCE REDUCTION OF MEK.	HEXCEL CORPORATION	200464	10
METHYL ETHYL KETONE	DECREASE THE PERCENTAGE OF MEK IN HP382 ADHESIVE FOR LAY UP. (CORRUGATOR) **DROPPED**	DETERMINE COST IMPACT AND IF CHANGES WILL MEET SPECS, IMPLEMENT IF SUCCESSFUL	HEXCEL CORPORATION	200464	11
METHYL ETHYL KETONE	REDUCE THE NUMBER OF SOLVENT CONTAINERS FOUND THROUGHOUT THE PLANT (ACETONE AND MEK).	IDENTIFY CONTAINERS AND PURPOSE, IDENTIFY SAFE AREA FOR CONTAINERS, DEVELOP PROCEDURE FOR CONTAINERS, SUBSTITUTE FOR HAP & VOC'S	HEXCEL CORPORATION	200464	12
METHYL ETHYL KETONE	PROVIDE CONTAINMENT AREAS IN ADHESIVE MIX STORAGE OF LIQUID HAZARDOUS MATERIALS. ACTION PLAN: 1) DETERMINE CONTAINMENT REQUIREMENTS 2) REVIEW ALTERNATIVES, COST CONFIRMATION.	PROVIDE IMPROVED CONTAINMENT FOR SPILL AND LEAK PREVENTION	HEXCEL CORPORATION	200464	21
METHYL ETHYL KETONE	CONTAINMENT AROUND BALL MILL ADHESIVE MIXER ACTION PLAN: 1) DETERMINE CONTAINMENT REQUIREMENTS 2) REVIEW ALTERNATIVES, COST COMPARISON 3) PURCHASE AND INSTALL BEST ALTERNATIVE.	CONTAINMENT FOR SPILL AND LEAK PROTECTION	HEXCEL CORPORATION	200464	22
METHYL ETHYL KETONE	INSTALL UNDERGROUND STORAGE TANKS EQUIPPED WITH SECONDARY CONTAINMENT, SPILL AND OVERFILL PROTECTION, AND CORROSION PROTECTION	INSTALL STORAGE TANK WITH PROPER CONTAINMENT	HEXCEL CORPORATION	200464	23
METHYL ETHYL KETONE	ELIMINATE MEK EMISSIONS AND HAZWASTE GENERATION FROM THE UD TAPELINE AND BOND ROOM	SUBSTITUTE A LESS HAZARDOUS AND/OR LESS TOXIC SOLVENT FOR MEK IN THE UD RESIN	HEXCEL CORPORATION	200464	26
METHYL ETHYL KETONE	ELIMINATE MEK AIR EMISSIONS AND HAZWASTE GENERATION FROM THE NEW PANEL FABRICATION PROCESS	SUBSTITUTE A LESS HAZARDOUS AND/OR LESS TOXIC CLEANING AGENT FOR MEK AT THE ROLL COATER. 6/01 - ESTIMATED REDUCTION. SOLVENT SUBSTITUTION EFFORTS WERE SUCCESSFUL. MEK WAS REPLACED WITH GAMMA-BUTYROLACTONE, A SOLVENT THAT IS SIGNIFICANTLY LESS FLAMMABLE, NOT A RCRA HAZARDOUS WASTE, AND IS SAFER FOR THE EMPLOYEES TO USE.	HEXCEL CORPORATION	200464	27
METHYL ETHYL KETONE	REDUCE THE AIR EMISSIONS OF MEK FROM THE ROLL COATER BY 90%	IF SOLVENT SUBSTITUTION EFFORTS PROVE UNSUCCESSFUL (GOAL #27), INSTALL EMISSION CONTROL DEVICE ON PANEL FABRICATION ROLL COATER TO REDUCE MEK EMISSION BY 90%	HEXCEL CORPORATION	200464	28
METHYL ETHYL KETONE	SMALLER BATCHES OF MIX AND TOWER REDUCTIONS: REDUCE AMOUNT OF UNUSED RESINS AND ADHESIVES TO GENERATE LESS WASTE	MAKE SMALLER QUANTITIES (ETHANOL AND EPOXY), REUSE SOLVENTS (MEK), SUBSTITUTE ACETONE FOR MEK, BALANCE OVENS TO AID OXIDIZER	HEXCEL CORPORATION	200464	3

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
METHYL ETHYL KETONE	REDUCE MEK USE IN SPRAY GUNS AND EQUIPMENT CLEANING IN PRODUCTION PAINT SHOP BY 75%.	REPLACE MEK WITH A NON ODC OR LOW VOC CONTENT MATERIAL FOR CLEANING SPRAY GUNS AND EQUIPMENT AND COVER MEK TANK LIP WHEN NOT IN USE.	HONEYWELL ENGINES AND SYSTEMS	200149	19
METHYL ETHYL KETONE	(GOAL FOR 200145) REPLACE MEK FOR CLEANING MAGNESIUM/ TITANIUM PARTS 1) RESEARCH ALTERNATIVE CLEANING METHODS, 2) TEST DIFFERENT CLEANERS, 3) EQUIPMENT MODIFICATION, 4) IMPLEMENTATION, 5) REVIEW EFFECTIVENESS OF PLAN.	1) USE ACETONE TO REPLACE MEK TO CLEAN MAGNESIUM/ TITANIUM PARTS, 2) USE ALKALINE CLEANERS TO REPLACE MEK TO CLEAN MAGNESIUM/ TITANIUM PARTS	HONEYWELL ENGINES (FORMERLY ALLIEDSIGNAL ENGINES)	200144	8
METHYL ISOBUTYL KETONE	REDUCE VOC AIR EMISSIONS.	DETERMINE WHICH PROCESS PARAMETER CHANGES CAN IMPROVE AVERAGE CONTROL EFFICIENCY OF ABSORBER: COMPLETE SRP INSTRUMENTATION PROJECT, EXPERIMENT WITH STEAM USAGE AND CONTROL EFFICIENCY AT VARIOUS SWITCH POINTS, DETERMINE EQUIPMENT OR CARBON ISSUES, OPTIMIZE ADSORBER OPERATING PARAMETERS.	IMATION CORPORATION	200001	10
METHYL ISOBUTYL KETONE	REDUCE THE NUMBER OF INK CONTAMINATED FILTERS.	REDUCE THE NUMBER OF FILTER COAT STATIONS IN THE MIXROOM; FEASIBILITY RUNS; QUALIFICATION RUNS AND; INSTALLATION.	IMATION CORPORATION	200001	7
METHYL ETHYL KETONE	ELIMINATE THE USE OF MEK.	REPLACE MEK WITH AN ALTERNATIVE PROCESS STEP OR A LESS VOLITILE CHEMISTRY.	INNOVEX SOUTHWEST, INC.	200511	7
METHYL ETHYL KETONE	REDUCE MEK USED IN EQUIPMENT CLEANUP BY 80% IN CHAIN ON EDGE PAINTING LINES AND SHIELDING.	SWITCH FROM MEK TO ACETONE FOR EQUIPMENT, BOOTH AND OVEN CLEANUPS. RECYCLE THE ACETONE USING THE BATCH DISTILLATION UNIT.	ITI FINISHING	200728	1
METHYL ETHYL KETONE	REDUCE TOTAL HAZARDOUS CHEMICALS USED BY 70% BY 12/31/95: MEK (OBJ.4) **GOAL DROPPED**	OBTAIN SAMPLES OF AQUEOUS CLEANERS FOR USE IN PLACE OF MEK AND INVESTIGATE THEIR EFFECTIVENESS BY AUGUST 1993.	KACHINA AEROSPACE & SEMICONDUCTOR	200203	2
METHYL ETHYL KETONE	REDUCE THE AMOUNT OF MEK SOLVENT PURCHASED FOR CLEANING SPRAY EQUIPMENT **GOAL DROPPED**	USE RECYCLENE R-2 TO DISTILL AND RECYCLE MEK USED FOR CLEANING SPRAY EQUIPMENT BY 6/93 ** GOAL DROPPED **	KACHINA AEROSPACE & SEMICONDUCTOR	200203	7
METHYL ETHYL KETONE	REDUCE THE PERCENTAGE OF REPAINTS.	TRAIN PAINTERS IN PAINTING OPERATIONS SO LESS PERCENTAGE OF REPAINTING IN REQUIRED.	LEARJET, INC.	200457	9
METHYL ETHYL KETONE, IPA	REDUCE QUANTITIES OF HAZARDOUS AND/OR FLAMMABLE SOLVENTS (SUCH AS TCA, MEK, NAPTHA, & IPA) USED FOR PARTS WIPE CLEANING	RESEARCH/EVALUATE NEW PRODUCTS FOR SUBSTITUTION, IMPROVE INVENTORY CONTROL SO SHELF LIFE IS NOT EXCEEDED. REPLACE NAPHTHA WITH AQUEOUS CLEANERS (MIRACHEM 100 & 500)	LOCKHEED AEROMOD AIRCRAFT CENTERS	200219	1
METHYL ETHYL KETONE	REDUCE THE AMOUNT OF TOP COATINGS USED PER UNIT	RESEARCH PERMITS AND ENGINEERING NECESSARY TO CONVERT TO HANGING PAINT LINE, AND VISIT SISTER COMPANY THAT HAS ALREADY IMPLEMENTED.	MASTERCRAFT CABINETS, INC.	200229	3
METHYL ETHYL KETONE	REDUCE THE USE OF TOLUENE AS A SOLVENT IN THE FINISH STAINS. ****GOAL DROPPED, INACTIVE FACILITY****	TEST A NON-VOC SUBSTITUTE; REFORMULATE COLORS TO NON-VOC SUBSTITUTE; PURCHASE AND INSTALL EQUIPMENT.	MCCARTHY CABINET CO.	200233	1
METHYL ETHYL KETONE	REDUCE AIR EMISSIONS FROM SOLVENTS IN THE NEGATIVE RESIST PROCESSING AREAS.	INSTALL A CARBON ADSORPTION SYSTEM TO TREAT SOLVENT CONTAINING EXHAUST.	MOTOROLA - MESA	200255	3
METHYL ETHYL KETONE	REDUCE AIR EMISSIONS BY 60% AND HAZARDOUS WASTE BY 50% IN THE FINISHING DEPARTMENT.	SUBSTITUTE WATER BASED COATINGS.	MULAY PLASTICS, INC. (CASA GRANDE)	200260	1
METHYL ETHYL KETONE	REDUCE SPENT SOLVENT GENERATED FROM THE CLEANING OPERATION.	RESCHEDULE TREATER RUNS TO MINIMIZE THE NUMBER OF WEEKLY RESIN CHANGEOUT CLEANINGS.	NELCO TECHNOLOGY, INC.	200265	29
METHYL ETHYL KETONE	REDUCE THE AMOUNT OF WASTE RESIN AND SOLVENTS (MEK AND ACETONE)	SELL THE "OFF SPEC" MATERIALS TO SECONDARY USERS.	NELTEC, INC.	200491	10
METHYL ETHYL KETONE	REDUCE SPENT SOLVENT GENERATED FROM THE CLEANING OPERATION.	RESCHEDULE TREATER RUNS TO MINIMIZE THE NUMBER OF WEEKLY RESIN CHANGEOUT CLEANINGS.	NELTEC, INC.	200491	11
METHYL ETHYL KETONE	REDUCE COPPER AND METHYL ETHYL KETONE CONTAMINATED STORM WATER	REDUCTION WILL BE ACHIEVED BY PREVENTING SPILLS OF COPPER AND METHYL ETHYL KETONE FROM OUTDOOR SCRAP BINS ONTO THE PAVEMENT. THE PREVENTION WILL BE ACCOMPLISHED BY REDESIGNING SCRAP MANAGEMENT AREA TO ALLOW FOR EASIER CLEANING AND BY IMPROVING OPERATOR TRAINING SO THAT LESS MATERIAL IS SPILLED ON THE PAVEMENT.	NELTEC, INC.	200491	13
METHYL ETHYL KETONE	REDUCE THE EVAPORATION OF SOLVENT FROM DRUMS.	TRAIN OPERATORS ON THE IMPORTANCE OF KEEPING DRUMS CLOSED. THIS WILL MINIMIZE THE EVAPORATION OF SOLVENTS.	NELTEC, INC.	200491	14
METHYL ETHYL KETONE	REDUCE THE RETRAINED SOLVENT (MEK) LEVEL IN THE PRODUCT WHICH ALSO REDUCES FUGITIVE EMISSIONS FROM PRESS OPERATIONS	IMPROVE EQUIPMENT DESIGN TO REQUIRE OPERATION SETUP SPECIFICATIONS TO NEW PARAMETERS	NELTEC, INC.	200491	4
METHYL ETHYL KETONE	REDUCE THE SOLVENT (MEK) REQUIREMENTS IN PRODUCT MANUFACTURING	IMPROVE THERMAL CONTROL AND PROCESS MODIFICATION DEVELOPED THROUGH THE ENGINEERING GROUP	NELTEC, INC.	200491	5

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
METHYL ETHYL KETONE	REDUCE THE AMOUNT OF VARIOUS CHEMCIALS DISPOSED OF AND INCREASE RECYCLING OPPORTUNITIES	ANNUALLY REVIEW ALL WASTE STREAMS WITH DISPOSAL AND RECYCLING CONTRACTORS TO DETERMINE BEST AVAILABLE WASTE MANAGEMENT PRACTICES	NELTEC, INC.	200491	6
METHYL ETHYL KETONE	REDUCE FUGITIVE EMISSIONS BY REDUCING OVERALL SOLVENT CONSUMPTION.	SUBSTITUTE SOLVENTS WITH SIMILAR SOLUBILITY AND DISSIMILAR EVAPORATIVE PROPERTIES WITH LESS TOXIC SUBSTANCES; REDESIGN SYSTEM AND INSTALL A VISCOSITY SYSTEM; MAKE ALTERATIONS TO THE PROCESS AIR.	NELTEC, INC.	200491	8
METHYL ETHYL KETONE	REDUCE FUGITIVE EMISSIONS OF MEK AND ACETONE	INCREASE OPERATOR TRAINING; REDUCE OPEN CONTAINER PROCESSES AND INSURE PROPER VENTILATION.	NELTEC, INC.	200491	9
METHYL ETHYL KETONE	MINIMIZE USE OF PVC BASED GLUE FOR EDGE STRIPS AT THE ELECTROREFINERY.	REPLACE GLUE WITH AN ULTRASONIC WELDING MACHINE.	PHELPS DODGE MIAMI INC.	200115	24
METHYL ETHYL KETONE	REDUCE MEK USAGE.	PURCHASE AND INSTALLATION OF AS MANY AS 5 WET PAINT SPRAY GUN CLEANING/RECYCLING UNITS. PURCHASE AND INSTALL ROTARY ATOMIZER GUN SYSTEM ON AN EPOXY AND LAQUER PAINT SYSTEM IN ASSEMBLY AREA.	RAYTHEON COMPANY USAF PLANT 44	200184	48
METHYL ETHYL KETONE	REDUCE USAGE OF SOLVENT-BASED PAINT AND RELATED MEK USAGE	INCREASE NUMBER OF MISSILE COMPONENTS APPROVED FOR POWDER COATING IN PLACE OF SOLVENT-BASED PAINTS BY 50%	RAYTHEON COMPANY USAF PLANT 44	200184	51
METHYL ETHYL KETONE	REDUCE USAGE OF SOLVENT-BASED INK AND RELATED MEK USAGE	(SEE GOAL 51 FOR MEK POUNDS) EVALUATE PERFORMANCE OF LOW VOC CONTAINING INKS AND IMPLEMENT SUBSTITUTION FOR TRADITIONAL SOLVENT-BASED INKS IN STENCILING OPERATIONS.	RAYTHEON COMPANY USAF PLANT 44	200184	52
METHYL ETHYL KETONE	REDUCE USE OF MEK.	(SEE GOAL 51 FOR MEK POUNDS) PURCHASE AND INSTALL NEW AUTOMATIC CONFORMAL COAT UNIT TO REPLACE EXISTING EQUIPMENT.	RAYTHEON COMPANY USAF PLANT 44	200184	53
METHYL ETHYL KETONE	REDUCE USE OF MEK	(SEE GOAL 51 FOR MEK POUNDS) EVALUATE ALTERNATIVE LOW VOC SOLVENT REPLACEMENTS AND IMPLEMENT FOR PAINT GUN CLEANING OPERATIONS.	RAYTHEON COMPANY USAF PLANT 44	200184	54
METHYL ETHYL KETONE	REDUCE USE OF MEK.	(SEE GOAL 51 FOR MEK POUNDS) PURCHASE AND INSTALL NEW ELECTROSTATIC DISCHARGE PAINT SPRAY GUN FOR APPLICATION OF LACQUER TO REPLACE EXISTING NON ESD SPRAY GUN.	RAYTHEON COMPANY USAF PLANT 44	200184	55
METHYL ETHYL KETONE	REDUCE USE OF MEK WITH INCREASED CAPACITY AND PRODUCTION DEMAND.	(SEE GOAL 51 FOR MEK POUNDS) PURCHASE AND INSTALL 3 WET PAINT SPRAY GUN CLEANING/RECYCLING UNITS	RAYTHEON COMPANY USAF PLANT 44	200184	57
METHYL ETHYL KETONE	REDUCE USE OF MEK WITH INCREASED CAPACITY AND PRODUCTION DEMAND.	(SEE GOAL 51 FOR MEK POUNDS) PURCHASE AND IMPLEMENT USAGE OF HVLP PAINT SPRAY GUNS TO REPLACE STANDARD GUNS FOR NEW DEPOT APPLICATION.	RAYTHEON COMPANY USAF PLANT 44	200184	58
METHYL ETHYL KETONE	REDUCE USAGE OF SOLVENTS AS COMPONENTS/THINNERS OF NON-PRODUCTION PAINTING PROJECTS.	(SEE GOAL 51 FOR MEK POUNDS) PURCHASE AND INSTALL INFRARED OVEN FOR MAINTENANCE DEPT AND EVALUTATE PERFORMANCE WITH LOWER VOC PRODUCTS.	RAYTHEON COMPANY USAF PLANT 44	200184	60
METHYL ETHYL KETONE	REDUCE RESIN SOLUTION WASTE STREAM GENERATED FROM THE MIXING AND APPLICATION OF SOLVENT BASED LAMINATE ADHESIVE.	PROMOTE A 25% AN INCREASE IN WATER BASED ADHESIVES IN LAMINATE MANUFACTURING; USE OPERATOR AWARENESS TO DECREASE HAZWASTE GENERATION	ROGERS CORP. ADV-CIRCUIT MAT'LS DIV	200461	1
METHYL ETHYL KETONE	REDUCE THE AMOUNT OF MEK SOLVENT USED FOR RINSING AND CLEANING THE ADHESIVE COATING EQUIPMENT	USE PREVIOUS CLEANUP'S FINAL MEK RINSE FOR THE FIRST RINSE IN THE NEXT CLEANUP; USE MORE WATER BASED ADHESIVES	ROGERS CORP. ADV-CIRCUIT MAT'LS DIV	200461	2
METHYL ETHYL KETONE WIPES	REDUCE AMOUNT OF MEK SOLVENT CONTAMINATED WIPES, GLOVES, PLASTIC PAIL LINERS, ETC USED IN ADHESIVE CLEANUP	PROMOTE WATER BASED ADHESIVES; ESTABLISH ENGINEERING PROJECT TO REDUCE CONTAMINATED WIPES; INCREASE OPERATOR AWARENESS; SEGREGATE WASTE.	ROGERS CORP. ADV-CIRCUIT MAT'LS DIV	200461	3
METHYL ETHYL KETONE	REDUCE THE USE OF MEK AT THE PHOENIX FACILITY.	INVESTIGATE REPLACING A PORTION OR ALL USE OF MEK USED IN CLEAN-UP WITH SOLVENTS CONTAINING NO TOXIC SUBSTANCES.	SCHUFF STEEL COMPANY-GILBERT	200681	12
METHYL ETHYL KETONE	ELIMINATE OR REDUCE THE USE OF METHYL ETHYL KETONE IN THE PAINT OPERATION AND CLEAN UP.	RESEARCH ALTERNATIVE CLEANING PRODUCTS; TEST AND SUBSTITUTE. INCREASE ABRASIVE BLASTING USE	SCHUFF STEEL COMPANY-PHOENIX	200574	3
METHYL METHACRYLATE	ELIMINATE OR REDUCE THE USE OF 1,1,1, TRICHLOROETHANE, METHYL METHACRYLATE, AND METHYLNEBIS	EVALUATE AND IMPLEMENT USE OF NON-SOLVENT BASES ADHESIVES, REDUCE GELCOAT USE, USE LESS TOXIC FOAM	SEA RAY BOATS, INC.	200334	22
METHYL METHACRYLATE	REDUCE EMISSIONS OF METHYL METHACRYLATE.	1. INVESTIGATE ALTERNATIVE APPLICATIONS INCLUDING: USE OF FLOWCOATER FOR GEL COAT APPLICATION AND THE USE OF PRESSURE FED ROLLERS. 2. MONITOR INDUSTRY DEVELOPMENTS FOR HIGHER SOLIDS GEL COATS. 3. IMPROVE APPLICATION TECHNIQUES AND TRAINING TO REDUCE OVERSPRAY. 4. FURTHER INVESTIGATE ALTERNATIVE TRANSPORTATION AND STORAGE METHODS FOR GEL COATS TO ELIMINATE OR MINIMIZE DRUM HANDLING.	SEA RAY BOATS, INC.	200334	23

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
METHYL ETHYL KETONE	REDUCE VOCS AND USE OFSOLVENTS IN PAINT APPLICATIONS BY 80%	RESEARCH "JESSO" PROCESS WHICH ALLOWS MATERIAL WITH A SOLID CONTENT OF 80%; INCREASE PRICES; DISCONTINUE MANUFACTURING PAINTED PRODUCT; OFFER PLYWOOD SHUTTER AS ALTERNATIVE	SUNBURST SHUTTERS	200524	1
METHYL ETHYL KETONE	REDUCE BY 50% THE AMOUNT OF PAINT THINNER USED FOR PAINT LINE FLUSHING THROUGH SOURCE REDUCTION/ RECYCLING.	SUBSTITUTE OR SUPPLEMENT THE THINNER WITH THE SOLVENTS DECANTED FROM EMPTY DRUMS. IF THIS OPTION IS NOT FEASIBLE, INSTALL A SOLVENT RECYCLING UNIT.	TED LEVINE DRUM CO	200376	10
METHYL ETHYL KETONE	REDUCE THE QUANTITY AND OR TOXICITY OF HAZARDOUS WASTE SPECIFICALLY IN THE RAG WASTE AND COMPOSITE MATERIAL SCRAP	DEVELOPED A PROCESS WHERE SCRAP PIECES OF COMPOSITE MATERIAL ARE LAID UP INTO "BOARDS" FOR USE ON CONSTRUCTION AND TOOLING PROJECTS ELIMINATING DISPOSAL; FABRICATE SEVERAL USUABLE PRODUCTS.	THE BOEING COMPANY	200238	10
METHYL ETHYL KETONE	REDUCE THE QUANTITY OF SOLVENTS FOR DISPOSAL AS HAZARDOUS WASTE	INSTALL AN ADDITIONAL DRUM IN EACH PAINT FACILITY TO SEGREGATE PAINT AND SOLVENT TO ENABLE REUSE; PHASE OUT USE OF DESIGNATED HALOGENATED SOLVENTS.	THE BOEING COMPANY	200238	12
METHYL ISOBUTYL KETONE	REDUCE THE QUANTITY OF SOLVENTS FOR DISPOSAL AS HAZARDOUS WASTE	INSTALL AN ADDITIONAL DRUM IN EACH PAINT FACILITY TO SEGREGATE PAINT AND SOLVENT TO ENABLE REUSE; PHASE OUT USE OF DESIGNATED HALOGENATED SOLVENTS.	THE BOEING COMPANY	200238	12
METHYL ETHYL KETONE	REDUCE THE NEED FOR OFF-SITE DISPOSAL/TREATMENT OF SHOP RAGS CONTAMINATED WITH SOLVENTS	REPLACE COTTON AND CHEESE CLOTH RAGS WITH PAPER TOWELS TO REDUCE WEIGHT; REDUCE THE SIZE OF THE CLOTH RAGS; USE A SPECIAL CONTAINER TO HOLD PAPER RAGS	THE BOEING COMPANY	200238	13
METHYL ETHYL KETONE	REDUCE THE AMOUNT OF SCRAP MATERIAL WHICH RESULTS FROM CUTTING COMPOSITE FABRICS TO THE DESIRED SHAPE AND SIZE FOR USE IN AIRCRAFT MANUFACTURING.	PURCHASE AND INSTALL A NEW TYPE OF CUTTING MACHINE (MADE BY GRF) WHICH INCLUDES A NESTING PROGRAM WHICH OPTIMIZES THE CUTTING LAYOUT PATTERNS PER MATERIAL TYPE.	THE BOEING COMPANY	200238	26
METHYL ETHYL KETONE	REDUCE THE QUANTITY AND TOXICITY OF SOLVENTS USED IN AIRCRAFT PAINTING PROCESSES.	REDUCE MEK AS A HAND WIPE SOLVENT BY SUBSTITUTING METHYL PROPYL KETONE, REDUCE MEK AND TOLUENE BY SUBSTITUTING ACETONE IN THE PAINT GUN CLEANING PROCESS.	THE BOEING COMPANY	200238	38
METHYL ETHYL KETONE	GENERAL: REDUCE AIR EMISSIONS, WATER DISCHARGES, AND OFFSITE TRANSFERS OF HAZ. WASTE BY 50% BY DEC. 1995 FOR 7 CHEMICALS (BENZENE, MEK, TOLULENE, DICHLOROMETHANE, XYLENE, AND CHROMIUM) IN THE 33/50 PROGRAM	PRODUCT SUBSTITUTIONS AND PROCESS / SPECIFICATION MODIFICATIONS	THE BOEING COMPANY	200238	4
METHYL ETHYL KETONE	REDUCE THE QUANTITY OF RCRA WASTE GENRATED FROM WASTE COMPOSITE MATERIALS.	DEVELOP A SAMPLING PROGRAM TO DETERMINE RCRA FROM NON-RCRA WASTE MATERIALS, COMBINE DATA INTO AN ONLINE DATABASE WITH REFERENCE TO PART NUMBERS. COMPLETE THE PROCESS WITH IMPROVED WASTE SEGREGATION PROCEDURES FOR DISPOSAL PURPOSES. PURCHASE COMPOSITE MATERIALS WITH REDUCED QUANTITIES OF MEK WHENEVER POSSIBLE TO AVOID A RCRA WASTE.	THE BOEING COMPANY	200238	40
METHYL ETHYL KETONE	REDUCE HANDWIPE USE OF OZONE DEPLETING SOLVENTS AND REDUCE RELATED AIR EMISSIONS AND HAZARDOUS WASTE GENERATION	PRODUCT & MATERIAL SUBSTITUTIONS WILL BE ENCOMPASSED. PROCESS SPECIFICATIONS & PROCEDURES WILL BE MODIFIED. WILL USE DESOCLEAN 45, DESOCLEAN 20, AND TURCO 6749 WHICH ARE SOLVENT BLENDS. SAFETY ISSUE EXISTS DUE TO FLAMMABILITY	THE BOEING COMPANY	200238	8
METHYL METHACRYLATE	REDUCE METHYL METHACRYLATE EMISSIONS.	INSTITUTE GOOD HOUSEKEEPING MEASURES. IMPROVE EMPLOYEE TRAINING, ESPECIALLY AT THE POURING PROCESS. INVESTIGATE USE OF LOWER METHYL METHACRYLATE CONTAINING RESINS.	TRENWYTH INDUSTRIES	200676	1
METHYL ALCOHOL	REDUCE VOC's FROM METHYL ALCOHOL AND ISOPROPANOL USED IN VELVALITE PRODUCT	USE NEW PRODUCT CALLED DUMEIHT WHICH IS WATER BASED NOT ALCOHOL BASED.	TUCSON FOUNDRY & MFG, INC	200397	10
METHYL ISOBUTYL KETONE	REDUCE MIBK EMISSIONS BY 80% FROM ONE TUBE SPRAYING MACHINE.	EVALUATE AVAILABLE TECHNOLGY AND ECONOMIC FEASIBILITY. PURCHASE AND INSTALL EQUIPMENT IF ECONOMICALLY FEASIBLE. INSTALL EXHAUST SCRUBBER ON VENT FOR TUBE SPRAYING MACHINE	TUSONIX INC.	200402	14
METHYL ETHYL KETONE	REDUCE MEK EMISSIONS BY 80% GENERATED AT CASTING MACHINES.	INSTALL EXHAUST SCRUBBER ON VENT FOR TAPE CASTING MACHINE. EVALUATE AVAILABLE TECHNOLOGY AND ECONOMIC FEASIBILITY. PURCHASE & INSTALL EQUIPMENT IF FEASIBLE	TUSONIX INC.	200402	15
METHYL ETHYL KETONE	REDUCE THE QUANTITY OF PAINT RESIDUE (MIXTURE OF WASTE SOLVENT AND WASTE PAINT) BY 75% BY MAY 1994 AND BY 90% BY 1995	INSTALL RECYCLERS FOR MEK USED FOR GUN CLEANING; PURCHASE NEW PAINTING SYSTEM THAT WILL MIX PAINT AS IT IS BEING USED; PHASE OUT USE OF MEK AND REMOVE DISTILLATION UNITS; USE COMPUTER GENERATED STENCILS	U.S.A.F. - DAVIS MONTHAN	200408	2
METHYL ETHYL KETONE	ELIMINATE USE OF AND DISPOSAL OF SOLVENTS WHERE FEASIBLE.	IDENTIFY ADDITIONAL WASTE SOLVENT STREAMS. USE FLOW CHART TO PRIORITIZE BEST ALTERNATIVES.	U.S.A.F. - LUKE	200409	21

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
METHYL ETHYL KETONE	REDUCE THE WASTE METHYL ETHYL KETONE AT CORROSION CONTROL	IMPLEMENT SAFETY KLEEN RECYCLING CONTRACT FOR ALL SPRAY PAINTING EQUIPMENT CLEANING AT CORROSION CONTROL REMOVE UNUSABLE RECYCLING STILL	U.S.A.F. - LUKE	200409	24
METHYL ETHYL KETONE	ALLIED TRADES: REDUCE USE OF MEK IN PAINT SPRAY GUN CLEANING	INSTALL A PAINT SPRAY GUN WASHER AND ENCLOSURE.	U.S.A.F. - LUKE	200409	6
METHYL ETHYL KETONE	ELIMINATE THE NEED FOR LISTING MEK ON THE EPCRA FORM R (TRI REPORT). MEK USAGE MUST BE LESS THAN 10,000 LBS. PER YEAR OR A 40% REDUCTION FROM BASELINE.	REDUCTION OF MEK TO BELOW 10,000 LBS. PER YEAR WILL REQUIRE SUBSTITUTES FOR CLEANING OPERATIONS, "TO" CHANGES, AND TRAINING. NEW SOLVENT STILLS WILL ALSO HELP IN THOSE AREAS THAT STILL REQUIRE THE USE OF MEK.	U.S.A.F. - DAVIS MONTHAN	200408	6
METHYL ETHYL KETONE	3.8 PAINT SHOP, B-11, OPERATIONS: INVESTIGATE AND IMPLEMENT PROCEDURES TO REDUCE WASTE VOLUME FROM PAINTING OPERATIONS BY 10%.	IMPLEMENT LEAN THINKING BEST PRACTICES FOR INVENTORY CONTROL. IMPLEMENT ISO 14002 BEST PRINCIPLES FOR CLEANING EQUIPMENT, SPRAY OPERATIONS AND SURFACE PREPARATION.	UNIVERSAL PROPULSION COMPANY INC.	200421	17
METHYL ETHYL KETONE	REDUCE THE AMOUNT OF MEK PURCHASED AND USED BY 25%	SUBSTITUTE WITH ALTERNATIVE CLEAN-UP SOLVENTS, UPGRADE EQUIPMENT TO INCREASE THE AMOUNT RECYCLED, BETTER HOUSEKEEPING	VALLEY INDUSTRIAL PAINTING	200577	1
METHYL ETHYL KETONE	REDUCE AIR EMISSIONS FROM 10- 20%	INCREASE RECOVERY OF MEK FOR RECYCLING PURPOSES TO REDUCE OVERALL EMISSIONS.	VALLEY INDUSTRIAL PAINTING	200577	2
METHYL ETHYL KETONE	FURTHER REDUCE USE OF MEK (METHYL ETHYL KETONE) TO UNDER REPORTABLE 10,000 LBS LIMIT	1. CONTINUE RECYCLING ACTIVITIES. 2. SUBSTITUTE OTHER SOLVENTS SUCH AS ACETONE WHERE APPROPRIATE. 3. INVESTIGATE ALTERNATE PAINTING TECHNOLOGY.	VALLEY INDUSTRIAL PAINTING	200577	3
METHYL ETHYL KETONE	REDUCE USAGE OF TOXIC CHEMICALS IN STAINS, SEALERS AND LACQUERS.	SUBSTITUTE NON TOXIC CHEMICALS FOR TOLUENE, XYLENE, 1,1,1 TRICHLOROETHANE, METHANOL, METHYL ETHYL KETONE AND GLYCOL ETHERS.	WOODSTUFF MANUFACTURING-43RD AVE	200459	1
METHYL-ETHEL-KETONE	REDUCE ACETONE AND MEK EMISSIONS 98%.	DUCT EXAUST TO THERMAL OXIDER	HEXCEL CORPORATION	200464	20
METHYL-ETHYL-KEYTONE	REDUCE HAP EMISSIONS BY SUBSTITUTING ACETONE FOR MEK ACTION PLAN: 1) PERFORM SMALL SCALE TESTING 2) PERFORM CUSTOMER QUALIFICATION 3) IMPLEMENT CHANGE.	REPLACE MEK WITH ACETONE BASED RESIN	HEXCEL CORPORATION	200464	19
METHYLENE CHLORIDE	ELIMINATE THE USE OF METHYLENE CHLORIDE USED IN ASPHALT TESTING.	REPLACE METHYLENE CHLORIDE WITH NUCLEAR DENSITY IN TESTING; PURCHASE AND INSTALL NEW OVENS AT LABS TO CLEAN GLASSWARE INSTEAD OF USING METHYLENE CHLORIDE.	ADOT- SAFETY AND HEALTH SECTION	200009	1
METHYLENE CHLORIDE	ELIMINATE METHYLENE CHLORIDE FROM LABORATORY CLEANING.	REPLACE METHYLENE CHLORIDE CLEANING PROCEDURE WITH A SELF CLEANING OVEN.	ADOT- SAFETY AND HEALTH SECTION	200009	22
METHYLENE CHLORIDE	REDUCE METHYLENE CHLORIDE EMISSIONS BY EVALUATING A SAFER ALTERNATIVE PRODUCT.	REPLACE WITH SAFER ALTERNATIVE PRODUCT.	AMERICA WEST AIRLINES	200028	7
METHYLENE CHLORIDE	ELMINATE THE USAGE OF1,1,1-TCA, CARBON TETRACHLORIDE, METHYLENE CHLORIDE, PERC AND TRICHLOROETHYLENE.	EVALUATE SUBSTITUTES; DISAPPROVE THESE CHEMCIALS FOR ON-SITE USE AND RESTRICT REORDER CAPABILITY.	APS PALO VERDE NUCLEAR	200042	1
METHYLENE CHLORIDE	REDUCE GENERATION OF WASTE SOLVENT.	RECYCLE USED SOLVENT AND REUSE IN SAME PROCESS; PURCHASE BATCH STILL DISTILLATION UNIT.	ARIZONA STATE UNIVERSITY-RISK MGMT.	200064	3
METHYLENE CHLORIDE	REDUCE METHYLENE CHLORIDE USED TO CLEAN PARTS.	USE N-M-P AS PRIMARY SOLVENT AND METHYLENE CHLORIDE AS FINAL CLEANING SOLVENT ONLY.	ATLAS ROOFING CORPORATION	200053	3
METHYLENE CHLORIDE	ELIMINATE USE OF METHYLENE CHLORIDE.	REPLACED METHYLENE CHLORIDE WITH MEK WHICH IS RECYCLED BY DISTILLATION	AZ DEPT OF EMERGENCY MILITARY AFFAIRS	200058	6
METHYLENE CHLORIDE	REDUCE QUANTITY OF WASTE METHYLENE CHLORIDE GENERATED. ***INACTIVE FACILITY***	USE ALTERNATIVE TEST (NUCLEAR) PROCEDURES. BID ON JOBS WHERE ALTERNATIVES CAN BE USED	CORONADO ENGINEERING AND CONSULTING	200507	1
METHYLENE CHLORIDE	ELIMINATE METHYLENE CHLORIDE, HAZARDOUS AIR POLLUTANT, USED FOR CLEANING	REPLACE WITH LESS HAZARDOUS OR NON HAZARDOUS CLEANER	CYTECFIBERITE	200185	46
METHYLENE CHLORIDE	REDUCE THE USE OF METHYLENE CHLORIDE IN THE PAINT STRIPPER.	UTILIZE LESS %CONCENTRATION OF METHYLENE CHLORIDE. REPLACE OLD 54% STRIPPER WITH NEW 50% METHYLENE CHLORIDE STRIPPER. EVALUATE ALTERNATIVE PAINT STRIPPERS.	EVERGREEN AIR CENTER. INC	200138	1
METHYLENE CHLORIDE	ELIMINATE METHYLENE CHLORIDE AND PHENOL COMPLETELY FROM THE AIRCRAFT PAINT STRIPPING PROCESS.	REPLACE METHYLENE CHLORIDE AND PHENOL WITH FORMIC ACID AND MINERAL OIL	EVERGREEN AIR CENTER. INC	200138	10
METHYLENE CHLORIDE	ELIMINATE METHYLENE CHLORIDE EMISSIONS GENERATED BY USING EXISTING PAINT STRIP SOLUTION.	REPLACE EXISTING PAINT STRIP SOLUTION WITH A METHYLENE CHLORIDE-FREE PRODUCT.	GOLD TECH INDUSTRIES	200607	1
METHYLENE CHLORIDE	ELIMINATE THE METHYLENE CHLORIDE USE TO STRIP PAINT. *DROPPED*	SUBSTITUTE ALTERNATIVE STRIPPER.	HONEYWELL - 19TH AVE PHOENIX	200181	19

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METHYLENE CHLORIDE	ELIMINATE CHLORINATED SOLVENT USE (METHYLENE CHLORIDE) IN DEGREASING PRODUCT	REPLACE METHYLENE CHLORIDE WITH A NON-CHLORINATED CLEANER; REPLACE VAPOR DEGREASERS WITH CLOSED LOOP AQUEOUS PARTS WASHER	HUCK FASTENERS	200183	3
METHYLENE CHLORIDE	REDUCE THE USE OF PAINT STRIPPING SOLVENTS: PHE- NOL; METHYLENE CHLORIDE **GOAL DROPPED**	INVESTIGATE THE USE OF MECHANICAL STRIPPERS FOR PAINT STRIP BY 9/94 TO REPLACE SOLVENTS	KACHINA AEROSPACE & SEMICONDUCTOR	200203	6
METHYLENE CHLORIDE	CAPTURE AND DESTROY VOC'S GENERATED BY AIRCRAFT PAINTING AND DEPAINTING OPERATIONS ***INACTIVE FACILITY***	PERFORM A VOC DESTRUCTION TECHNOLOGY SEARCH FOR AN AIR CONTROL SYSTEM, DESIGN, INSTALL, AND PERMIT	LOCKHEED AEROMOD AIRCRAFT CENTERS	200219	2
METHYLENE CHLORIDE	ELIMINATE THE USE OF METHYLENE CHLORIDE TO CLEAN PLASTIC SCREENS ATTACHED TO METAL FRAMES	METHYLENE CHLORIDE WAS REPLACED WITH WATER AND ULTRASONIC ACTION.	MEDTRONIC, TEMPE	200240	5
METHYLENE CHLORIDE	REDUCE USE OF METHYLENE CHLORIDE USED TO CLEAN CASTING MACHINE.	DEVELOP A CLEANER WHICH CONTAINS A REDUCED PERCENTAGE OF METHYLENE CHLORIDE FOR THE CASTING MACHINE. DEVELOP ALTERNATIVE CLEANERS FOR OTHER CLEANING PROCESSES, ELIMINATING TOTAL DEPENDENCY ON METHYLENE CHLORIDE.	MESA FULLY FORMED	200241	6
METHYLENE CHLORIDE	ELIMINATE USE OF METHYLENE CHLORIDE USED TO FLUSH AND CLEAN LINES AND CASTING MACHINES.	RESEARCH SUBSTITUTES; USE A CLEANER FROM POLYURETHANE MANUFACTURER (INADEQUATE); MODIFY EQUIPMENT TO REDUCE FLUSHING AND CLEANER	MI HOME PRODUCTS INC.	200072	3
METHYLENE CHLORIDE	REDUCE METHYLENE CHLORIDE USE.	EVALUATE REPLACEMENT OF METHYLENE CHLORIDE WITH A LESS TOXIC, NON-HAZARDOUS SOLVENT. REPLACE SOLVENT WITH A LESS TOXIC, NON-HAZARDOUS SOLVENT.	PHELPS DODGE MIAMI INC.	200115	10
METHYLENE CHLORIDE	REDUCE THE USE OF METHYLENE CHLORIDE IN THE RESIN CLEANING PROCESS AT THE ELECTROWINNING TANKHOUSE BY REPLACING METAL RESIN MIXER DRUMS WITH POLYETHYLENE MIXER DRUMS BY JANUARY 1, 1998.	PHYSICALLY REPLACE MIXER DRUMS WITH A MATERIAL THAT NEEDS LESS SOLVENT TO CLEAN MIXER.	PHELPS DODGE MIAMI INC.	200115	9
METHYLENE CHLORIDE	ELIMINATE USE OF METHYLENE CHLORIDE USED IN MATERIALS LABORATORY.	SUBSTITUTE WITH LESS TOXIC SUBSTANCE SUCH AS CITRUS BASED MATERIALS; TEST THE ASPHALT DENSITY IN THE FIELD WITH NUCLEAR DENSITY MACHINE.	PIMA COUNTY MISSION ROAD COMPLEX	200527	2
METHYLENE CHLORIDE	REDUCE USE OF METHYLENE CHLORIDE	IMPLEMENT BEST MANAGEMENT PRACTICES. PURCHASE EPOXY MACHINE WHICH DOES NOT REQUIRE SOLVENT FOR CLEANING	PING, INC	200208	2
METHYLENE CHLORIDE	ELIMINATE THE USE OF METHYLENE CHLORIDE IN THE WOODS PREP. AREA	INSTALLED ALTERNATIVE EQUIPMENT THAT ELIMINATED USE OF METHYLENE CHLORIDE	PING, INC	200208	6
METHYLENE CHLORIDE	REDUCE HAZARDOUS MATERIAL USAGE AND HAZARDOUS SOLID WASTE GENERATION WITH IMPLEMENTATION OF NEW PAINT STRIPPING OPERATION.	PURCHASE AND INSTALL NEW CO2 LASER STRIPPER EQUIPMENT TO PERFORM PAINT STRIPPING.	RAYTHEON COMPANY USAF PLANT 44	200184	59
METHYLENE CHLORIDE	ELIMINATE THE USE OF METHYLENE CHLORIDE AS AN ANTI-SPLATTER COMPOUND.	RESEARCH NON-TOXIC ANTI-SPLATTER PRODUCTS; TEST ALTERNATIVES; IMPLEMENT SUBSTITUTE	SCHUFF STEEL COMPANY-PHOENIX	200574	1
METHYLENE CHLORIDE	SOLVENT CONTAMINATED DEBRIS (2): ELIMINATE OR REDUCE USE OF HAZARDOUS SOLVENT	INVESTIGATE IF AN ALTERNATIVE NON-HAZARDOUS SOLVENT CAN REPLACE THE HAZARDOUS SOLVENTS.	TALLEY DEFENSE SYSTEMS - PLT 4	200370	21
METHYLENE CHLORIDE	ELIMINATE THE USE OF METHYLENE CHLORIDE AS A DRUM LABEL REMOVER.	EVALUATE AN ALTERNATIVE LABEL REMOVER OR A TYPE OF MECHANCIAL REMOVAL PROCESS	TED LEVINE DRUM CO	200376	2
METHYLENE CHLORIDE	GENERAL: REDUCE AIR EMISSIONS, WATER DISCHARGES, AND OFFSITE TRANSFERS OF HAZ. WASTE BY 50% BY DEC. 1995 FOR 7 CHEMICALS (BENZENE, MEK, TOLULENE, DICHLOROMETHANE, XYLENE, AND CHROMIUM) IN THE 33/50 PROGRAM	PRODUCT SUBSTITUTIONS AND PROCESS / SPECIFICATION MODIFICATIONS	THE BOEING COMPANY	200238	4
METHYLENE CHLORIDE	REDUCE THE USE OF PAINT STRIPPERS THAT USE HAZ. CHEMICALS SUCH AS METHYLENE CHLORIDE	EVALUATE ALTERNATINE STRIP TECHNOLIGIES (eg. WHEAT STARCH, BICARBONATE, XENON FLASH AND PLASTIC MEDIA); SELECTED FLASHJET TECHNOLOGY WHICH ELIMINATED THE LIQUID WASTE STREAM AND AIR EMISSIONS.	THE BOEING COMPANY	200238	9
METHYLENE CHLORIDE	REDUCE THE GENERATION OF ORGANIC AND HOT TANK PAINT REMOVER WASTE BY 50% BY MAY 1994 AND 100% BY MAY 1995	IMPLEMENT A PLASTIC MEDIA BLASTING SYSTEM TO STRIP PAINT FROM AIRCRAFT PARTS; LEASE THE PLASTIC MEDIA AND REUSE MATERIAL IN PROCESS	U.S.A.F. - DAVIS MONTHAN	200408	1
METHYLENE CHLORIDE	REDUCE SOLVENT REPACK - HOSE FLUSH WASTES BY 7% PER YEAR	REVISE PROCEDURES FOR USE OF NITROGEN TO FLUSH HOSES, (ACETONE, ETHYLENE GLYCOL, GLYCOL ETHERS, METHANOL, PCE, TCE, MEK, METHYLENE CHLORIDE, TOLUENE, XYLENE, TCA) WRITTEN OPERATING PROCEDURES FOR RINSING AND REPACKAGING.	UNIVAR USA, INC.	200426	7

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
METHYLENE CHLORIDE	3.2, 3.2a:OVERALL PLANT WIDE REDUCTION GOAL -METHYLENE CHOLORIDE REDUCTIONS: REDUCE ANNUAL USE BY 30% BY 1993, AND BY 50% BY 1994 (1991 IS BASELINE).	3.2b GOAL A: ESTABLISH BETTER INVENTORY CONTROLS AND IMPROVED HANDLING PRACTICES DURING TRANSPORT OF METHYLENE CHLORIDE FROM STORAGE TO THE MANUFACTURING AREAS. ACTION PLAN (1) PURCHASE OF SAFETY CONTAINERS FOR ALL MANUFACTURING AREAS USING THIS SOLVENT BY DEC. 1992 (CLOSED 1992); ACTION PLAN (2) IMPLEMENT USE OF DAILY LOGS IN BULK STORAGE SHEDS BY DEC. 1992 (CLOSED 1992); ACTION PLAN (3) BY JAN. 1993, TRAIN EMPLOYEES AND SUPERVISORS IN PROPER HANDLING PROCEDURES (CLOSED 1993).	UNIVERSAL PROPULSION COMPANY INC.	200421	5
METHYLENE CHLORIDE	3.2c:REDUCE THE USE OF METHYLENE CHLORIDE-CONTINUED FROM 3.2a: (THIS IS STILL PART OF OVERALL GOAL #5 [3.2a] AND THIS GOAL WILL BE MEASURED AS PART OF GOAL #5 [3.2a])	3.2c GOAL B: BY APRIL 1993 REMODEL THE PRESENT OPEN STORAGE SHED TO PROVIDE A CLOSED FACILITY WITH EVAPORATIVE COOLING TO MAINTAIN TEMPERATURES BELOW SOLVENT BOILING POINT. ACTION PLAN (1) DETERMINE LABOR AND MATERIAL COSTS BY JAN. 1993; ACTION PLAN(CLOSED 1993); (2) PURCHASE COOLERS AND OTHER MATERIALS, AND COMPLETE CONSTRUCTION BY APRIL 1993 (CLOSED 1993).	UNIVERSAL PROPULSION COMPANY INC.	200421	6
METHYLENE CHLORIDE	3.2 d: ORIGINAL GOAL WAS TO REDUCE THE USE OF METHYLENE CHLORIDE-CONTINUED FROM 3.2a: (THIS IS STILL PART OF OVERALL GOAL #5 [3.2a] AND THIS GOAL WILL BE MEASURED AS PART OF GOAL #5 [3.2a].) GOAL REVISED 6/28/2000 TO: ELIMINATE USE OF METHYLENE CHLORIDE.	3.2d GOAL C: PROVIDE SUBSTITUTES FOR METHYLENE CHLORIDE AS A CLEANING OR DEGREASING SOLVENT BY MAR. 1993. ACTION PLAN (1) CONDUST A LITERATURE SEARCH BY SEPT. 1992 TO IDENTIFY CANDIDATES FOR REPLACING METHYLENE CHLORIDE (CLOSED 1993); ACTION PLAN (2) TEST SELECTED SUBSTITUTES BY OCT. 1992 (CLOSED 1993); ACTION PLAN (3) SELECT THE BEST SUBSTITUTE CLEANER BY OCTOBER 1992 (CLOSED 1993); ACTION PLAN (4) ISSUE INSTRUCTIONS TO USE SELECTED SUBSTITUTES BY JAN. 1993 (CLOSED 1993); ACTION PLAN (5) BY FEB. 1993, REVISE UPCO DOCUMENT 4015 TO INCLUDE METHYLENE CHLORIDE SUBSTITUTES FOR CLEANING OPERATIONS (CLOSED); ACTION PLAN (6) REVISE PROPELLANT MANUFACTURING PROCEDURAL DOCUMENTS TO INCLUDE METHYLENE CHLORIDE SUBSTITUTES BY APRIL 1993 (OPEN).	UNIVERSAL PROPULSION COMPANY INC.	200421	7
METHYLENEBIS	REDUCE/ ELIMINATE INCOMPLETE BURNING OF EXHAUST GASES.	INSTALL MASS FLOW METER.	ATLAS ROOFING CORPORATION	200053	1
METHYLENEBIS	CONTINUE TO EXPLORE AND RESEARCH OPPORTUNITIES FOR ELIMINATION, SUBSTITUTION, AND REFORMULATION.	IF FEASIBLE ALTERNATIVES ARE IDENTIFIED, EVALUATE IMPLEMENTATION.	FLEETWOOD HOMES OF AZ, INC. #21	200613	1
METHYLENEBIS	REDUCE OR ELIMINATE PHENOL AND/OR METHYLENEBIS	CONTACT SUPPLIER TO SEE WHAT OPTIONS EXIST FOR REDUCING CONCENTRATION OF PHENOL AND/OR METHYLENEBIS. FOUND THAT PRESENT BINDER SYSTEM IS STATE OF THE ART FOR THE NO-BAKE MOLDING SYSTEM.	ME GLOBAL INC.	200079	2
METHYLENEBIS	ELIMINATE THE USE OF METHYLENEBIS IN THE "A" SIDE OF THE FOAM.	REFORMULATE FOAM TO USE NON-TOXIC MATERIALS.	SEA RAY BOATS, INC.	200334	19
METHYLENEBIS	UNTIL METHYLENEBIS IS ELIMINATED, REDUCE USAGE.	DEVELOP WRITTEN PROCEDURES AND DAILY INVENTORY CONTROL SHEET.	SEA RAY BOATS, INC.	200334	20
METHYLENEBIS	RECYCLE POLYURETHANE SHIPPING CONTAINERS	RESEARCH METHODS FOR REUSING POLYURETHANE CONTAINERS	TUSCARORA/ ISC GROUP	200534	2
METHYLNEBIS	ELIMINATE OR REDUCE THE USE OF 1,1,1, TRICHLOROETHANE, METHYL METHACRYLATE, AND METHYLNEBIS	EVALUATE AND IMPLEMENT USE OF NON-SOLVENT BASES ADHESIVES, REDUCE GELCOAT USE, USE LESS TOXIC FOAM	SEA RAY BOATS, INC.	200334	22
MIBK	REDUCE STACK VOCs PER UNIT OF PRODUCTION BY 2% PER YEAR (CHANGED AND NOW GOAL 10).	ADJUST CRITICAL OPERATING PARAMETERS, PAINT SLA DUCT WHITE TO REFLECT SOLOR HEAT.	IMATION CORPORATION	200001	4
MICROETCH	MICRO ETCH: ELIMINATE PERSULFATE BASED MICRO ETCH CHEMISTRY ON COPPER CLAD LAMINATES FOR CIRCUIT BOARD MANUFACTURING	SUBSTITUTE WITH HYDROGEN PEROXIDE/SULFURIC ACID MICRO ETCH. THEN, RATHER THAN USING DUMP AND REMAKE MICRO ETCH, THE SULFURIC PEROXIDE IS CHILLED TO REMOVE COPPER SULFATE. THE SOLUTIONS ARE MAINTAINED AND REUSED. THE COPPER SULFATE IS RECYCLED FOR COPPER.	MOSAIC PRINTED CIRCUITS, LLC. (QUALITY PRINTED CIRCUITS)	200513	3
MICROETCH	REDUCE DUMP FREQUENCY ON BLACK OXIDE LINES.	DETERMINE THE FEASIBILITY OF IN-LINE FILTERS TO INCREASE BATH LIFE.	SANMINA - SCI	200669	12
MICROETCH	REDUCE CHEMICAL USAGE ON ELECTROLESS COPPER LINE.	BY DETERMINING THE FEASIBILITY OF IN-LINE FILTERS TO EXTEND BATH LIFE.	SANMINA - SCI	200669	16
MICROETCH	REDUCE CHEMICAL DUMP FREQUENCY ON BUILDING G SURFACE PREP.	BY EXTENDING THE PERIOD BETWEEN PREVENTATIVE MAINTENANCE JOBS.	SANMINA - SCI	200669	4
MICROETCH	LOWER THE AMOUNT OF VOCS ON THE IMMERSION GOLD LINE.	BY INVESTIGATING THE OPPORTUNITY FOR USE OFA LOW OR NO VOC CHEMISTRY.	SANMINA - SCI	200669	51
MICROETCH	LOWER THE AMOUNT OF VOCS ON THE DEEP GOLD LINE.	INVESTIGATE OPPORTUNITIES FOR USE OF A LOWER OR NO VOC CHEMISTRY.	SANMINA - SCI	200669	56
MICROETCH	DETERMINE FEASIBILITY OF USING IN-LINE FILTERS TO EXTEND BATH LIFE ON DEEP GOLD LINE.	PUT IN-LINE FILTERS ON APPROPRIATE BATHS TO REDUCE DUMP CYCLES.	SANMINA - SCI	200669	59

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
MIK	REDUCE THE NEED FOR OFF-SITE DISPOSAL/TREATMENT OF SHOP RAGS CONTAMINATED WITH SOLVENTS	REPLACE COTTON AND CHEESE CLOTH RAGS WITH PAPER TOWELS TO REDUCE WEIGHT; REDUCE THE SIZE OF THE CLOTH RAGS; USE A SPECIAL CONTAINER TO HOLD PAPER RAGS	THE BOEING COMPANY	200238	13
MINERAL SPIRITS	ELIMINATE MINERAL SPIRIT BASED SOLVENTS WITH SEMI-AQUEOUS CLEANING SYSTEM BY REMOVING SAFETY KLEEN MACHINE FROM THE FACILITY. ACTION PLAN (1) RESEARCH ALTERNATIVES. ACTION PLAN (2) IMPLEMENT THE BEST ALTERNATIVE.	REPLACE MINERAL SPIRIT BASED SOLVENT (I.E. SAFETY KLEEN MACHINE) WITH A SEMI-AQUEOUS CLEANING SYSTEM.	ARIZONA MPP	200570	5
MINERAL SPIRITS	REPLACE MINERAL SPIRITS WITH AN AQUEOUS-BASED CLEANER IN THE PARTS WASHERS	EVALUATE AQUEOUS-BASED CLEANERS TO REPLACE THE MINERAL SPIRITS IN THE PARTS WASHERS	KARSTEN PRECISION, HEAT TREAT DIVISION	200342	9
MINERAL SPIRITS	REDUCE THE USE OF WOOD STAIN AND ASSOCIATED VOC EMISSIONS	(A) REPLACE WOOD PANELS BY USING SYNTHETIC PANELS, (B) REDUCE THE USE OF STAINS. 08/06/2002: REPLACING WOOD PANELS WITH SYNTHETIC PANELS WAS COMPLETED NOVEMBER, 2001. THE REASON QUANTITY IS NOT LESS IS THAT PROJECT WAS NOT COMPLETED BY YEAR END.	MAAX SPAS ARIZONA, INC.	200102	20
MINERAL SPIRITS,XYLENE	REDUCE THE USE OF VOC CHEMICALS IN PAINTING OPERATION	INSTALL ELECTROSTATIC PAINTING SYSTEM (INSTALLATION PERMIT OBTAINED).	PING, INC	200208	3
MINERAL SPIRITS	REDUCE PRODUCT FROM ENTERING WWTP	PURCHASE A WET/ DRY SHOP VACUUM FOR CLEAN UP OF PACKAGING SPILLS	PROFESSIONAL CHEMICALS CORP	200538	3
MINERAL SPIRITS	REDUCE THE AMOUNT OF SOLVENT WASTE GENERATED BY DRY-CLEANING AND VEHICLE MAINTENANCE (PERCHLORO-ETHANE; MINERAL SPIRITS).	INSTALL A SOLVENT DISTILLATION UNIT FOR PERCHLOROETHANE AND MINERAL SPIRITS.	U.S. ARMY - FORT HUACHUCA	200404	1
MINERAL SPIRITS	REDUCE THE AMOUNT OF SOLVENT WASTE FROM VEHICLE PARTS WASHING (MINERAL SPIRITS).	TRIAL TESTS FOR BIODEGRADABLE SOLVENTS FOR VEHICLE PARTS WASHING TO REPLACE MINERAL SPIRITS	U.S. ARMY - FORT HUACHUCA	200404	2
MINERAL SPIRITS	ELIMINATE THE USE OF MINERAL SPIRITS USED TO CLEAN METAL PARTS	EVALUATE ALTERNATIVES AND SELECT A REPLACEMENT	U-HAUL INTERNATIONAL TECHNICAL CENTER	200403	1
MINERAL SPIRITS	RECYCLE USED MINERAL SPIRITS IN PROCESS	EVALUATE RECYCLING SYSTEMS; SELECT SYSTEM AND INSTALL	U-HAUL INTERNATIONAL TECHNICAL CENTER	200403	2
MINERAL ACIDS	REDUCE ACID WASTES BY 10%	SEGREGATE WASTE FROM RCRA WASTES	UNIVERSITY OF ARIZONA	200424	2
MIRACHEM	REDUCE AMOUNT OF DISPOSAL MIRACHEM FROM 2000LBS TO 100LBS/YR OR A 95% REDUCTION IN WASTE. ** GOAL DROPPED**	CONSTRUCT DEWATERING FACILITY FOR MIRACHEM	U.S. ARMY - YUMA PROVING GROUND	200406	4
MISC CHEM WASTE FROM DRUM	REDUCE WASTE LEFT IN BOTTOM OF CHEMICAL DRUMS	IDENTIFY MODIFICATIONS NEEDED AND INSTALL NEW DRUM CHEMICAL DISTRIBUTION SYSTEM	INTEL CORP.- CHANDLER CAMPUS	200191	13
MISC. CHEMICALS	REDUCE OVERALL POLLUTION, WASTE AND THE GENERATION OF HAZARDOUS WASTE	IDENTIFY THE POINTS OF GENERATION USING SAFETY COMMITTEE AND SUBCOMMITTIES, PERFORM AUDITS.	ACME ELECTRIC CORP. AEROSPACE DIVISION	200482	11
MISC. (OFF-SPEC WASTE)	REDUCE OFF-SPECIFICATION WASTES BY 25%.	ONE TIME DISPOSAL OF OFF SPECIFICATION INSTRUMENTS AND TOXIC CHEMICALS, MINIMIZE REPLACEMENT OF TOXIC CHEMICALS.	ADOT- SAFETY AND HEALTH SECTION	200009	3
MISC. (OFF-SPEC WASTES)	REDUCE OFF-SPECIFICATION WASTES BY 25%.	ONE TIME DISPOSAL OF OFF SPECIFICATION INSTRUMENTS AND TOXIC CHEMICALS, MINIMIZE REPLACEMENT OF TOXIC CHEMICALS.	ADOT- SAFETY AND HEALTH SECTION	200009	3
MISC. CHEMICALS	IMPROVE ONSITE STORAGE OF CHEMICALS AND HAZARDOUS MATERIALS	PURCHASED A NEW HAZ-MAT STORAGE SHED WHICH MEETS OR EXCEEDS ALL EPA STANDARDS	BADGER METER INC - RIO RICO AZ	200494	2
MISC. CHEMICALS	REDUCE THE AMOUNT OF HAZARDOUS MATERIAL SHIPPED TO A LANDFILL TO ABOUT 1%	TREATMENT OF VAPORIZER (DRAIN PLUG OUTLET) WASTE IF ABOVE 5PPM. **GOAL DROPPED**	EPITRONICS CORP	200137	3
MISC. CHEMICALS	COMBINE THE TWO WALBAR FACILITIES TOGETHER TO CONSERVE ENERGY, REDUCE CHEMICAL CONSUMPTION, IMPROVE WASTE MANAGEMENT	COMBINE FACILITIES **GOAL DROPPED**	GOODRICH TURBOMACHINERY PRODUCTS	200434	6
MISC. CHEMICALS	ELIMINATE THE POSSIBILITY OF RAW MATERIALS CONTACTING THE NATIVE EARTH DURING RECIEVING AND UNLOADING	EXTEND CONCRETE STORAGE PAD (158% STORAGE INCREASE); ADD STORAGE PAD SUMP; ADD PERIMETER WALL (4FT HIGH)	GRIFFIN CORP.-CASA GRANDE, AZ.	200212	5
MISC. CHEMICALS	REDUCE SPILLS AND LEAKS FROM ALL HOSES, PIPING, VALVES AND IN LOADING AND UNLOADING AREAS.	REPAIR AND IMPROVE ALL NECESSARY HOSES, FLANGES, VALVES AND PIPE CONNECTIONS RECORDKEEPING WILL BE INCLUDED.	HILL BROTHERS CHEMICAL CO.-PHX.	200176	2
MISC. CHEMICALS	REDUCE POTENTIAL TO CONTAMINATE SOIL ****INACTIVE FACILITY***	INSTALL CONCRETE CONTAINMENT FOR STORAGE OF CHEMICALS, LUBRICANTS ETC.	IRONITE PRODUCTS COMPANY	200196	1
MISC. CHEMICALS	REDUCE SOLVENTS, GREASES AND CHEMICAL USE ***INACTIVE FACILITY***	REPLACE WITH BIODEGRADABLE CLEANERS	IRONITE PRODUCTS COMPANY	200196	2

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
MISC. CHEMICALS	CONTINUE TO DIRECT ALL ORGANIC WASTE STREAMS TO OFF-SITE FUEL BLENDING & SOLID WASTE FUELS PROGRAMS FOR ENERGY RESOURCE RECLAMATION.	CONTINUE TO DIRECT ALL ORGANIC WASTE STREAMS TO OFF-SITE FUEL BLENDING & SOLID WASTE FUELS PROGRAMS FOR ENERGY RESOURCE RECLAMATION. OFF-SITE RECLAMATION FOR ENERGY RESOURCE RECOVERY VS. DESTRUCTIVE INCINERATION WHEREIN NO ENERGY RESOURCE RECOVERY VALUE IS OBTAINED. 1995 INCLUDES TEMPLE FAB 2	MICROCHIP TECHNOLOGY-CHANDLER	200247	9
MISC. POLLUTANTS	REDUCE POLLUTANT LOSS INDEX (PLI) BY 10% FROM 1991 BASELINE (0.14%)	USE ENTIRE P2 PLAN TO REDUCE PLI PERCENTAGE.	MINEREC MINING CHEMICALS	200471	12
MISC. POLLUTANTS	REDUCE POLLUTANT LOSS INDEX BY 25% FROM 1991 BASELINE (0.14%)	USE ENTIRE P2 PLAN TO REDUCE PLI PERCENTAGE.	MINEREC MINING CHEMICALS	200471	13
MISC. CHEMICALS	COMPLETE MAINTENANCE SERVICE POINT CHECKLIST	PREVENTIVE MAINTENANCE WILL HAVE A POSITIVE IMPACT ON POLLUTION PREVENTION BY REDUCING THE NUMBER OF EQUIPMENT BREAKDOWNS	MINEREC MINING CHEMICALS	200471	17
MISC. CHEMICALS	REDUCE THE AMOUNT OF PROCESS CHEMICALS BY 20% MEASURED AS EFFICIENCY	REVISE PROCESS INSTRUCTIONS; CONVERT RACK STRIPPING TO SULFURIC ACID/AMMONIUM BIFLUORIDE SOLUTION; ADD FREEBOARD SPACE	PRECISION PLATING, INC.	200531	3
MISC. CHEMICALS	PREVENT ACCIDENTAL CHEMICAL RELEASES THROUGH THE FLOOR DRAINS NEAR THE FORK LIFT BATTERY STORAGE AREA AND CHEMICAL ROOM	INSTALL EXPANSION TYPE DRAIN PLUGS FOR THE ROUND FLOOR DRAINS.	STERIS CORPORATION	200328	2
MISC. CHEMICALS	REDUCE / ELIMINATE THE OPPORTUNTITIES FOR THE GENERATION OF HAZARDOUS WASTE BY IMPROVING GENERAL PROCEDURES.	CREATE TEAM TO LOOK AT VARIOUS PHASES OF MATERIAL SPECIFICATIONS, PROCESSES, WAREHOUSING AND WASTE DISPOSAL; IDENTIFY PROCESS IMPROVEMENTS, PRODUCT SUBSTITUTIONS, JUST-IN-TIME DELIVERY, ETC.	THE BOEING COMPANY	200238	21
MISC. CHEMICALS	REDUCE USE OF OPEN CONTAINERS (5 GAL BUCKETS, 55 GAL DRUMS, DRIP PANS, ETC) OF FEED STOCKS.	ISSUE POLICY STATEMENT ADDRESSING OPEN CONTAINERS	UNITED METRO MATERIALS - PLANT 1	200417	2
MIXED ACIDS	(RF1 PROJ. #RF-1) REDUCE USEAGE OF ACID MIXTURE IN WAFER ETCH BY USING A DIRECT GRIND PROCESS	EXPERIMENT WITH DIRECT GRIND PROCESS ON TEST WAFERS. DESIGN AND INSTALL ANY EQUIPMENT MODIFICATIONS NEEDED. CONDUCT EXPERIMENTS ON PRODUCT. QUALIFY PRODUCT FOR CUSTOMERS. CONVERT TO NEW ETCHING PROCESS.	MOTOROLA SCG	200253	42
MIXED FLAMIBLE WASTE	HAZ WASTE DISPOSAL AND TREATMENT: TRANSFER LAB PACKING TO ERC	TRANSFER LAB PACK RESPONSIBILITY FROM CONTRACTOR TO IN HOUSE EMPLOYEES TO REDUCE HAZ WASTE VOLUME AND REDUCE COST BY 76%	RAYTHEON COMPANY USAF PLANT 44	200184	27
MIXED SOLVENTS/ POISONS AND METALS	REDUCE THE USAGE OF CHEMICALS WITHIN THE LABORATORY BY AT LEAST 5% AS CALCULATED FROM THE RATIO OF CHEMICALS USED IN THE LABORATORY TO THE PHARMACEUTICALS PRODUCED.	CONSTRUCT A CHEMICAL SUPPLY STOREROOM WITHIN THE FACILITY TO CLOSELY MANAGE THE PURCHASE, ISSUANCE AND USAGE OF LABORATORY CHEMICALS.	SCHEIN PHARMACEUTICAL INC.	200360	10
MONO AMMONIUM PHOSPHATE	REDUCE CONVERSION SOLN DISPOSAL (MONO AMMONIUM PHOSPHATE,POTASIUM FERRO CYANIDE,EDTA,CITRIC ACID, SODIUM SULFITE) IN DRAIN	LOCAL TESTS FOR REUSING THE CONVERSION SOLUTION WERE NOT SUCCESSFUL. CONTINUE TO RESEARCH **DROPPED**	DELUXE CHECK PRINTERS	200120	6
MONOETHANOL AMINE	REDUCE THE USE AND THE PRETREATMENT OF RESIST STRIPPER.	SET UP TEST WITH ENGINEER AND RECYCLING COMPANY; RECYCLE THE SOLUTION.	EVERETT CHARLES TECHNOLOGIES STG	200131	8
MONOETHANOLAMINE	REDUCE THE GENERATION OF RESIST STRIP WASTE.	ENGINEERING CONTROLS: INITIATE pH PROBE PM AND CALIBRATION SCHEDULE. MONITOR DAY TANK CONCENTRATIONS. GRADUATE DAY TANK AND DEVELOP AN ADDITIONAL SCHEDULE.	SOUTHBAY CIRCUITS, INC.	200586	4
MONOETHANOLAMINE	REDUCE THE QUANTITY OF MONOETHANOLAMINE USED FOR METAL PARTS WASHING.	1. UTILIZE ON-SITE RECYCLING. 2. REPLACE MONOETHANOLAMINE WITH PETROLEUM NAPTHA OR OTHER NON-HAZARDOUS SOLVENT.	U-HAUL INTERNATIONAL TECHNICAL CENTER	200403	4
MORPHOLINE	REDUCTION OF VOCS FROM ADDITION OF MORPHOLINE TO THE MIXING TANKS. 1) RESEARCH PUMP/PIPING COMPATABILITIES, 2) PURCHASE EQUIPMENT/CHANGE RAW MATERIAL TO BE SUPPLIED IN TOTE TANKS AS OPPOSED TO DRUMS, 3) INSTALLATION OF EQUIPMENT.	INSTALLATION OF CLOSED PUMPING SYSTEM FOR THE DELIVERY OF MORPHOLINE TO THE MIX TANKS.	W. R. MEADOWS OF ARIZONA INC	200433	1
MP-39	ELIMINATE USE OF CLASS I ODCS IN ARMY WEAPONS TESTING SYSTEMS. (1) FOLLOW THE YUMA PROVING GROUND ODC ELIMINATION PLAN FOR ELIMINATION OF ODCS ASSOCIATED WITH ENVIRONMENTAL SIMULATION TEST ACTIVITIES. (2) ESTABLISH A PROCEDURE FOR TRACKING PROGRESS OF ALL ODC ELIMINATION.	REPLACE ODCS WITH NEW PRODUCTS AS THEY BECOME AVAILABLE. REPLACE OR RETROFIT SYSTEMS THAT USE ODCS	U.S. ARMY - YUMA PROVING GROUND	200406	9
N-BUTYL ALCOHOL/C DISULFI	(B) PREVENT ACCIDENTAL SPILLS OR LEAKS FROM PIPING AND TANKS. STUDY TO SELECT AND IMPLEMENT A PREVENTIVE MAINTENANCE PROGRAM.	IMPLEMENT A PREVENTATIVE MAINTENANCE PROGRAM; PERIODIC INSPECTIONS.	ALKEMIN, S. DE R.L. DE C.V.	200211	2
N-BUTYL ALCOHOL/C DISULFI	(E) CLEAN UP STORAGE AREA	DEVELOP AND IMPLEMENT A HOUSEKEEPING PLAN IN THE CHEMICAL STORAGE AREA.	ALKEMIN, S. DE R.L. DE C.V.	200211	5

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
N-BUTYL ALCOHOL/C DISULFI	(F) ELIMINATE THE LEAKS FROM PIPING, VALVES AND SEALS IN THE CHEMICAL STORAGE AREA.	UPGRADE PLANT AREA EQUIPMENT; ELIMINATE TRENCHES WHERE LEAKS COULD NOT BE SEEN; REPLACE PIPES WHICH ARE OLD AND OUTDATED.	ALKEMIN, S. DE R.L. DE C.V.	200211	6
N-BUTYL ALCOHOL	ELIMINATE THE USE OF TWO "313" CHEMICALS (N-BUTYL ALCOHOL, PERCHLOROETHYLENE) CALLED CYPWASH USED FOR CLEANING AND CURING PRINTING PLATES	SUBSTITUTE WITH A DUPONT PRODUCT CALLED "OPTISOL" (A WATER/AMMONIA BLEND) THEN RECYCLE THE OPTISOL ON-SITE FOR AN 80% RECOVERY	FORTUNE PLASTICS OF AZ, INC	200141	2
N-BUTYL ALCOHOL	REDUCE VOC EMISSIONS OF HAZARDOUS RAW MATERIALS.	SUBSTITUTE VOC CONTAINING RAW MATERIALS WITH LESS HAZARDOUS CHEMICALS.	IVC INDUSTRIAL COATINGS	200751	1
N-BUTYL ACETATE	REDUCE REPROCESSING CHEMICALS DUE TO REWORKS AND REDOS.	IMPROVE OPERATIONS; EXAMINE OPERATIONS THAT GENERATE REDOS; REDUCE REDOS BY OPTIMIZING PHOTORESIST DEVELOPING PROCESS.	MOTOROLA SCG	200253	10
N-BUTYL ACETATE	(ZR PROJ# ZR1-B) REDUCE USAGE OF N-BUTYL ACETATE IN PHOTOLITHOGRAPHY BY DECEMBER, 1999, BY UTILIZING A PROPOSED NEW SPRAY PUDDLE PROCESS.	DESIGN AND INSTALL ANY EQUIPMENT MODIFICATIONS NEEDED TO OPTIMIZE THE DEVELOPING PROCESS. CHANGE ONE OR MORE OF THE PROCESS PARAMETERS (PRESSURE, TIME, ETC.). THEN USING TEST WAFERS, DETERMINE THE EFFECT THE CHANGES HAVE ON THE PRODUCT. TEST VARIOUS COMBINATIONS OF PROCESS PARAMETER SETTINGS TO DETERMINE WHICH PRODUCES ACCEPTABLE PRODUCT QUALITY AT THE LOWEST CHEMICAL USE RATE. CONDUCT EXPERIMENTS ON PRODUCT. QUALIFY PRODUCT FOR CUSTOMERS. CONVERT TO NEW CLEANING PROCESS.	MOTOROLA SCG	200253	30
N-BUTYL ACETATE	REDUCE UNNECESSAY PURGES WITH N-BUTYL ACETATE IN PHOTORESIST DEVELOPING STEP DUE TO VISUAL SOLVENT LEVEL CHECKS.	INSTALL LEVEL SENSORS; ELIMINATE VISUAL LEVEL CHECK AND PURGE CYCLE NECESSARY AFTER EACH VISUAL CHECK.	MOTOROLA SCG	200253	4
N-BUTYL ALCOHOL	REDUCE THE USAGE OF SOLVENT-BASED COATINGS AND INKS TO REDUCE VOC's.	EVALUATE IMPROVED COATINGS (HIGHER SOLIDS) AND INKS; NEW INSIDE CAN SPRAY VARNISH (REPLACED PPG CC3665 WITH CC3625CWD) AND SPRAY NOZZLES	REXAM BEVERAGE CAN COMPANY-PHX AZ FACILITY	200031	9
N-BUTYL ACETATE	REDUCE BY 50% THE AMOUNT OF PAINT THINNER USED FOR PAINT LINE FLUSHING THROUGH SOURCE REDUCTION/ RECYCLING.	SUBSTITUTE OR SUPPLEMENT THE THINNER WITH THE SOLVENTS DECANTED FROM EMPTY DRUMS. IF THIS OPTION IS NOT FEASIBLE, INSTALL A SOLVENT RECYCLING UNIT.	TED LEVINE DRUM CO	200376	10
N-METHYL PYRROLIDONE	REDUCE USE OF N-METHYL PYRROLIDONE (NMP), WHICH IS CONTAINED IN RESIN FOR "LAYING UP" PRODUCT.	CHANGE TO WATER BASED RESIN	HEXCEL CORPORATION	200464	16
N-METHYL PYROLIDONE	8.04 SPENT HALOGENATED SOLVENTS: REDUCE THE AMOUNT OF HALOGENATED SOLVENTS PURCHASED AND DISPOSED	IDENTIFY POTENTIAL VENDORS OR USERS FOR RECYCLING AND REUSE OF THE SPENT HALOGENATED SOLVENTS RATHER THAN ENERGY RECOVERY DISPOSAL	MOTOROLA - CHANDLER	200254	4
N-METHYL-2-PYRROLIDIONE	INCREASE RECYCLE OF CHEMICAL WASTE GNERATED FROM WAFER FABRICATION AND ASSEMBLY TEST OPERATIONS TO 35% OF THE CHEMICAL WASTE GENERATED.	SEGREGATE THE SOLVENT GENERATED IN LITHOGRAPHY OPERATIONS FROM THAT GENERATED IN OTHER OPERATIONS SO THAT SOLVENT CAN BE DISTILLED WHERE THE NMP CAN BE RECOVERED. INCREASE THE FLUORIDE CONTENT OF THE CALCIUM FLUORIDE CAKE GENERATED FROM THE HF NEUTRALIZATION PROCESS AND SELL THE CAKE FOR USE IN ALUMINUM SMELTING.	INTEL CORP.- CHANDLER CAMPUS	200191	19
N-METHYL-2-PYRROLIDONE	REDUCE VOC EMISSIONS OF HAZARDOUS RAW MATERIALS.	SUBSTITUTE VOC CONTAINING RAW MATERIALS WITH LESS HAZARDOUS CHEMICALS.	IVC INDUSTRIAL COATINGS	200751	1
N-METHYL-2-PYRROLIDONE	OPTIMIZE THE PHOTORESIST STRIPPING PROCESS TO REDUCE THE USE OF N-METHYL-2-PYRROLIDONE BY 20%.	IMPROVE THE PROCESS FOR PHOTORESIST STRIPPING TO REDUCE THE AMOUNT OF N-METHYL-2-PYRROLIDONE USED.	TEXAS INSTRUMENTS TUCSON	200077	15
N-METHYL-2-PYRROLIDONE	IDENTIFY ALTERNATIVE PHOTORESIST STRIPPERS THAT DO NOT CONTAIN N-METHYL-2-PYRROLIDONE (OR OTHER TOXIC COMPOUNDS) AND THAT CAN BE QUALIFIED AS A REPLACEMENT FOR THE CURRENT STRIPPER USED IN ORDER TO ELIMINATE THE USE OF NMP IN THIS PROCESS.	CHANGE THE CHEMISTRY USED FOR PHOTORESIST STRIPPING TO ONE THAT DOES NOT CONTAIN N-METHYL-2-PYRROLIDONE.	TEXAS INSTRUMENTS TUCSON	200077	16
N-METHYL-2-PYRROLODONE	8.0.15 SOLVENT RECOVERY OF n-METHYL PYRROLIDONE (NMP): REUSE THE NMP SOLVENT, WASTE POLYIMIDE, AND WASTE PHOTORESIST	SEARCHED AND FOUND A VENDOR THAT RECLAIMS NMP IN HOUSTON, TEXAS. VENDOR WILL PURCAHSE WASTE POLYIMIDE AND PHOTORESIST	MOTOROLA - CHANDLER	200254	15
n-METHYLPYRROLIDONE	ELIMINATE OR MINIMIZE PHOTORESIST STRIPPER USE.	EVALUATE BATH LIFE EXTENSION OPTIMIZE EXISTING ASHER CLEAN PROCESS AND ELIMINATE THE ACID CLEAN PROCESS.	MOTOROLA SCG	200253	17
Na HYPOCHLORITE SOLN	REDUCE THE AMOUNT OF SODIUM HYPOCHLORITE USED FOR DESTRUCTION OF WASTE POTASSIUM CYANIDE SOLUTION	DEVELOP PROCEDURES AND MODIFY PIPING TO ENABLE USE OF WASTE HYDROGEN PEROXIDE SOLUTION FOR CYANIDE DESTRUCTION	DUREL CORPORATION	200518	9
NAPHTHA	REDUCE SOLVENT USAGE BY RESEARCHING SOLVENT SUBSTITUTION PRODUCTS IN TUBE CLEANING OPERATION - SUBSTITUTION OF 140-66 WITH ANOTHER PRODUCT.	SUBSTITUTION OF SOLVENT USED IN THE PROCESS WITH A DIFFERENT CHEMICAL AND CONTINUE REDUCTION IN THE AMOUNT OF SOLVENT USED.	V.A.W. OF AMERICA, INC.	200478	5
NAPHTHALENE	ELIMINATE USE OF PETROLEUM DISTILLATES FOR PARTS WASHING BY DECEMBER 31, 1999 THROUGH EVALAUTION OF ALTERNATIVE CHEMICALS OR DISCONTINUANCE.	EVALUATE OPTIONAL CHEMICAL USE OR DISCONTINUANCE OF PRACTICE. NAPHALENE NO LONGER USED IN HOUSE.	HERAEUS INC.--MATERIALS TECH. DIVISION	200171	5

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
NAPHTHALENE	ELIMINATE NAPHTHA, N-BUTANOL, AND N-PROPYL ACETATE FROM THE CLEANING OF THE PAINT FILTERS.	ELIMINATE CLEANING OF THE PAINT FILTERS BY USING DISPOSABLE FILTERS.	MI HOME PRODUCTS INC.	200072	14
NAPTHA	REDUCE OR ELIMINATE NAPTHA IN THE MOLD RELEASE. 1) RESEARCH ALTERNATE MOLD RELEASE AGENTS. 2) RUN IN-HOUSE EVALUATIONS 3) IMPLEMENT MOST EFFECTIVE SOLUTION 4) MONITOR PROCESS	DECREASE NAPTHA CONCENTRATION IN MOLD RELEASE OR REPLACE NAPTHA BASED MOLD RELEASE WITH A WATER BASED RELEASE AGENT.	ACCUFLEX CORPORATION	200634	2
NAPTHA	REDUCE NAPHTHA USE IN MOLD RELEASE APPLICATION. 1) PURCHASE HPLV SPRAY EQUIPMENT 2) IMPLEMENT USE ON ALL AREAS REQUIRING MOLD RELEASE APPLICATION.	IMPLEMENT USE OF HPLV SPRAY EQUIPMENT FOR MOLD RELEASE TO REPLACE CONVENTIONAL SPRAY EQUIPMENT.	ACCUFLEX CORPORATION	200634	5
NAPTHA SOLVENT	REDUCE QUANTITIY OF NAPTHA SOLVENT WASTE ***INACTIVE FACILITY***	IMPLEMENT A SAFETY-KLEEN CYCLONIC PARTS CLEANING UNIT	BADGER METER INC - RIO RICO AZ	200494	4
NAPTHA 62%	REDUCE THE T-2 USAGE PER UNIT OF PRODUCT PRODUCED BY 20%. ACTION PLAN (1): CONTINUE TO WORK TOWARDS A CONSISTENT FORMULATION OF INPUT MATERIALS. ACTION PLAN (2): CONTINUE TOWARDS DEVELOPING CONSISTENT PROCESS & CONTROLS TO INCREASE EFFICIENCY & REDUCE T-2 SOLVENT USAGE.	CONTINUE TO MAKE INCREMENTAL REFINEMENTS OF PROCESS AND CONTROLS FOR INCREASE IN YIELDS.	BRUSH CERAMIC PRODUCTS	200075	4
NAPTHA	REDUCE THE VOC EMISSIONS PER WAFER (55ML/WAFER) FROM THE APPLICATION OF THE DEVELOPER BY 15%. PROCESS: RESIN IS APPLIED TO WAFERS WHICH ARE SPUN TO PROVIDE AN EVEN COATING. AN ADHESION PROMOTER IS USED PRIOR TO THE RESIN. A DEVELOPER AND RINSE SOLVENT ARE ALSO USED. WAFERS ARE PROCESSED ONE AT A TIME.	OPTIMIZE THE TIME WHICH THE DEVELOPER IS DISPENSED ON EACH WAFER.	FLIP CHIP TECHNOLOGIES	200629	5
NAPTHA	REDUCE REPROCESSING CHEMICALS DUE TO REWORKS AND REDOS.	IMPROVE OPERATIONS; EXAMINE OPERATIONS THAT GENERATE REDOS; REDUCE REDOS BY OPTIMIZING PHOTORESIST DEVELOPING PROCESS.	MOTOROLA SCG	200253	10
NAPTHA	REDUCE AMOUNT OF WASTE PAINT SHIPPED AS A HAZARDOUS WASTE WASTE BY SOURCE REDUCTION, OFF-SITE RECYCLING OR ONSITE PHYSICAL TREATMENT	SEGREGATE AND SEND OFFSITE FOR RECYCLING, REUSE OR USE ONSITE IN REFORMULATED PAINT OR CONSIDER ONSITE TREATMENT TO ELIMINATE CHARACTERISTIC RCRA WASTE CODE.	TED LEVINE DRUM CO	200376	11
NAPTHA	TUBE CLEANING OPERATION: REDUCE VOC EMISSIONS 20%	REDUCE STORAGE TIME OF TUBE PRIOR TO HEAT TREATMENT; USE CONTROLLED AFTERBURNER TECHNOLOGY TO DESTROY VOCS.	V.A.W. OF AMERICA, INC.	200478	4
NAPTHALENE	REDUCE THE AMOUNT OF ETCHANT LOST FROM DRAG OUT IN THE DIPPING PROCESS/HOT WATER RINSE STEP. THIS WILL ALSO REDUCE EMISSIONS OF GLYCOL ETHER & NAPTHALENE.	TEST MATERIALS AND TECHNIQUES THAT CAN EFFECTIVELY REMOVE SIGNIFICANT AMOUNTS OF DRAG OUT ETCHANT.	W. L. GORE & ASSOC.(4TH ST.)	200429	5
natural gas	REDUCE THE AMOUNT OF ENERGY USED TO HEAT THE WATER FOR ENVIRONMENTAL CLEANING IN THE PLANT	INSTALL A DIRECT WATER HEATING SYSTEM THAT REQUIRES NO CHEMICAL ADDITION.	SCHREIBER FOODS, INC.	200529	8
NATURAL GAS	REDUCE WATER USAGE AND NATURAL GAS CONSUMPTION BY 10-20% IN PASTING AREA	MODIFY CLEANING PROCESS. USE WATER SAVING FAUCETS, BUBBLER SYSTEM, AND EMPLOYEE TRAINING.	ACME ELECTRIC CORP. AEROSPACE DIVISION	200482	4
NATURAL GAS	REDUCE NATURAL GAS USAGE IN TEB PROCESS. ACTION PLAN 1: RESEARCH EFFICIENCIES AND ALTERNATIVE WASTE WATER TREATMENT PROCESSES. ACTION PLAN 2: EVALUATE OPTIONS IDENTIFIED IN #1. ACTION PLAN 3: SELECT OPTION AND IMPLEMENT. (BASELINE QUANTITY 15,700 THERMS IN 1998.)	IMPROVE WORK PRACTICES THROUGH TRAINING; IMPROVE WASTE SEGREGATION.	CORELLA ELECTRIC WIRE AND CABLE	200698	4
NATURAL GAS	REDUCE NATURAL GAS CONSUMPTION.	TURN OFF PILOT LIGHTS DURING SUMMER MONTHS.	CYTECFIBERITE	200185	41
NATURAL GAS	NATURAL GAS FUEL CONSERVATION: REDUCE CONSUMPTION OF NATURAL GAS SUPPLEMENTAL OXIDIZER FUELS BY 15%.	ACTION ITEMS: A. STACK TEST TO CONFIRM COMPLIANCE WITH PERMIT CONDITIONS FOR DESTRUCTION EFFICIENCY AND CO LIMITS. B. OPTIMIZE TREATER AIR FLOWS AND OXIDIZER EFFICIENCY TO ALLOW LOWEST TEMPERATURE RANGE AT 97% DESTRUCTION EFFICIENCY. C. SUBMIT STACK TEST RESULTS IN REPORT TO AGENCY FOR APPROVAL. D. IMPLEMENT OPTIMIZATION PLAN ON TREATER UNITS NO. 1 & 2. [NOTE: ENERGY CONSERVATION EFFORTS WILL ALSO INCLUDE EVALUATION OF INSTALLING A GAS TURBINE GENERATOR UNIT FOR FUTURE REPLACEMENT OF OXIDIZER UNITS WHEN SERVICE LIFE OF THE UNITS IS COMPLETE.] INSTALL UPSTREAM DROP OUT BOX ON OXIDIZER UNIT NO. 2, AS PILOT TO DETERMINE FEASIBILITY OF GAS TURBINE FOR USE WITH PLANT VOC WASTE STREAM COMPONENTS (LOW MOLECULAR CONDENSATE COMPOUNDS). OPTIMIZATION OF OXIDIZER UNITS BURN CHAMBER THERMAL EFFICIENCY TO ALLOW LOWER BURN TEMPERATURES, AND CONSUMPTION OF LESS SUPPLEMENTAL FUEL (NATURAL GAS). DESTRUCTION EFFICIENCY MUST BE MAINTAINED AT A MINIMUM OF 97%.	ISOLA LAMINATE SYSTEMS	200268	7
NATURAL GAS	REDUCE THE AMOUNT OF NATURAL GAS THE SITE USES BY 25%.	SHUTDOWN THE THERMAL OXIDIZERS BY JULY 15, 2001. THIS THERMAL OXIDIZERS USE NATURAL GAS TO FUEL THE BURNERS. THE SITE IS WELL BELOW THE REGULATORY THRESHOLD THAT REQUIRES VOC ABATEMENT.	MOTOROLA - RESEARCH DIV	200609	12

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
NATURAL GAS	INCREASE EFFICIENCY OF GAS BURNING DEVICES TO YIELD SOME IMPROVEMENT IN BURNER EFFICIENCY	SCHEDULE COMBUSTION CONTRACTOR, PERFORM EQUIPMENT ADJUSTMENTS; INSTALL EXHAUST GAS ANALYZERS TO ADJUST FUEL MIXTURE RATIO.	NELCO TECHNOLOGY, INC.	200265	7
NATURAL GAS	REDUCE NATURAL GAS USAGE.	IMPROVE MAINTENANCE, OPERATING PROCEDURES AND SCHEDULING. BASELINE QUANTITY 2.44 MMBTU/TON. THE AVERAGE FOR 6/98-12/98 IS 2.37 MMBTU/TON OF STEEL PRODUCED. THIS IS A .067 MMBTU/TON REDUCTION. HOWEVER, WE CONTINUE TO REDUCE THIS NUMBER.	NORTH STAR STEEL ARIZONA	200615	2
NATURAL GAS	REDUCE VOLUME OF NATURAL GAS BURNED IN THE THERMAL OXIDIZER BY 5% IN 1995 AND 10% IN 1995	COMPLETE SPECIFICATIONS FOR CONTROL SYSTEM CHANGES FOR OXIDIZER BURNER AND BLOWER SPEED CONTROLS; TRACK NATURAL GAS USAGE	NORTHROP-GRUMMAN	200174	15
NATURAL GAS	MAINTENANCE FACILITIES: REDUCE THE USE OF NATURAL GAS CONSUMPTION.	INSTALL HEATERS WHICH BURN USED OIL	PHELPS DODGE MIAMI INC.	200115	4
NATURAL GAS	ENSURE REGULAR PREVENTIVE MAINTENANCE ON ALL SYSTEM COMPONENTS TO ELIMINATE POTENTIAL SOURCES OF LEAKS OR FAILURES.	CREATE AN AUTOMATIC YEARLY ALERT TO PERFORM PREVENTIVE MAINTENANCE ON ALL PROPYLENE SYSTEM COMPONENTS.	PRAXAIR DISTRIBUTION-PHOENIX	200684	1
NATURAL GAS	REDUCE THE AMOUNT OF ENERGY USED TO HEAT THE WATER FOR ENVIRONMENTAL CLEANING IN THE PLANT	INSTALL A DIRECT WATER HEATING SYSTEM THAT REQUIRES NO CHEMICAL ADDITION.	SCHREIBER FOODS, INC.	200529	8
NATURAL GAS	REDUCE NATURAL GAS USE BY CONSOLIDATING BOILER OPERATIONS WHICH WILL ELIMINATE ONE 600 HP BOILER (F-2000-3).	CONSOLIDATE BOILER OPERATIONS 1) INSTALL CROSSOVER PIPING 2) DEACTIVATE HEATING TO UNUSED AREAS 3) DEACTIVATE BOILER.	SCI,L.L.C (ON SEMICONDUCTOR)	200726	9
NATURAL GAS	REDUCE THE CONSUMPTION OF NATURAL GAS	IMPROVED LADEL BURNERS BY INSTALLING NEW PREHEATERS WHICH SAVED 1 BILLION BTU'S PER YEAR	TUCSON FOUNDRY & MFG, INC	200397	7
NEOPRENE	REDUCE COMBINED QUANTITY OF WASTE NEOPRENE AND WASTE URETHANE ADHESIVES BY 5% PER YEAR COMPARED TO 1994 LEVELS	MORE FREQUENT DISPENSING OF ADHESIVES. SET AND POST GOAL THROUGHOUT FACILITY.	GOODRICH-AIRCRAFT EVACUATION SYSTEMS	200073	6
NFO SOAP	REDUCE REWORK ASSOCIATED WITH OIL CONTAMINATED BY 75%, THEREFORE REDUCING CLEANING LINE CHEMICALS BY 20%	REWORK PIPING TO SEPARATE OIL FROM SOLUTION. INSTALL AQUEOUS CLEANER SYSTEM. ADD MORE RINSE TANKS.	PRECISION PLATING, INC.	200531	5
NICKEL PLATING WASTE	IDENTIFY AND INVESTIGATE ALTERNATIVE TECHNOLOGIES TO IMPROVE THE EFFICIENCY CAPACITY AND EFFECTIVENESS OF THE CURRENT FLOTATION, SEPARATION AND DEHYDRATION UNITS.	INVESTIGATE ALTERNATIVES: ION EXCHANGE; REVERSE OSMOSIS; OZONATION; EVAPORATION; ELECTRODIALYSIS; PRECIPITATION, ETC; INSTALLED A PRECIPITATION/ ULTRAFILTRATION SYSTEM AND A SAMSCO DEHYDRATOR; RESEARCHING ZERO-DISCHARGE SYSTEM IN NEW PLATING SHOP.	ABRAMS AIRBORNE MFG	200003	6
NICKEL CADMIUM	REDUCE SCRAP PLAQUE BY 20% OVER THE NEXT 2 YEARS	IMPLEMENT SPC FOR BETTER PROCESS CONTROL AND HIRE FULL TIME CHEMICAL TECHNICIAN TO MONITOR AND MAKE PROCESS IMPROVEMENTS.	ACME ELECTRIC CORP. AEROSPACE DIVISION	200482	12
NICKEL PLATING BATH	REDUCE PLATING LINE WASTE WATER AND SCRAP FILTERS BY 25% OVER THE NEXT TWO YEARS.	BOILER ALARM SHUTS DOWN DUE TO POWER SURGE OR OUTAGE WHICH CAUSES COOLOONG OF PLATING TANK SOLUTIONS. THIS RESULTS IN NICKEL SULFATE CRYSTALIZING IN THE RECIRCULATION FILTERS. INSTALL AN ALARM TO ALERT FACILITY OF SHUTDOWN SO ACTION CAN BE TAKEN PRIOR TO FOULING FILTERS.	ACME ELECTRIC CORP. AEROSPACE DIVISION	200482	13
NICKEL SULFATE	REDUCE NICKEL SULFATE EMISSIONS LEAVING DUST ON ASSOCIATED EQUIPMENT BY 20% OVER THE NEXT YEAR.	REDUCE EMISSIONS BY COVERING 93.6 SQ FT OF THE PLATING BATH SOLUTIONS SURFACE AREA WITH PLASTIC BALLS.	ACME ELECTRIC CORP. AEROSPACE DIVISION	200482	14
NICKEL	REDUCE NICKEL SLUDGE USED IN PASTING PROCESS.	REUSE OF OUT-OF-SPEC PASTE; CHANGES IN EQUIPMENT TO REDUCE PASTE GOING TO WASTE TREATMENT; LIMIT RECLAIMED MATERIAL ADDED TO BATCHES	ACME ELECTRIC CORP. AEROSPACE DIVISION	200482	2
NICKEL	REDUCE F006 NICKEL PLATING WASTE BY 50% AND THE F006 EVAPORATION SALTS BY 75%	EVALUATE PROCESS CHANGES: IMPROVE PH ADJUSTMENT; INSTALL A COMMON TANK; USE A DISTRIBUTION MANIFOLD TO DIRECT THE SOLUTION BACK TO THE TANKS	ACME ELECTRIC CORP. AEROSPACE DIVISION	200482	6
NICKEL ACETATE	ELIMINATE THE USE OF NICKEL ACETATE IN THE SEALING STEP AS DESCRIBED IN SECTION 6 "PROCESS SUMMARY".	REPLACE NICKEL ACETATE WITH MAGNESIUM ACETATE (CAS #142-72-3) IN THE SEALING STEP AS DESCRIBED IN SECTION 6 "PROCESS SUMMARY".	ARIZONA MPP	200570	1
NICKEL PLATING BATH	REDUCE SLUDGE BUILDUP & EXTEND ELECTROPLATING BATH LIFE (NICKEL, CHROME ZINC, COPPER). ZINC AND COPPER ARE CYANIDE BASED.	INSTALLED A DEIONIZED WATER SYSTEM FOR BATH MAKE-UP ON THE CHROME LINE IN 1992 TO REDUCE SLUDGE BUILD UP; INSTALL DI WATER ON NICKEL PLATING BATHS ALSO.	AZ PLATING & ANODIZING CO	200062	1
NICKEL COMPOUNDS - LIQUID	REDUCE SOLUTION LOSS DURING LOAD TRANSFERS 1) DETERMINE QUANTITY AND DIMENSIONS 10/1/1998 2) BEGIN FABRICATION 12/1/1998 3) INSTALL 3/1/1999.	INSTALL DRIP TRAYS BETWEEN ANODIZING PROCESS TANKS	AZ PLATING & ANODIZING CO	200062	12
NICKEL COMPOUNDS - LIQUID	REDUCE DRAG OUT AND DRAG IN DURING LOAD TRANSFER 1) COMPLETE EVALUATION 1/1/1999 2) PURCHASE EQUIPMENT AND MATERIAL 4/1/1999 3) IMPLEMENT NEW LAYOUT 7/1/1999.	MODIFY TANK LAYOUT IN ANODIZING AREA	AZ PLATING & ANODIZING CO	200062	13

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
NICKEL	REDUCE HAZARDOUS WASTE GENERATION AND RAW MATERIAL CONSUMPTION.	SWITCH TO PURER ANODES FOR NICKEL PLATING	AZ PLATING & ANODIZING CO	200062	15
NICKEL	REDUCE DRAG-OUT FROM ONE PLATING TANK TO ANOTHER. **DROPPED**.	IDENTIFY AND DETERMINE SOURCES OF NEW OR MODIFIED PLATING RACK SYSTEMS.	AZ PLATING & ANODIZING CO	200062	3
NICKEL CHL	REDUCE DRAG-OUT FROM ONE PLATING TANK TO ANOTHER. **DROPPED**.	IDENTIFY AND DETERMINE SOURCES OF NEW OR MODIFIED PLATING RACK SYSTEMS.	AZ PLATING & ANODIZING CO	200062	3
NICKEL SULFATE	REDUCE DRAG-OUT FROM ONE PLATING TANK TO ANOTHER. **DROPPED**.	IDENTIFY AND DETERMINE SOURCES OF NEW OR MODIFIED PLATING RACK SYSTEMS.	AZ PLATING & ANODIZING CO	200062	3
NICKEL	ELIMINATE THE NICKEL ACETATE SEAL IN THE ANODIZING PROCESS. *DROPPED*.	REPLACE WITH BOILING DEIONIZED WATER.	AZ PLATING & ANODIZING CO	200062	5
NICKEL CHLORIDE	ELIMINATE THE NICKEL CHLORIDE BATH ON THE STEEL PLATING LINE.	REPLACE WITH NON-HEAVY METAL BASED PROPRIETARY SOLUTION.	AZ PLATING & ANODIZING CO	200062	6
NICKEL	REDUCE NICKEL WASTE GENERATION IN NICKEL PLATING ION EXCHANGE SYSTEMS. ELECTROLYTIC PLATING RESULTS IN A WASTE GENERATED FROM THE EVAPORATION OF NICKEL CONTAINING WASTE WATER AND FROM ION EXCHANGE CYLINDERS USED TO REMOVE NICKEL AND OTHER CONTAMINANTS FROM THE PLATING RINSE TANKS.	(1) RESEARCH AND DEVELOPMENT: (A) HIRE A CONSULTANT TO EVALUATE PROCESS FOR MAXIMUM EFFICIENCY, (B) IDENTIFY AND PURCHASE ADDITIONAL CONTROL/MONITORING TOOLS TO MAXIMIZE ION EXCHANGE CYLINDER LIFE, (C) EVALUATE POSSIBLE ON-SITE RE-GENERATION OF ION EXCHANGE CYLINDERS ON REDUCING HAZARDOUS WASTE GENERATION.	BRUSH CERAMIC PRODUCTS	200075	8
NICKEL	REDUCE THE HAZARDOUS WASTE WATER VOLUME FROM POWDER COATING METALLURGY PRODUCTS WHERE NON-HAZARDOUS AND HAZARDOUS (FROM THE NICKEL PLATING OPERATION) WASTE WATER IS COMINGLED.	RESEARCH AND DEVELOP METHODS OF SEGREGATION AND RECYCLING: (A) DEVELOP A SEGREGATION STRATEGY FOR THE TWO WASTE WATER STREAMS, (B) DEVELOP WASTE WATER TREATMENT METHOD AND IDENTIFY EQUIPMENT NEEDED FOR COPPER TUNGSTEN WASTE WATER TREATMENT (SUBMIT EXPENSE PLAN TO CORPORATE FOR MONEY ALLOCATION) (C) COLLECT COPPER TUNGSTEN SLUDGE FROM WASTE WATER AND INCLUDE ON RECYCLING GOAL (SEE GOAL #7)	BRUSH CERAMIC PRODUCTS	200075	9
NICKEL COMPOUNDS	REDUCE THE AMOUNT OF F006 NICKEL SLUDGE GENERATED FROM THE NICKEL ACETATE SEAL IN THE ANODIZE DEPT.	BY INSTALLING A FILTRATION UNIT TO THE TANK.	CHEM RESEARCH CO	200085	4
NICKEL	REDUCE FUGITIVE EMISSIONS OF ALUMINUM OXIDE (PM10) DUST.	INSTALL A SECONDARY FILTRATION UNIT ON GRIT BLASTER EXHAUSTS.	CHROMIZING ARIZONA	200095	1
NICKEL	REMOVE METAL CONTAINING FUMES FROM EXHAUST (IE. NICKEL, COBALT, AND CHROMIUM) EMISSIONS.	PURCHASE AND INSTALL POLLUTION CONTROL EQUIPMENT (IE. ELECTROSTATIC PRECIPITATOR).	CHROMIZING ARIZONA	200095	2
NICKEL	RECOVER THE NICKEL AND CHROMIUM FROM METAL GRINDING SLUDGE AND THUS REDUCE THE WASTE STREAM.	FIND A METAL RECYCLER INTERESTED IN THIS WASTE STREAM	GOODRICH TURBOMACHINERY PRODUCTS	200434	5
NICKEL	RECYCLE NICKEL.	REPLACE CHLORINATED DILUENT WITH NOON-HAZARDOUS DILUENT IN MASKANT. RESEARCH NICKEL RECYCLERS. IF ANALYSIS OF RESULTING WASTE PRODUCT IS NON-HAZARDOUS, THEN PRODUCT CAN BE SOLD TO RECYCLING CO. FOR NICKEL CONTENT.	GOODRICH TURBOMACHINERY PRODUCTS	200434	9
NICKEL	ELIMINATE POTENTIAL FOR TOXIC SUBSTANCES IN STORMWATER DISCHARGES TO ENTER THE ENVIRONMENT THROUGH DRY WELL LOCATED IN THE LOADING DOCK BY 6/1998.	ELIMINATE DRY WELL (BMP FOR STORMWATER DISCHARGE)	HERAEUS INC.--MATERIALS TECH. DIVISION	200171	2
NICKEL	REDUCE PLATING SOLUTION LOSS DUE TO DRAG OUT OR EMISSIONS 1) INVESTIGATE USE OF ALTERNATIVE TECHNOLOGIES IDENTIFIED BY 10/1/1998 2) CONTACT INDUSTRIES INVOLVED IN AND EXPERIENCED WITH TECHNOLOGIES BY 11/1/1998 3) INSTALL SELECTED TECHNOLOGIES 1/1/2000 4) EVALUATE COSTS AND EFFICIENCIES OF OPERATION 1/1/2001	USE OF WETTING AGENTS, FOAM SUPPRESSANTS, PLASTIC BALLS TO REDUCE EVAPORATION LOSS, USE OF MODIFIED PART RACKS AND RACKING METHODS TO REDUCE DRAG OUT, USE OF POLLUTION CONTROL DEVICE TO RENDER EMISSIONS NON-HAZARDOUS TO THE ATMOSPHERE	HI-TECH PLATING INC.	200175	3
NICKEL SLUDGE	REDUCE 50% OF THE GENERATION OF NICKEL WASTE SLUDGE FORMED FROM PRECIPITATION WITH FERRIC CHLORIDE. THE FERRIC CHLORIDE CONTRIBUTES TO A SUBSTANTIAL PORTION OF THE SLUDGE PRODUCED.	SUBSTITUTE ANOTHER METAL REDUCING AGENT AND FLOCULANT INSTEAD OF USING FERRIC CHLORIDE.	MEDTRONIC, TEMPE	200240	2
NICKEL	REDUCE THE AMOUNT OF ELECTROLESS NICKEL USED.	INSTALL A DIALYSIS FILTRATION UNIT ON SPENT ELECTROLESS NICKEL SOLUTIONS	METCO METAL FINISHING - PHOENIX	200451	13
NICKEL	REDUCE ELECTROLESS NICKEL DRAG OUT TO WASTE TREATMENT - CUT BACK ON NICKEL IN WASTE STREAM	ADD A SPRAY RINSE ABOVE THE ELECTROLESS NICKEL PROCESS TANK DECREASING METALS TO EFFLUENT BT 25%	METCO METAL FINISHING - PHOENIX	200451	4
NICKEL	REDUCE AMT METALS TO WASTE TREATMENT SYSTEM REDUCE CONTAMINATION IN PROCESS TANKS ** GOAL DROPPED **	ADD AIR AGITATION TO ALL RINSE TANKS (ZINC, TIN, AND NICKEL PROCESS LINES) SOME PROBLEMS WITH PARTICULATE CONTAMINATING PARTS.	METCO METAL FINISHING - PHOENIX	200451	8
NICKEL	REDUCE RAW MATERIAL LOSS DURING STORAGE AND TRANSFER 1) DEVELOP MANAGEMENT PROCEDURES FOR EACH TYPE OF RAW MATERIAL (LOOSE, PALLETED, SCRAP, ETC) 12/31/2000 2) DEVELOP MATERIAL LOADING PROCEDURES 6/30/2000 3) TRAIN EMPLOYEES 12/31/2001.	DEVELOP MANAGEMENT PRACTICES	NORTH STAR STEEL ARIZONA	200615	11
NICKEL	REDUCE NICKEL AND WATER USED IN RINSE TANK	RELOCATE AND REALIGN NICKEL TANKS WITH DRAG-OUT RINSE TANK	PETE'S CUSTOM POLISHING & PLATING	200528	4

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
NICKEL	REDUCE THE GENERATION OF SPENT FILTERS	EVALUATE THE POTENTIAL FOR EXTENDING THE TIME BETWEEN FILTER CHANGE OUTS WITHOUT IMPACTING PROCESS QUALITY. MODIFY PREVENTIVE MAINTENANCE SCHEDULE	QUICK TURN CIRCUITS, INC.	200596	8
NICKEL	DEMAND HIGHEST QUALITY OF MATERIALS FROM OUR VENDORS.	CHANGED STAINLESS STEEL & ALUMINUM SUPPLIERS. RETURNED DEFECTIVE MATERIALS FOR REPLACEMENT.	RANDELL REFRIGERATION	200616	1
NICKEL	REDUCE DROPS AND SCRAP BY CONFIGURING MATERIAL PROCESSED BY METAL CUTTING AND FORMING EQUIPMENT TO ENSURE OPTIMUM UTILIZATION.	REDUCED MATERIAL CONTENT AND COMPLEXITY THROUGH R& D. NESTING OF PARTS THROUGH TURRET PUNCH.	RANDELL REFRIGERATION	200616	2
NICKEL	REDUCE THE VOLUME AND COST OF WASTE TREATMENT AND SLUDGE DISPOSAL BY 20% OF F006 SPRAY DRIED POWDER AND FILTER CAKE FROM MIXING LARGE AMOUNTS OF WASTE WATER AND SMALL AMOUNTS OF METALS.	USE A NEW SELECTIVE CHELATING ION EXCHANGE SYSTEM TO TREAT THE NEW 2ND STAGE REVERSE OSMOSIS EFFLUENT TO BELOW PIMA COUNTY POTW RELEASE LIMITS. CONCENTRATED ACID AND ALKALINE SOLUTIONS ARE BLENDED AND PRETREATED WITH SODIUM HYDROSULFITE INSTEAD OF SO2 AND NaOH.	RAYTHEON COMPANY USAF PLANT 44	200184	43
NICKEL	REDUCE NICKEL PLATING RINSE WATER EFFLUENT FROM 82 GAL/HR TO 50 GAL/HR BASED ON A 2000 HR WORK YEAR	ACCUMULATE SPRAY RINSE EFFLUENT AND PUMP IT TO UPSTREAM TANKS (CASCADE TANK) REUSE CASCADE RINSE IN DRAG-OUT TANK THEN SHUT OFF DI FRESH WATER TO CASCADE	ROGERS CORP-PDD (MESA)	200324	1
NICKEL	IMPLEMENT ANODIC PASSIVATION ON THE IMMERSION GOLD LINE TO REDUCE NICKEL CHEMISTRY USAGE.	BY REDUCING ANODIC PASSIVATION.	SANMINA - SCI	200669	55
NICKEL / CARDBOARD	GENERIC POLLUTION PREVENTION THROUGH GOOD OPERATING PRACTICES FOR (1) METALS, (2) CARDBOARD	WASTE SEGREGATION; TRAINING AND AWARENESS PROGRAMS; WASTE METAL SEGREGATED INTO BINS (STAINLESS STEEL, ALUMINUM, OR TITANIUM); NO TURNINGS OR SCRAP SENT TO LANDFILL; 30 YD COMPACTOR INSTALLED TO CRUSH CARDBOARD BOXES TO RECYCLE	STURM RUGER AND COMPANY, INC.	200362	10
NICKEL CADMIUM	REDUCE WASTE GENERATED AS USED BATTERIES (LEAD ACID, NICKEL/CADMIUM, LITHIUM, AND MERCURY) - STOP ACID NEUTRALIZATION	IMPLEMENT CONTRACTS FOR BATTERY RECYCLING	U.S.A.F. - LUKE	200409	5
NICKEL	ELECTROPLATING/ STRIPPING/ WASTE WATER TREATMENT: REDUCE CHROME AND NICKEL WASTE FROM WASTE WATER (8.1.1).	PURCHASE CHROME AND/OR NICKEL WASTE REDUCTION EQUIPMENT BY END OF 1993.	WEISER LOCK COMPANY	200435	1
NICKEL COMPOUNDS	RECLAIM REUSE NICKEL FROM PLATING RINSE *DROPPED* THIS WAS ORIGINAL GOAL 1. PROGRESS REPORT STATED THAT THIS GOAL IS RESTATED IN AMENDMENT FOR 1999.	PURCHASE NICKEL ION EXCHANGE EQUIPMENT TO REDUCE NICKEL CONCENTRATION IN PLATING WASTE WATER AND TREATMENT SLUDGE.	WEISER LOCK COMPANY	200435	8
NICKEL	REDUCE NICKEL FROM PLATING WASTES. NOTE: THIS GOAL WAS REWRITTEN FROM PREVIOUS GOAL #8 THAT WAS DROPPED.	PURCHASE NICKEL ION EXCHANGE EQUIPMENT TO REDUCE NICKEL CONCENTRATIONS IN THE PLATING WASTE WATER.	WEISER LOCK COMPANY	200435	9
NITRATE COMPOUNDS	REDUCE NITRIC ACID TREATED AND NITRATE COMPOUNDS CREATED FROM NITRIC ACID SPILLS BY 10%. 1) TRACK SPILLS USING THE SPILL REPORTS, 2) IDENTIFY THE MAIN CAUSE OF NITRIC SPILLS.	RESEARCH VIABLE OPTIONS TO REDUCE SPILLS. IMPLEMENT THE NEEDED MODIFICATIONS TO THE SYSTEM, SUCH AS LEVEL CONTROLS AND ALARMS, AUTOMATIC SHUT OFF VALVES, ETC. IN ORDER TO REDUCE SPILLS.	ARCH CHEMICALS, INC.	200608	11
NITRATE COMPOUNDS	NITRIC ACID WASTE STREAMS ALSO COME FROM FROM TANK RINSING AND THE ACID MUST BE TREATED IN THE ON-SITE WASTE TREATMENT SYSTEM WHERE NITRATE COMPOUNDS ARE ALSO CREATED. REDUCE USE OF NITRIC ACID TREATED AND NITRATE COMPOUNDS CREATED DURING CONTAINER RINSING OPERATIONS BY 10%. 1) RESEARCH OPTIONS TO MAXIMIZE REDUCTIONS, 2) IMPLEMENT BEST ALTERNATIVES. NOTE: REDUCTION AMOUNTS COMBINED WITH GOAL #1.	(1) EVALUATE INSTALLING LARGER AND DEDICATED TANKS IN THE PROCESS AREA FOR THE BLEND PRODUCTS CONTAINING NITRIC ACID. (2) IMPLEMENTED PROCEDURES TO IMPROVE TANK DRAINING PRIOR TO RINSING.	ARCH CHEMICALS, INC.	200608	2
NITRATE COMPOUNDS	REDUCE THE AMOUNT OF NITRATE COMPOUNDS MANUFACTURED BY THE NEUTRALIZATION OF NITRIC ACID.	BY EXTENDING THE LIFE OF THE NITRIC/HYDROFLUORIC TANKS BY ADDING POTASSIUM FLUORIDE AT THE MIDPOINT OF THE BATH LIFE, THEREBY REDUCING THE NUMBER OF BATH CHANGES.	CHEM RESEARCH CO	200085	21
NITRIC ACID	ELIMINATE POTENTIAL OF NITRATE CONTAMINATED SOILS DUE TO LEAKS AND SPILLS.	CONCRETE ENTIRE PLANT PROCESS AREA. UPGRADE FURTHER IN HIGH PROBABILITY AREAS BY INSTALLING STAINLESS STEEL.	APACHE NITROGEN PRODUCTS, INC.	200038	14
NITRIC ACID	ELIMINATE THE POSSIBILITY OF NITRIC ACID GETTING INTO STORM WATER RUNOFF BY UPGRADING THE HIGH PROBABILITY AREAS WITH STAINLESS STEEL CONTAINMENT.	IMPLEMENT A STRONG MONITORING PROGRAM FOR INSPECTING PROCESS AREAS TO FOCUS ATTENTION ON PREVENTION OF SPILLS AND LEAKS.	APACHE NITROGEN PRODUCTS, INC.	200038	15
NITRIC ACID	REDUCE POTENTIAL SPILLS AND LEAKS OF NITRIC ACID AND AMMONIA. CREATE A PROGRAM TAILORED TO THE NEEDS OF REDUCING POTENTIAL LEAKS AND SPILLS IN THE PROCESS AREA. WITH THE USE OF INSPECTION FORMS, OPERATORS AND SUPERINTENDENTS WILL BECOME MORE FAMILIAR WITH IDENTIFYING POTENTIAL LEAKS AND SPILLS.	IMPLEMENT A STRONG MONITORING PROGRAM FOR INSPECTING PROCESS AREAS TO FOCUS ATTENTION ON PREVENTION AND LEAKS.	APACHE NITROGEN PRODUCTS, INC.	200038	16

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
NITRIC ACID	NITRIC ACID WASTE STREAMS COME MAINLY FROM FROM RETURNABLE CONTAINER RINSING AND THE ACID MUST BE TREATED IN THE ON-SITE WASTE TREATMENT SYSTEM WHERE NITRATE COMPOUNDS ARE ALSO CREATED. REDUCE USE OF NITRIC ACID TREATED AND NITRATE COMPOUNDS CREATED DURING CONTAINER RINSING OPERATIONS BY 25%.	(1) COLLECT ALL STRAIGHT NITRIC ACID FROM THE RETURNABLE CONTAINER IN AN ENGINEERED COLLECTION SYSTEM PRIOR TO RINSING. THE STRAIGHT MATERIAL COLLECTED WILL BE REUSED OR SOLD TO SECONDARY MARKETS. (2) IMPLEMENTED SOURCE REDUCTION PROJECTS TO COLLECT AND REPROCESS ACID BLENDS WHICH CONTAIN NITRIC ACID.	ARCH CHEMICALS, INC.	200608	1
NITRIC ACID	REDUCE NITRIC ACID TREATED AND NITRATE COMPOUNDS CREATED FROM NITRIC ACID SPILLS BY 10%. 1) TRACK SPILLS USING THE SPILL REPORTS, 2) IDENTIFY THE MAIN CAUSE OF NITRIC SPILLS.	RESEARCH VIABLE OPTIONS TO REDUCE SPILLS. IMPLEMENT THE NEEDED MODIFICATIONS TO THE SYSTEM, SUCH AS LEVEL CONTROLS AND ALARMS, AUTOMATIC SHUT OFF VALVES, ETC. IN ORDER TO REDUCE SPILLS.	ARCH CHEMICALS, INC.	200608	11
NITRIC ACID	NITRIC ACID WASTE STREAMS ALSO COME FROM FROM TANK RINSING AND THE ACID MUST BE TREATED IN THE ON-SITE WASTE TREATMENT SYSTEM WHERE NITRATE COMPOUNDS ARE ALSO CREATED. REDUCE USE OF NITRIC ACID TREATED AND NITRATE COMPOUNDS CREATED DURING CONTAINER RINSING OPERATIONS BY 10%. 1) RESEARCH OPTIONS TO MAXIMIZE REDUCTIONS, 2) IMPLEMENT BEST ALTERNATIVES. NOTE: REDUCTION AMOUNTS COMBINED WITH GOAL #1.	(1) EVALUATE INSTALLING LARGER AND DEDICATED TANKS IN THE PROCESS AREA FOR THE BLEND PRODUCTS CONTAINING NITRIC ACID. (2) IMPLEMENTED PROCEDURES TO IMPROVE TANK DRAINING PRIOR TO RINSING.	ARCH CHEMICALS, INC.	200608	2
NITRIC ACID	EVALUATE THE FEASIBILITY OF REDUCING THE AMOUNT OF NITRIC ACID USED IN THE SPECIAL PROCESS DEPT.	BY REPLACING THE MAKE-UP CONCENTRATIONS OF NITRIC ACID WITH AN ALTERNATIVE CHEMISTRY THAT WOULD REDUCE OR REPLACE THE AMOUNT NEEDED.	CHEM RESEARCH CO	200085	10
NITRIC ACID	REDUCE THE AMOUNT OF NITRIC ACID USED IN THE ALUMINUM PRE-PLATE PROCESS LINES (PER TRI FORM R USAGE AMOUNTS).	BY EXTENDING THE LIFE OF THE NITRIC/HYDROFLUORIC TANK CHEMICALS BY ADDING POTASSIUM FLUORIDE AT THE MIDPOINT OF THE BATH LIFE, THEREBY REDUCING THE NUMBER OF BATH CHANGES.	CHEM RESEARCH CO	200085	18
NITRIC ACID	EXTEND THE LIFE OF NITRIC & HYDROFLUORIC ACID USED IN THE SPECIAL PROCESS BY ADDING POTASSIUM FLUORIDE SALTS	AFTER PROCESSING 3,600ft2 OF ALUMINUM THRU THE NITRIC & HYDROFLUORIC ACID SOLUTION, ADD 5 LBS OF POTASSIUM FLUORIDE SALTS.	CHEM RESEARCH CO	200085	2
NITRIC ACID	REDUCE THE USE OF NITRIC ACID BY 25%	REFORMULATE ACID STRIPPING SOLUTIONS AND MORE CAREFULLY MONITOR STRENGTH/ CONTAMINATION LEVEL TO PROLONG USE AND MINIMIZE PREMATURE DISPOSAL.	CHROMIZING ARIZONA	200095	17
NITRIC ACID	REDUCE NITRIC ACID WASTE, CREATED BY RINSING "FILTER HOUSING" DURING FILTER REMOVAL, BY 5%. INCREASE TRAINING ON SOURCE REDUCTION.	MODIFY PLUMBING TO FACILITATE RINSING THE FILTER ELEMENT AND MINIMAL PLUMBING.	GEM MICROELECTRONIC MATERIALS (FKA HONEYWELL SPEC CHEM)	200600	1
NITRIC ACID	REDUCE NITRIC ACID WASTE CREATED BY RINSING "MIX TANKS" BY 5%. INCREASE TRAINING ON SOURCE REDUCTION.	REPLACE EXISTING 600 GALLON TANKS WITH ~2000 GALLON TANKS.	GEM MICROELECTRONIC MATERIALS (FKA HONEYWELL SPEC CHEM)	200600	2
NITRIC ACID	REDUCE NITRIC ACID WASTE, CREATED BY RINSING MIX TANKS BETWEEN DISSIMILAR CHEMICALS, BY 5%. INCREASE TRAINING ON SOURCE REDUCTION.	INSTALL ADDITIONAL DEDICATED TANKS FOR DISSIMILAR CHEMICALS.	GEM MICROELECTRONIC MATERIALS (FKA HONEYWELL SPEC CHEM)	200600	3
NITRIC ACID	REDUCE THE AMOUNT OF NITRIC ACID WASTE GENERATED FROM SURFACE ACTIVATOR AND/OR ZINCATE STRIP SOLUTIONS.	RE-USE SPENT NITRIC ACID SURFACE ACTIVATION AND ZINCATE STRIP SOLUTIONS TO BUILD/MAKE-UP GENERAL PURPOSE AND SILVER STRIP NITRIC SOLUTIONS.	GOLD TECH INDUSTRIES	200607	6
NITRIC OXIDE	DECREASE THE USE OF SINGLE OPERATOR MOTOR VEHICLES AS MEASURED BY THE MARICOPA COUNTY TRIP REDUCTION PROGRAM.	INCREASE EMPLOYEE EDUCATION; OFFER TRIP REDUCTION INCENTIVES; CARPOOL MATCHING.	INTEL CORP.- CHANDLER CAMPUS	200191	22
NITRIC ACID	REDUCE NITRIC ACID USAGE/WASTE BY 95%.	THROUGH MANUFACTURING CHANGES WE WILL BE ABLE TO REDUCE THE NEED FOR THE CLEANING PROCESS WHICH REQUIRES THE USE OF NITRIC ACID.	JOHNS MANVILLE INTERNATIONAL INC.	200227	16
NITRIC ACID	ELIMINATE THE USE OF A SULFURIC/NITRIC ACID MIXTURE USED TO CLEAN AND MACHINE METAL CHIPS	REDUCE PROCESSING TIME; REPLACE WITH A STRAIGHT 70% NITRIC ACID	JOHNS MANVILLE INTERNATIONAL INC.	200227	6
NITRIC ACID	AMENDMENT 1 - PROCESS MODIFICATIONS AND METHODS TO MINIMIZE THE USAGE OF PROCESS CHEMICALS	IMPLEMENT A DRAGOUT REDUCTION PILOT PROGRAM PROGRAM ON NITRIC ACID TANK PSO4. USE A DRAIN BOARD. MONITOR NITRIC USAGE FOR PS04. IMPLEMENT FOR THREE OTHER PROCESS TANKS.	KACHINA AEROSPACE & SEMICONDUCTOR	200203	19
NITRIC ACID	REDUCE THE AMOUNT OF NITRIC ACID SENT TO THE TREATMENT FACILITY	PURCHASE AND INSTALL A NEW RACK/TANK STRIP THAT USES LESS TOXIC MATERIAL.	METCO METAL FINISHING - PHOENIX	200451	15
NITRIC ACID	ELIMINATE THE USE OF NITRIC ACID USED IN QUARTZCLEAN PROCESS FOR POLYSILICON AND SILICON NITRIDE QUARTZWARE AND REDUCE PROCESS PARTICULATE CONTAMINATION AT THE CHANDLER FACILITY	REMOVE NITRIC ACID CLEANING STAGE BEFORE DISPOSING OF NON-HAZARDOUS QUARTZWARE.	MICROCHIP TECHNOLOGY-CHANDLER	200247	22
NITRIC ACID	REDUCE NITRIC ACID CONSUMPTION IN THE CLEANS TEST WAFER BY APPROXIMATELY 35%.	EXTEND NITRIC ACID BATH LIFE FROM 12 HOURS TO 24 HOURS BY PERIODICALLY SPIKING THE BATH WITH A MINUTE AMOUNT OF HYDROFLUORIC ACID, THE LIMITING REAGENT FOR THIS PROCESS, OVER A 24 HOUR PERIOD.	MOTOROLA - CHANDLER	200254	16
NITRIC ACID	REDUCE THE ACIDS USED IN THE WET ACID ETCH PROCESS	REPLACE EXISTING WET ACID ETCH PROCESS WITH A DRY ETCH PROCESS	MOTOROLA SCG	200253	22

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
NITRIC ACID	REDUCE THE AMOUNT OF ACID BATH USED TO CLEAN THE SILICON INGOTS.	USE ANOTHER CLEANING BATH WITHIN THE PLANT THAT IS UNDERUTILIZED	MOTOROLA SCG	200253	24
NITRIC ACID	RF-2000-3-REDUCE NITRIC ACID USE IN THE RF1 PROCESS WHICH USES HEATED NITRIC ACID IN A OPEN 5 GALLON TANK FOR ETCHING UP TO 24 WAFERS AT A TIME.	REDUCE THE FREQUENCY OF NITRIC ACID BATH CHANGES. ACTION PLAN: (1) EXTEND BATH CHANGE FREQUENCY, (2) CONDUCT EXPERIMENTS ON TEST WAFERS AND PRODUCT, (3) QUALIFY PRODUCT FOR CUSTOMERS, (4) CONVERT TO NEW BATH CHANGE FREQUENCY.	MOTOROLA SCG (RFI OPERATION)	200727	3
NITRIC ACID	REDUCE THE AMOUNT OF CERIC AMMONIUM NITRATE SOLUTION DISPOSED OF WHEN ETCHING PATTERNED METAL.	USE PREPACKAGED CERIC AMMONIUM NITRATE; REPLACE WITH A PRE-MIXED ETCH SOLUTION.	MOTOROLA SCG	200253	5
NITRIC ACID	REDUCE THE USE OF ACIDS USED IN THE ELECTROPLATING PROCESS.	BY EVAPORATING THE STATIC TANK, REUSING THE DRAG-OUT MATERIAL AND KEEPING THE NITRIC ACID BATH CLEANER, THUS REQUIRING FEWER, TANK CHANGES	PHOENIX HEAT TREATING INC	200283	1
NITRIC ACID	PLATING WASTE ABATEMENT: REDUCE COPPER BATH WASTE STREAM BY 1400 GALLONS	INSTALL A BATCH TREATMENT SYSTEM WITH ACTIVATED CARBON TO ABSORB THE ORGANIC COMPOUNDS IN THE ACID CU PLATING BATH INSTALLED SMALLER MORE EFFICIENT CARBON FILTER SYS.	RAYTHEON COMPANY USAF PLANT 44	200184	6
NITRIC ACID	REDUCE THE USE OF NITRIC ACID.	WORK TOWARD OBTAINING LONGER WINDOWS OF DOWNTIME TO REDUCE THE AMOUNT OF CHEMICAL NEEDED TO SANITIZE PROCESS LINES.	RECOT INC. DBA FRITO-LAY	200142	1
NITRIC ACID	REDUCE THE AMOUNT OF CHEMICALS USED IN THE RECEIVING AREA PIPE CLEANING SYSTEM: CLEAN IN PLACE (CIP)	REPLACE THE CAUSTIC WASH SOLUTION WITH AN ENZYMATIC CLEANER	SCHREIBER FOODS, INC.	200529	11
NITRIC ACID	REDUCE POTENTIAL FOR ACCIDENT IN CHEMICAL RECEIVING AREA.	INSTITUTE A RECEIVING AREA SOP, REDUCE THE NUMBER OF DELIVERING COMPANIES, AND TRAIN EMPLOYEES	SCHREIBER FOODS, INC.	200529	13
NITRIC ACID	REDUCE CHEMICAL EVAPORATION OF BLENDED ACID USED FOR PROCESS CLEANING.	INSTALL TANK INSULATION TO REDUCE EVAPORATION	SCHREIBER FOODS, INC.	200529	16
NITRIC ACID	REDUCE THE FREQUENCY OF NICKEL SILVER ETCH CHEMICAL BATH CHANGES BY INCORPORATING A SURFACTANT INTO THE ETCH CHEMICAL.	INCORPORATE A SURFACTANT INTO THE ETCH CHEMICAL 1) EXPERIMENT WITH SURFACTANT AND BATH CHANGE FREQUENCY 2) EXTEND BATH CHANGE FREQUENCY 3) CONDUCT EXPERIMENTS ON TEST WAFERS AND PRODUCT 4) QUALIFY PRODUCT FOR CUSTOMERS 5) CONVERT TO NEW PROCESS.	SCI,L.L.C (ON SEMICONDUCTOR)	200726	3
NITRIC ACID	REDUCE THE GENERATION OF SOLDER STRIP WASTE.	RE-ROUTE SOLUTION BLEED LINE TO METAL BEARING DRAIN. MONITOR WASTE TREATMENT FOR ADVERSE IMPACT.	SOUTHBAY CIRCUITS, INC.	200586	10
NITRIC ACID	ELIMINATE THE USE OF NITRIC ACID (BATH AND RESULTANT COPPER HYDROXIDE F006 SLUDGE) TO STRIP "PLATED ON COPPER" FROM THE CIRCUIT BOARD COPPER PLATING RACKS PLATING OPERATIONS	REPLACE NITRIC ACID BY AN ELECTROWINNING PROCESS WHICH PRODUCES A RECLAIMED COPPER SHEET ** GOAL DROPPED **	SOUTHWEST CIRCUITS INC.	200343	1
NITRIC ACID	REDUCTION OF WASTE ACIDS AND BASES GENERATED FROM THE CHEMICAL MILLING AND BLUING AREAS	SPENT ACIDS (NITRIC AND HYDROCHLORIC) WERE TREATED BY ELEMENTARY NEUTRALIZATION USING SPENT NAOH FROM OTHER MANUFACTURING OPERATIONS IN AN ON-SITE SYSTEM	STURM RUGER AND COMPANY, INC.	200362	3
NITRIC/HYDROCHLORIC ACID	RECYCLE OR REDUCE THE USE OF ACIDS AND BASES GENERATED IN THE METAL MILLING, BLUING AND CLEANING OPERATIONS	BOTH ACIDS AND BASES WERE GENERATED FROM SEPERATE SO WE USED THEM TO PERFORM ELEMENTARY NEUTRALIZATION ON-SITE	STURM RUGER AND COMPANY, INC.	200362	5
NITRIC ACID	REDUCE THE PURCHASE OF SODIUM HYDROXIDE AND OF NITRIC ACID	REUSE CHEMICALS UNTIL POTENCY DIMINISHES AT WHICH TIME ACID AND CAUSTIC WILL BE COMBINED FOR NEUTRALIZATION	UNITED DAIRYMEN OF ARIZONA	200416	3
NITRIC ACID	REDUCTION IN USAGE OF CLEANING CHEMICALS (PHOSPHORIC AND NITRIC ACID) **GOAL DROPPED**	INSTALL CERAMIC MEMBRANE RECOVERY SYSTEM FOR CAUSTIC AND ACID WASH SOLUTION **GOAL DROPPED**	UNITED DAIRYMEN OF ARIZONA	200416	4
NITRIC ACID	MAINTAIN CORROSIVE REPACK - MISC. WASTES BELOW 1000 LBS	DEVELOP WRITTEN OPERATING PROCEDURES, CREATE RECIPE SHEETS FOR CURRENT BLENDS.	UNIVAR USA, INC.	200426	11
NITRIC ACID	REDUCE FUGITIVE EMISSIONS IN THE LABORATORY AREA AND REDUCE USE OF ANALYTICAL LAB CHEMICALS	EVALUATE ALTERNATIVE CHEM. REAGENTS; COMBINE ANALYTICAL PROCEDURES INTO GROUPS; REDUCE REAGENTS IN ION CHROMATOGRAPHY ANALYSIS BY TESTING EACH SAMPLE ONLY ONCE; REDUCE REAGENTS IN CYANIDE SCREENING PROCEDURE BY USING HALF OF THE SULFURIC ACID AND WATER	WORLD RESOURCES COMPANY	200440	7
NITROGEN OXIDES	INVESTIGATE TO DETERMINE IF ALTERNATE ENERGY SOURCES (COGENERATION) CAN RESULT IN LOWER EMISSIONS OF NOX, SOX, CO2.	REPLACE SELF-GENERATED AND PURCHASED UTILITIES (STEAM, HOT WATER, ELECTRICITY) WITH UTILITIES GENERATED FROM A COGENERATION FACILITY WHICH WILL HAVE A BETTER EFFICIENCY.	ABBOTT LABORATORIES	200326	11
NITROGEN DIOXIDE	REDUCE NITROGEN OXIDE EMISSIONS FROM GROUND SERVICE EQUIPMENT.	SUBSTITUTE THREE CURRENT COMPRESSION ENGINE VEHICLES WITH THREE ALL-ELECTRIC GROUND SERVICE EQUIPMENT VEHICLES.	AMERICA WEST AIRLINES	200028	10
NITROGEN OXIDE	REDUCE COMBUSTION BYPRODUCTS BY 10% (VOCS, NOXS AND CO) BY REDUCING NATURAL GAS USAGE.	FABRICATE, INSTALL AND TEST A CONVERTER MOUTH COVER. THE COVER WILL SEAL THE CONVERTER MOUTH DURING HOLDING TIMES.	ASARCO RAY COMPLEX/HAYDEN SMELTER & CONCENTRATOR	200046	10

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
NITROGEN OXIDES	FURTHER REDUCE STACK EMISSIONS TO THE ATMOSPHERE FROM THE SCRUBBER/ BAGHOUSE CONTROL SYSTEM	TEST REDUCTION OPPORTUNITIES DURING ANNUAL STACK TESTING PROCEDURE	BFI MEDICAL WASTE OF ARIZONA	200517	2
NITROGEN DIOXIDE	DECREASE THE USE OF SINGLE OPERATOR MOTOR VEHICLES AS MEASURED BY THE MARICOPA COUNTY TRIP REDUCTION PROGRAM.	INCREASE EMPLOYEE EDUCATION; OFFER TRIP REDUCTION INCENTIVES; CARPOOL MATCHING.	INTEL CORP.- CHANDLER CAMPUS	200191	22
NITROGEN OXIDES	REDUCE THE AMOUNT OF NOX AND CO EMISSIONS BY 25% OVER THE FIRST SIX MONTHS OF 2001.	SHUTDOWN THE THERMAL OXIDIZERS BY JULY 15, 2001. THIS WILL REDUCE THE SITES CO AND NOX EMISSIONS. THE SITE IS WELL BELOW THE REGULATORY THRESHOLD THAT REQUIRES VOC ABATEMENTS	MOTOROLA - RESEARCH DIV	200609	11
NITROGEN TRIFLUORIDE	(MEMS1 PROJ. #M5) REDUCE AMOUNT OF NITROGEN TRIFLUORIDE USED PER WAFER IN PHOTORESIST STRIPPING PROCESSES BY INCREASING THE BATH TEMPERATURE, THEREBY REDUCING THE AMOUNT OF TIME WAFERS ARE EXPOSED TO NITROGEN TRIFLUORIDE. NOTE: THE PRODUCTION GROUP (PREVIOUSLY CALLED MEMS1, NOW CALLED MOS5 WEST) IS MOVING TO ANOTHER MOTOROLA FACILITY.	USING TEST WAFERS, VARY THE AMOUNT OF TIME NITROGEN TRIFLUORIDE FLOWS INTO THE CHAMBER(CHANGES TO FLOW RATE MAY ALSO BE TESTED). EVALUATE THE QUALITY OF THE TEST WAFERS PROCESSED USING THE LOWER FLOW TIME. DESIGN AND INSTALL ANY EQUIPMENT MODIFICATIONS NEEDED. CONDUCT EXPERIMENTS ON PRODUCT. QUALIFY PRODUCT FOR CUSTOMERS. CONVERT TO NEW ETCHING PROCESS.	MOTOROLA SCG	200253	41
NITROGEN OXIDES	(11.1): REDUCE NATURAL GAS CONSUMPTION BY 30% AND COMBUSTION BYPRODUCTS (NOx AND CO) BY 30%	OPTOMIZE BOILER CAPACITY IN 7 NATURAL GAS FUELED BOILERS AND DECOMMISSION EXCESS CAPACITY IF FEASIBLE	MOTOROLA-TEMPE	200259	31
NITROGEN OXIDES	(11.2):REDUCE NATURAL GAS CONSUMPTION BY 30% AND COMBUSTION BYPRODUCTS (NOx AND CO) BY 30%. (MEASUE THIS GOAL WITH GOAL 30)	BENCHMARK TECHNOLOGICAL RETROFIT METHODS FOR SMALL INDUSTRIAL BOILERS TO REDUCE NATURAL GAS CONSUMPTION AND REDUCING NOx AND CO EMISSIONS, SECURE CAPITAL FUNDING FOR RETROFITS, IMPLEMENT RETROFITS, AND QUANTIFY RESULTS	MOTOROLA-TEMPE	200259	32
NITROGEN OXIDES	REDUCE VEHICLE EMISSIONS FROM YARD VEHICLES 1) OBTAIN VARIOUS FUEL ADDITIVE PRODUCTS 12/31/1998 2) CONDUCT TRIALS TO EVALUATE EFFICIENCY 6/30/1999 3) DETERMINE IF IMPLEMENTATION IS APPROPRIATE 12/31/1999 4) INSTITUTE PROCEDURE 12/31/1999.	ADD FUEL ADDITIVE TO FUEL IN YARD VEHICLE TO REDUCE EMISSIONS. WE BEGAN USING DIESEL OIL SUPPLEMENT, POWER SERVICE GAS FUEL SYSTEM CLEANER AND DIESEL KLEEN. THIS PRODUCT IMPROVES FUEL MILEAGE, REDUCES EXHAUST SMOKE AND CLEANS INJECTORS.	NORTH STAR STEEL ARIZONA	200615	9
NITROGEN OXIDE	REDUCE CO, NOX, AND PM10 EMISSIONS FROM TORCH CUTTING AND HEATING PROCESSES.	REPLACE NATURAL GAS USED AS A CUTTING FUEL GAS WITH PROPYLENE IN SMALL CYLINDERS. PROPYLENE HAS A HIGHER ENERGY CONTENT (2,371 BTU/GAL COMPARED TO 1,000 BTU/GAL FOR NATURAL GAS). CUTTING SPEED IS ALSO INCREASED USING PROPYLENE. LESS GAS WILL BE CONSUMED DURING CUTTING, THEREBY REDUCING EMISSIONS. EMISSIONS WILL ALSO BE REDUCED BY ELIMINATING LOSSES TO LEAKS IN THE NATURAL GAS DELIVERY SYSTEM. USING GASES IN BULK AND CYLINDERS WILL MAKE TRACKING INVENTORY, EFFICIENCY, AND THROUGHPUT EASIER AND MORE ACCURATE.	SCHUFF STEEL COMPANY-GILBERT	200681	1
NITROGEN OXIDE	REDUCE COMPRESSOR STACK EMISSIONS BY 25% ** GOAL COMPLETED BUT DROPPED **	REDUCE OPERATIONAL RUN TIME AND INSTALL POLLUTION CONTROL EQUIPMENT	TRANSWESTERN PIPELINE CO-STA. 1 KINGMAN	200386	4
NITROMETHANE	ELIMINATE FREON 113 USAGE FOR CIRCUIT BOARD DEFLUXING	PURCHASE AND INSTALL AN AQUEOUS, IN-LINE CIRCUIT BOARD WASHER; USE ORGANIC, BIODEGRADABLE, NON-ODS SAPONIFYING CLEANER	ACME ELECTRIC CORP. AEROSPACE DIVISION	200482	5
N,N-DIMETHYLFORMAMIDE	ELIMINATE CONTAMINATION OF 6,000 GAL SOLVENT TANKS FROM UNKNOWN SOURCES.	INVESTIGATE CAUSES OF CONTAMINATION THAT SEEM TO OCCUR TWICE EVERY YEAR.	NELCO TECHNOLOGY, INC.	200265	16
N,N-DIMETHYLFORMAMIDE	ELIMINATE SPILLS OF VARIOUS SOLVENTS DUE TO EMPLOYEE ERRORS AND TANK OVERFLOW.	TRAIN EMPLOYEES; INTERVIEW EMPLOYEES TO GET MORE SUGGESTIONS; CONSIDER OVERFLOW ALARMS FOR TANKS. TRAINING HAS BEEN PRODUCTIVE.	NELCO TECHNOLOGY, INC.	200265	17
N,N-DIMETHYLFORMAMIDE	MINIMIZE USE OF DIMETHYLFORMAMIDE AS A CLEANING AGENT.	TEST ACETONE AS SUBSTITUTE; TEST OTHER ALTERNATIVES WHEN ACETONE DOES NOT WORK. ALTHOUGH NOT AS EFFECTIVE AS DMF, ACETONE DOES WORK IN EQUAL VOLUME W/ DMF 1:1. THIS DOES REDUCE THE TOXICITY OF THE CLEANING AGENT & RESULTING WASTE.	NELCO TECHNOLOGY, INC.	200265	18
N,N-DIMETHYLFORMAMIDE	REDUCE THE AMOUNT OF VOC EMISSIONS FROM THE THERMAL OXIDIZER.	INCREASE THE EFFICIENCY OF THE THERMAL OXIDIZER BY INCREASING THE DESTRUCTION EFFICIENCY BY 3%. A NEW MORE EFFICIENT THERMAL OXIDIZER WAS PURCHASED & INSTALLED. DESTRUCTION EFFICIENCY INCREASED FROM 97% TO 99%.	NELCO TECHNOLOGY, INC.	200265	19
N,N-DIMETHYLFORMAMIDE	MINIMIZE SOLVENT SPILLAGE WHEN DISCONNECTING HOSES.	IMPLEMENT POLICY TO DRAIN ALL SOLVENT FROM HOSES PRIOR TO DISCONNECTING. PRESSURE RELIEVING VALVES WERE INSTALLED & PIPES WERE RE-SLOPED TO ELIMINATE SPILLAGE.	NELCO TECHNOLOGY, INC.	200265	20
N,N-DIMETHYLFORMAMIDE	ELIMINATE DISPOSAL OF FLAMMABLE SOLIDS BY INCINERATION.	REDIRECT FLAMMABLE SOLIDS FROM INCINERATION TO FUELS BLENDING. INSIST THAT WASTES BE SENT TO A FUEL BLENDING FACILITY.	NELCO TECHNOLOGY, INC.	200265	21

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
NON-RCRA LIQUIDS	PREFERENTIALLY CHOOSE "DRY" PROCESS VACUUM PUMP SYSTEMS RATHER THAN OIL DIFFUSION PROCESS VACUUM PUMP SYSTEMS; REPLACE EXISTING OIL DIFFUSION SYSTEMS WITH DRY SYSTEMS AS THE OPPORTUNITY ARISES. (PERTAINS TO OIL DIFFUSION SYSTEMS THAT DO NO USE FLUORINATED OIL, WHICH IS RETURNED TO MANUFACTURER FOR RECLAMATION) ELIMINATE WASTE OIL FROM OIL VACUUM PUMPS.	WHERE AVAILABLE AND COMPATIBLE WITH THE MANUFACTURING PROCESS, PURCHASE "DRY" PUMP SYSTEMS RATHER THAN OIL DIFFUSION SYSTEMS; OR REPLACE EXISTING OIL DIFFUSION SYSTEMS WITH DRY SYSTEMS. 1995: INCLUDE TEMPE FAB 2	MICROCHIP TECHNOLOGY-CHANDLER	200247	19
NOX / NATURAL GAS	REDUCE ANNUAL NATURAL GAS CONSUMPTION BY AN ESTIMATED 24,000 THERMS	IMPROVE PREVENTATIVE MAINTENANCE ON BURNER SYSTEMS AND CONTRACT FOR ANNUAL BURNER EFFICIENCY AND CALIBRATION CHECKS; DECREASE THE NUMBER OF HOURS USED; PURCHASE 2 ELECTRICAL LIFTS.	NELTEC, INC.	200491	7
NOXs	REDUCE LIQUID HAZARDOUS WASTE GENERATION BY 90% AT ALL FACILITIES ** GOAL DROPPED **	USE NON HAZARDOUS SOLVENTS, RECYCLE SOLVENTS, USE DETERGENTS.	TRANSWESTERN PIPELINE CO-STA. 1 KINGMAN	200386	3
OAKITE 31	REDUCE/ ELIMINATE USAGE OF OAKITE RUSTSTRIPPER FOR METAL PARTS CLEANING: ACTION PLAN 1. RESEARCH, OBTAIN COSTS, EVALUATE PROCESSES - COMPLETED. 2.TEST DIFFERENT PROCESSES AND CLEANERS. 3. MODIFY EQUIPMENT/ PROCESSES. 4. REVIEW EFFECTIVENESS OF GOAL.	REPLACE OAKITE RUSTSTRIPPER WITH NON-HAZARDOUS OR LESS HAZARDOUS CLEANING SOLUTION. MODIFY CLEANING PROCESS TO REDUCE WASTE GENERATION	HONEYWELL AEROSPACE SERVICES	200024	6
OAKITE 31	REDUCE THE AMOUNT OF METAL MEDIC WASTE GENERATED IN THE IRONS PRODUCTION AREA.	*CONTROL CHEMICAL SUPPLY TO PREVENT EXCESS USAGE.	PING, INC	200208	10
ODC's	GENERAL: REDUCE OZONE DEPLETERS EMISSIONS BY 100% BY DEC. 1997 USING THE 1990 BASELINE YEAR MEASURED BY THE TRI DATA	PRODUCT SUBSTITUTIONS	THE BOEING COMPANY	200238	2
ODORS	REDUCE ODORS, PARTICULATES, AND ORGANIC FUMES ESCAPING INTO THE ATMOSPHERE.	INSTALL A VENTURI SCRUBBER IN THE RENDERING ROOM	SUN LAND BEEF COMPANY	200367	5
OFF-SPEC/DAMAGED PRODUCTS	OFF-SPEC DAMAGED PRODUCT-UVX-2000: REDUCE WASTE GENERATION DUE TO OFF-SPEC PRODUCTS AND DAMAGED CONTAINERS. REDUCE WASTES TO 4600 LBS	ADD NEW COMPUTER SYSTEM TO TRACK AGED, OFF-SPEC, AND DAMAGED INVENTORY; USE NATION WIDE WASTE EXCHANGE; USE PLASTIC PALLETS.	UNIVAR USA, INC.	200426	5
OIL OR LUBICANTS	REDUCE THE AMOUNT OF WASTE OIL FOUND ON THE PROPERTY WHILE ALSO REDUCING THE CHANCE OF RELEASES WITH STORM WATER.	DEVELOP A SYSTEM TO ALERT MANAGEMENT WHEN AN AMOUNT OF THESE OILS ARE ONSITE THAT CAN BE FEASIBLY RECYCLED AND IMPROVE THE AVAILABLE STORAGE FACILITIES FOR THESE ACCUMULATING USED OILS.	AACCO CAST PRODUCTS, INC.	200526	9
OIL (USED)	ELIMINATE USED OIL SPILLS.	PLACE DRIP PANS UNDERNEATH ALL TRANSFER POINTS TO ELIMINATE SPILLS ON THE GROUND. BUILD A LIP ONTO OIL TRANSFER PANS TO ELIMINATE SLOSH OVER DURING MOVEMENT.	ADOT- SAFETY AND HEALTH SECTION	200009	15
OIL, TIRES, BATTERIES	REDUCE POTENTIAL FOR SPILLS, RELEASES AND RUNOFF.	IMPROVE WASTE STORAGE AREA HOUSEKEEPING. TRIPLE RINSE AND DISPOSE OF OLD DRUMS. PROTECT THIS AREA WITH A FULL ROOF AND SECONDARY CONTAINMENT TO CONTAIN STORM/WASH WATER.	ADOT- SAFETY AND HEALTH SECTION	200009	16
OIL	REDUCE/ ELIMINATE OIL FROM WATER BASED CUTTING FLUID FROM LEAKING OUT OF ROLL-OFF CONTAINERS AND INTO THE SOIL.	1. INSTALL CONCRETE PAD UNDER THE ROLL-OFF CONTAINER; 2. EXPERIMENT WITH SELECTIVE ABSORBENT MATERIALS IN AN ATTEMPT TO CAPTURE ANY OIL FROM THE WATER/OIL SOLUTION THAT LEAKS FROM THE ROLL-OFF; 3. EXPERIMENT WITH A COMMERCIALLY AVAILABLE CUTTING FLUID THAT CONTAINS NO OIL, THUS ELIMINATING THE CONTAMINANT AT THE SOURCE. IN 2001, TWO SAWS WERE CONVERTED TO A "MICRO DRIP" COOLANT SYSTEM. SAWS WERE PREVIOUSLY ON A "FLOOD TYPE" COOLANT SYSTEM.	AIR SYSTEM COMPONENTS, L.P.	200019	2
OIL, TIRES, BATTERIES	REDUCE THE AMOUNT OF SPECIAL AND LANDFILL WASTE GENERATED FROM WASTE OIL, TIRES, BATTERY.	RECYCLE WASTE OIL, TIRES AND BATTERIES.	AIR PRODUCTS AND CHEMICALS-CHANDLER	200018	4
OIL - USED MOTOR	REDUCE DISPOSAL OF SOLID WASTE BY INCREASING USE OF RECYCLED MATERIALS BY 25% (PAPER, CARDBOARD, OIL AND ANTIFREEZE).	A. ESTIMATE AMOUNT OF POTENTIAL RECYCLED MAT'L. B. NEGOTIATE PRICES WITH RECYCLING VENDORS.	APS DEER VALLEY SERVICE CENTER	200040	8
OIL (WASTE)	ELIMINATE SENDING USED OIL FROM THE MAINTENANCE SHOP TO AN OUTSIDE RECYCLER.	INVESTIGATE THE PURCHASE AND INSTALLATION OF A WASTE OIL HEATER IN THE MAINTENANCE SHOP IN ORDER TO BURN THE OIL WE NOW SEND TO A RECYCLER.	ARIZONA CASTINGS, INC.	200477	15
OIL - USED MOTOR	REDUCE OIL CHANGES BY 40%.	PURCHASE OIL ANALYZER FOR VEHICLE MAINTENANCE (161ST - 165 GAL. & 107TH - 60 GAL.) TO MINIMIZE OIL CHANGE REQUIREMENTS.	AZ AIRFORCE NATIONAL GUARD (TUCSON/PHOENIX)	200696	2P
OIL (HYDRAULIC)	REDUCE THE AMOUNT OF WASTE HYDRAULIC GENERATED BY 25%	PURHCASE AND INSTALL AN OIL/ WATER SEPERATOR	BADGER METER INC - RIO RICO AZ	200494	1
OIL (HYDRAULIC)	REDUCE POTENTIAL SPILLS OF OIL	PURCHASE: 1. OIL PUMP TO IMPROVE OIL TRANSFER; 2. DIKE MATERIAL AND PADS TO SOAK UP SPILLS; 3. VACUUM TO ASSIST IN OIL RECOVERY; TRAIN EMPLOYEES	BADGER METER INC - RIO RICO AZ	200494	3

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
OIL (USED WITH CFC's)	REDUCE OR ELIMINATE THE USED (200 TON) CHILLER OIL CONTAINING CFC's (ABOUT 50 GAL/YR) ***INACTIVE FACILITY***	DISCUSS ALTERNATIVES WITH MANUFACTURER (CARRIER); SUBMIT PROPOSAL TO IMPLEMENT CHANGES	BORDEN FOODS COMPANY	200495	2
OIL	REDUCE THE QUANTITY OF WASTE OIL FROM VEHICLE MAINTENANCE	REDUCED OIL CHANGE FREQUENCY ON LARGER TRUCKS FROM EVERY 9,000 MILES TO EVERY 12,000 MILES	COCA-COLA BOTTLING CO.-TEMPE	200101	13
OIL (WASTE)	REDUCE WASTE OIL GENERATION **GOAL DROPPED**	USE IMPROVED OIL FILTERS TO EXTEND OIL LIFE	COCA-COLA BOTTLING CO.-TEMPE	200101	4
OIL (MACHINE)	REDUCE OR ELIMINATE MOP WATER CONTAMINATED WITH OIL AND METALS FROM SCREW MACHINES BY 90%.	INSTALL CATCH TRAYS UNDER MACHINES; RESEARCH AN OIL/ WATER SEPARATOR AND ION EXCHANGE SYSTEM, FINE TUNE PROCESS BY 7/97	CORNING GILBERT INC. -PHOENIX	200549	1
OIL (USED)	FACILITIES 5D: RECYCLE USED OIL **GOAL DROPPED**	ACTIONS 1-3: REGULATORY EVALUATION; VENDOR EVAULATION; IMPLEMENT CHANGES	CYTECFIBERITE	200185	21
OIL (WASTE)	REDUCE THE FREQUENCY OF TRANSFER AND POTENTIAL OF OIL SPILLS.	USE OIL TOTES SPECIFICALLY DESIGNED FOR THE FACILITY'S FORK LIFTS; EVALUATE BENEFITS OF BULK STORAGE AT A CENTRAL LOCATION; BUILD A NEW OIL STORAGE FACILITY WITH SECONDARY CONTAINMENT.	DOLPHIN, INCORPORATED	200125	13
OIL/SOLVENTS	WASTE OIL HANDLING: REDUCE THE QUANTITY OF HAZ WASTE GENERATED (IE.OIL CONTAMINATED WITH SOLVENTS).	SEGREGATE USED OIL FROM SOLVENTS GENERATED DURING MAINTENANCE AND OTHER ACTIVITIES	DOLPHIN, INCORPORATED	200125	3
OIL (WASTE)	REDUCE GENERATION OF WASTE OIL CONTAINING TCA	PROVIDE SEPARATE HAZARDOUS WASTE SATELLITE ACCUMULATION CONTAINERS FOR OIL MIXED WITH TCA AND NON HAZARDOUS OILS	F & B MANFUCTURING CO.	200140	3
OIL (WASTE)	RECYCLE WASTE OIL	CONTINUE TO RECYCLE WASTE OIL (AS ACCUMULATED) THROUGH A SUBCONTRACTOR	GANNON & SCOTT PHOENIX, INC.	200168	4
OIL (MACHINE COOLANT)	REDUCE MACHINE COOLANT OIL WASTE GENERATION	INSTALL A COOLANT/OIL RECYCLING MACHINE - EVAPORATOR -TO SEPARATE THE OIL (DISPOSE OF AS OFF-SITE ENERGY RECOVERY) AND REUSE COOLANT	GOODRICH TURBOMACHINERY PRODUCTS	200434	1
OIL (WASTE)	REDUCE USED OIL WASTE BY AT LEAST 50%.	INSTALL MACHINE TO CLEAN COOLANT OILS USED IN PRODUCTION GRINDERS SO IT CAN BE REUSED.	GOODRICH TURBOMACHINERY PRODUCTS	200434	11
OIL/WASTEWATER	REDUCE WASTE GENERATED FROM CONTAMINATED MOP WATER/OIL (FLOOR CLEANUP) AND FROM PLASMA SPRAY (NICKEL/GRAPHITE POWDER) WATER FILTRATION	INSTALL A WATER EVAPORATOR FOR MOP WATER AND PLASMA SPRAY SCRUBBER WASTEWATER, LEAVING ONLY OILS AND METALS	GOODRICH TURBOMACHINERY PRODUCTS	200434	4
OIL	REDUCE WASTE OIL SHIPMENTS TO ONE OR TWO DRUMS PER YEAR	CLASSIFIED OIL AS NON-RCRA BY WASTE HANDLER **DROPPED**	GREAT WESTERN PUBLISHING	200165	3
OIL (USED)	Goal #5: RECYCLE USED OIL (MACHINE SHOP - OIL RECYCLING). ACTION PLAN: 1. GATHER MORE INFORMATION ON WASTE OIL DISTRIBUTION BY 9/30/2000 - COMPLETED. 2. STUDY RECYCLING LOGISTICS FEASIBILITY BY 6/30/2001. 3. CAPITAL EXPENDITURE COST BY 12/31/2001. 4. IMPLEMENTATION BY 12/31/2002. 5. REVIEW EFFECTIVENESS BY 12/31/2003.	A. HAVE OUTSIDE RECYCLING SERVICE COMPANY PERFORM FEASIBILITY STUDY FOR ON-SITE RECYCLING. B. CHECK EXISTING OIL RECYCLING SYSTEM. C. INSTALL CENTRAL OIL DISTRIBUTION SYSTEMS. D. PURCHASE OIL RECYCLING SYSTEMS.	HONEYWELL ENGINES & SYSTEMS	200145	5
OIL	REDUCE OIL-CONTAMINATED ABSORBANT GENERATION BY 25%.	PURCHASE ABSORBANT WRINGER AND REUSABLE ABSORBANT SOCK INCREASE EMPLOYEE AWARENESS INSTALL FILTRATION SYSTEM TO REUSE OIL FROM ABSORBANT SOCKS.	HONEYWELL ENGINES & SYSTEMS (TUCSON)	200025	7
OIL, SOLVENTS	REDUCE WASTE GENERATION FROM OIL AND SOLVENT LAIDEN ABSORBENT MATERIAL BY 50%.	REPLACE SOLVENTS USED IN CLEANING OF TOOLS AND DIES; IMPLEMENT PROCESS CONTROLS	HUCK FASTENERS	200183	6
OIL (WASTE)	REDUCE THE QUANTITY OF WASTE OIL DISPOSED OF AS RCRA HAZARDOUS WASTE.	MODIFY THE OIL CHANGE SCHEDULE FOR VACUUM PUMPS; ENSURE THE WASTE OIL IS CLASSIFIED AS NON-RCRA BY SOURCE SEGREGATION OF SOLVENTS FROM OIL.	IBM CORPORATION	200194	3
OIL/WATER MIXTURE	REDUCE VOLUME OF OIL ABSORBENT WASTE STREAM BY 20%.	ACTION ITEM: A. IDENTIFY HIGH VOLUME AREA OF OIL LEAKAGE/SPILLAGE AND DEVELOP A PLAN TO REDUCE, CAPTURE, OR ELIMINATE OIL LEAKAGE. B. ENHANCE PREVENTATIVE MAINTENANCE PLAN TO INCORPORATE SPECIFIC ACTIVITIES DESIGNED TO REDUCE OIL LEAKAGE FROM MACHINERY. C. IDENTIFY A FEASIBLE PROCESS AND MATERIAL TO BE USED AS A RECYCLABLE MATERIAL AND ABSORB FREE LIQUID OIL LEAKS. D. IMPLEMENT PLAN. e. REVIEW EFFECTIVENESS OF PLAN.OIL RECOVERY FROM ABSORBENT MATERIALS BY EXTRATION, CLEANING OR COMPRESSION.	ISOLA LAMINATE SYSTEMS	200268	5
OIL (WASTE)	REDUCE VOLUME OF WATER/OIL WASTE STREAM BY 25%, THE EQUIVALENT OF 2,200 LBS.	PURCHASE AN OIL/WATER SEPARATION PROCESS.	ISOLA LAMINATE SYSTEMS	200268	6
OIL/SOLVENT SPILLS	MINIMIZE OIL/SOLVENT SPILLS AND OVERFLOWS IN HAZARDOUS WASTE/ CHEMICAL STORAGE AREA	CONDUCT SPILL RESPONSE AND ABATEMENT TRAINING TO INCLUDE SPILL PREVENTION, SEGREGATION, LABELLING	ITT CANNON - PHOENIX	200199	2

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
OIL (WASTE)	REDUCE WASTE OIL FROM THE CAN SEAMER BY 85%	INSTALL AND USE AN ANGELUS 120L SEAMER WHICH RECOVERS OIL	KALIL BOTTLING COMPANY	200205	3
OIL	REDUCE THE USE OF MACHINE LUBRICATING OIL BY 90-99%	REPLACE THE GEORGE J MEYER CAN FILLER WITH AN H & K SIGMA 92 CAN FILLER. HAS LESS MOVING PARTS, THUS OIL CONSUMED.	KALIL BOTTLING COMPANY	200205	4
OIL (TANK SLUDGE)	8.0.J: REDUCE THE TOTAL USED OIL TANK BOTTOM SLUDGE DISPOSED OF IN LANDFILLS BY 35%	REDUCE THE WATER CONTENT OF THE SLUDGE; RESEARCH FILTER SYSTEMS	MCCULLOCH CORP (LAKE HAVASU)	200234	10
OIL (CONTAMINATED)	8.O.B: REDUCE BY 5% THE AMOUNT OF USED AND CONTAMINATED OIL THAT IS SENT OFFSITE FOR DISPOSAL AND FUEL BLENDING	IMPLEMENT IN-HOUSE FILTRATION AND RECYCLING OF USED OIL. IMPLEMENT A MACHINERY PREVENTIVE MAINTENANCE PROGRAM TO IMPROVE MACHINERY LEAK REPAIRS.	MCCULLOCH CORP (LAKE HAVASU)	200234	2
OIL	8.O.C: REDUCE THE AMOUNT OF WASTE OIL/GAS THAT IS SENT OFF-SITE AS HAZARDOUS WASTE FOR THERMAL DESTRUCTION.	RECYCLE AS MUCH GASOLINE AS POSSIBLE AND IMPROVE OPERATION AND RE-USE OF MIXED GASOLINE; RECYCLE OIL AS ON-SPEC USED OIL FOR FUEL BLENDING.	MCCULLOCH CORP (LAKE HAVASU)	200234	3
OIL (HYDRAULIC DIE CAST)	8.O.G: INVESTIGATE OPPORTUNITIES TO REDUCE THE AMOUNT OF DIE LUBE, HYDRAULIC FLUID AND SULPHUR DIOXIDE WASTE IN THE DIE CAST OPERATION	COMPLETE AN INVESTIGATION TO: REPLACE BOTTLED SULFUR DIOXIDE WITH SULFUR HEXAFLUORIDE; RECYCLE & REUSE HYDRAULIC OILS; RECYCLE EXCESS DIE LUBE	MCCULLOCH CORP (LAKE HAVASU)	200234	7
OIL (DIE LUBE)	8.O.G: INVESTIGATE OPPORTUNITIES TO REDUCE THE AMOUNT OF DIE LUBE, HYDRAULIC FLUID AND SULPHUR DIOXIDE WASTE IN THE DIE CAST OPERATION	COMPLETE AN INVESTIGATION TO: REPLACE BOTTLED SULFUR DIOXIDE WITH SULFUR HEXAFLUORIDE; RECYCLE & REUSE HYDRAULIC OILS; RECYCLE EXCESS DIE LUBE	MCCULLOCH CORP (LAKE HAVASU)	200234	7
OIL (WAVE SOLDER)	MINIMIZE THE GENERATION OF WASTE SOLDER OIL USED TO MINIMIZE SOLDER DROSS GENERATION ON THE WAVE SOLDER SURFACE BY 90%	IMPLEMENTED NEW TECHNOLOGIES FOR DROSS REDUCTION I.E. REMOVED THE OIL INJECTION SYSTEM FROM WAVE SOLDER EQUIPMENT AND REPLACED WITH AN OIL SUSPENSION PROCESS THAT ELIMINATED THE WASTE STREAM	MOTOROLA COMPUTER GROUP (DIABLO WAY)	200258	2
OIL (WASTE)	REDUCE WASTE OIL GENERATED FROM VACUUM PUMP MAINTENANCE.	FIND RECYCLING SERVICE, PURCHASE RECONDITIONED OIL ON TRIAL BASIS AND DETERMINE FEASIBILITY, INSTITUTE RECYCLING PROGRAM IF STANDARDS ARE MET.	MOTOROLA SCG	200253	28
OIL (HYDRAULIC)	ELIMINATE HOT OIL PRESS TO REDUCE SPILLS AND VOLATILE EMISSIONS	REPLACE THE HOT OIL PRESS WITH A LOW PRESSURE STEAM HEAT SOURCE	NELCO TECHNOLOGY, INC.	200265	11
OIL, SPILLED/FLUIDS	REDUCE STORM WATER CONTAMINATION FROM OIL AND GREASE IN THE PARKING AREAS.	1. COLLECT THE SPILLED OIL IN THE PARKING LOT WITH ABSORBENT PRIOR TO RAIN STORMS. 2. EXPERIMENT WITH WATER FILTRATION ON STORM WATER AS IT FLOWS FROM THE PROPERTY.	NELCO TECHNOLOGY, INC.	200265	34
OIL WASTE RAGS	REDUCE THE AMOUNT OF OILY RAGS GOING TO THE LANDFILL.	CHANGE TO LAUNDRY SERVICE. WE NO LONGER SEND OILY RAGS TO THE LANDFILL. ALL RAGS ARE LAUNDERED.	NORTH STAR STEEL ARIZONA	200615	5
OIL (USED)	REDUCE USED OIL GENERATED AND SHIPPED OFFSITE	TRAIN EMPLOYEES TO FILTER OIL THROUGH A SEPARATOR BEFORE PLACING IN RECYCLE DRUM	OHLINGER INDUSTRIES, INC.	200561	3
OIL (LUBRICATION)	INSTALL A NEW STATE OF THE ART LUBRICATION SYSTEM FOR OUR CURING OVEN.	USE LESS LUBRICANT OIL AND USE WHAT LUBRICANT THAT WE DO USE MORE EFFICIENTLY.	OWENS CORNING ELOY PLANT	200543	10
OIL (USED)	ELIMINATE FUEL SPILLS AT FUELING FACILITIES AND IMPROVE QUALITY OF USED OIL.	CAPTURE SPILLAGE AND SEPARATE OIL/ WASTE MIXTURE; BUILD NEW FUEL ISLANDS WITH STATE OF THE ART EQUIPMENT AND INCLUDE SUMP FOR OVERFILL.	PHELPS DODGE MIAMI INC.	200115	1
OIL (ENGINE LUBRICATING)	CONTAMNIATED SOIL-EQUIPMENT MAINTENANCE: REDUCE THE NUMBER OF ACCIDENTAL SPILLS WHEN OIL FILTERS ARE CHANGED BY 10%. REFER TO GOAL 9 FOR MEASUREMENT AGAINST BASELINE.	EDUCATE EMPLOYEES ON PROPER PROCEDURES FOR CHANGING OIL FILTERS IN THE FIELD.	PHELPS DODGE MINING, MORENCI BRANCH	200281	11
OIL (USED)	MAINTENANCE:REDUCE GENERATION OF USED OIL ***INACTIVE FACILITY***	REENGINEER AND INCREASE SERVICE INTERVALS OF HAUL TRUCKS. PILOT PROJECT TO BEGIN IN 1995	PHELPS DODGE BAGDAD, INC.	200114	12
OIL (USED)	RECYCLE USED OIL.	DEVELOP A PLAN TO FILTER AND REUSE USED OIL TO MAKE A HIGH GRADE DIESEL FUEL.	PHELPS DODGE MIAMI INC.	200115	18
OIL, GREASE,HYDRAULIC FLD	COMMUNITY SERVICE DEPT. HEAVY VEHICLE PARKING: REDUCE OR ELIMINATE PETROLEUM CONTAMINATION FROM STORM EVENTS	INSTALL AN OIL/WATER SEPARATOR IN STORM DRAIN; INSPECT HEAVY EQUIPMENT FOR LEAKS AND REPAIR **DROPPED**	PHELPS DODGE BAGDAD, INC.	200114	2
OIL FILTERS	RECYCLE USED OIL FILTERS.	SEND DRUMMED UNCRUSHED USED OIL FILTERS OFF SITE FOR RECYCLING.	PHELPS DODGE MIAMI INC.	200115	21
OIL (USED)	REDUCE USE OF LUBRICATING OIL IN MOBILE AND STATIONARY SOURCES.	IMPLEMENT ENHANCED LUBRICANT ANALYSIS PROGRAM WHICH WILL ALLOW FOR MORE TIMELY OIL CHANGES BASED ON LUBRICATION PROPERTIES RATHER THAN TIME IN EQUIPMENT.	PHELPS DODGE MIAMI INC.	200115	23

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
OIL/STORMWATER	REDUCE STORM WATER IN OIL TANKS AT MAINTENANCE FACILITIES.	REPLACED 3 DIESEL FUEL TANKS AN 6 LUBE OIL TANKS WITH DOUBLE WALLED TANKS TO ELIMINATE THE ACCUMULATION OF OIL CONTAMINATED WATER	PHELPS DODGE MIAMI INC.	200115	3
OIL, CONTAMINATED SOIL	REDUCE STORM WATER IN OIL TANKS AT MAINTENANCE FACILITIES.	REPLACED 3 DIESEL FUEL TANKS AN 6 LUBE OIL TANKS WITH DOUBLE WALLED TANKS TO ELIMINATE THE ACCUMULATION OF OIL CONTAMINATED WATER	PHELPS DODGE MIAMI INC.	200115	3
OIL (LUBRICATION)	MAINTENANCE FACILITIES: REDUCE SPILLAGE OF PETROLEUM PRODUCTS.	CONSTRUCT NEW MAINTENANCE FACILITIES TO IMPROVE HANDLING PROCEDURES AND IMPROVE DISPENSING EQUIPMENT. INCLUDED DOUBLE WALLED TANKS FOR ALL LUBRICATING OILS, INTERNAL PIPING SYSTEMS, AND EVACUATION SYSTEMS FOR ALL LARGE EQUIPMENT ENGINE MOTOR OIL	PHELPS DODGE MIAMI INC.	200115	5
OIL (WASTE)	MAINTEANCE - MINE SHOP: CHANGE USED OIL DISPOSAL METHOD FROM ENERGY RECOVERY TO RECYCLING	SEND WASTE OIL TO BE REREFINED (USE EVERGREEN OIL'S REREFINING FACILITY)	PHELPS DODGE BAGDAD, INC.	200114	6
OIL FILTERS	REDUCE THE AMOUNT OF PC DEBRIS WASTE GENERATED ANNUALLY BY 10%. (GOAL 1, PROCESS AREA #6).	IDENTIFY OIL RECYCLING FACILITY TO TAKE CRUSHED, HOT GRAVITY DRAINED, NON-TIERNE OIL FILTERS. ENCOURAGE USE OF DRIP PANS.	PHELPS DODGE SIERRITA, INC.	200694	6
OIL (ENGINE LUBRICATING)	MAINTENANCE FACILITIES: IMPROVE QUALITY OF USED OIL PRODUCTS.	INSTALL AN OIL WATER SEPARATOR TO TREAT WATER AND OIL COLLECTED FROM STORM EVENTS OR THE WASHRACK	PHELPS DODGE MIAMI INC.	200115	6
OIL (CONTAMINATED)	HAZ WASTE DISPOSAL AND TREATMENT: REDUCED CROSS CONTAMINATION OF USED OIL	ESTABLISH A SYSTEM TO SEGREGATE CONTAMINATED OILS AND TRACE BACK TO WASTE GENERATOR	RAYTHEON COMPANY USAF PLANT 44	200184	26
OIL	REDUCE CHEMICAL USAGE ON SOLDER LEVEL LINE.	BY DETERMINING THE FEASIBILITY OF USING IN-LINE FILTERS TO DECREASE CHEMICAL DUMP FREQUENCY.	SANMINA - SCI	200669	24
OIL (MACHINING)	REDUCTION AND RECYCLING OF MACHINE COOLANTS, CUTTING OILS, LUBRICANTS AND OTHER OIL MATERIALS	STANDARDIZE THE TYPES OF MACHINE COOLANTS WHICH END UP BEING SPECIAL WASTE; SELECT COOLANTS THAT HAVE WIDE RANGE OF APPLICATION; SELECT COOLANTS FOR LONG LIFE TO DECREASE USAGE	STURM RUGER AND COMPANY, INC.	200362	7
OIL (MACHINING)	REDUCTION AND RECYCLING OF MACHINE COOLANTS, CUTTING OILS, LUBRICANTS AND OTHER OIL MATERIALS, BY REDUCING THE OVERALL AMOUNT USED	REDUCE NUMBER OF DIFFERENT COOLANTS; FILTER COOLANTS TO INCREASE LIFE; COOLANTS PUT THROUGH AN OIL/WATER SEPERATOR TO REDUCE VOLUME BY 90%; THE RESIDUAL OIL AND COOLANTS W/O WATER ARE SENT FOR FUEL BLENDING	STURM RUGER AND COMPANY, INC.	200362	8
OIL (MACHINING)	REDUCTION AND/OR RECOVERY OF MACHINE COOLANTS, CUTTING OIL LUBRICANTS AND OTHER LUBRICANTS	IDENTIFY STRATEGIES AND EQUIPMENT REQUIREMENTS FOR RECYCLING MACHINE COOLANTS AND LUBRICANTS ON-SITE	STURM RUGER AND COMPANY, INC.	200362	9
OIL	ELIMINATE POLYETHYLENE GLYCOL WIRESAW CURRENTLY USED.	RESEARCH AN EFFECTIVE POLYETHYLENE GLYCOL WIRESAW VEHICLE SUBSTITUTE TO REPLACE THE WIRESAW OIL CURRENTLY USED. (7/00 - WIRESAW OIL COMPLETELY REPLACED WITH POLYETHYLENE GLYCOL IN CALENDAR YEAR 2000.)	SUMCO SOUTHWEST CORP	200628	2
OIL (CRUDE)	REDUCE EXCESSIVE DISCHARGE OF CRUDE OIL AND PRODUCTS TO OILY WASTE WATER TREATMENT SYSTEM DURING SAMPLING SYSTEM.	INSTALL A CLOSED LOOP SAM-PLING SYSTEM TO ELIMINATE NEED TO PURGE SAMPLE LINE BACK TO THE OILY WASTEWATER TREATMENT SYSTEM	SUNBELT REFINING-COOLIDGE AZ	200365	3
OIL (USED)	RECYCLE 100% OF NON-HAZARDOUS USED OIL	CONTACT LOCAL OIL RECYCLERS WHO REUSE OIL IN PETROLEUM PRODUCTS OR RECYCLE AS A BURNER FUEL FOR CEMENT KILNS OR ASPHALT BATCH PLANTS	TALLEY DEFENSE SYSTEMS - PLT 4	200370	7
OIL/WATER	REDUCE THE QUANTITY OF WATER AND OIL MIXTURES GENERATED.	EVALUATE A LIQUID EVAPORATOR FOR ECONOMIC AND TECHNICAL FEASIBILITY.	TED LEVINE DRUM CO	200376	8
OIL (USED)	SEND USED MOTOR OIL OFFSITE FOR RECYCLING RATHER THAN FOR DISPOSAL	SHIP WASTE MOTOR OIL ONLY TO OIL RECYCLER	THE LARSON COMPANY	200215	5
OIL/WASTEWATER	REDUCE VOLUME OF CONTAMINATED RAINWATER	CONSTRUCT SUMP COVERS OVER LAUNCHER AND RECEIVER PADS	TRANSWESTERN PIPELINE CO-STA. 1 KINGMAN	200386	5
OIL WASTE RAGS	REDUCE THE QUANTITY OF OILY WASTE RAGS.	VISIT ALL SHOPS TO REVIEW WASTE DISPOSAL PRACTICES; EVALUATE BENEFITS OF DIRTY RAG RECYCLYING PROGRAM.	U.S.A.F. - LUKE	200409	17
OIL/WASTEWATER	IMPROVE OVERSIGHT AND TRAINING FOR THE OIL WATER SEPARATOR PROGRAM	INCLUDE O/WS UPGRADES IN TRAINING PROGRAM;IMPLEMENT O/WS CONSTRUCTION MODIFICATION RECOMMENDATIONS; IDENTIFY A SINGLE-POINT OF RESPONSIBILTY FOR THE O/WSs.	U.S.A.F. - LUKE	200409	25
OIL OR LUBICANTS	REDUCE DISPOSAL OF SOIL FROM POL - PETROLEUM, OIL OR LUBRICANT OR OTHER ACCEPTABLE HAZARDOUS MATERIAL SPILLS.	OBTAIN COE SPECIFICATION TO USE SOIL FROM A SPILL SITE IN ASPHALT STABILIZATION PROJECTS.	U.S.A.F. - LUKE	200409	34

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
OIL, LUBRICANTS	REDUCE DISPOSAL OF SOIL CONTAMINATED BY PETROLEUM OIL, OR LUBRICANT (POL) SPILLS.	CONTINUE TO SEARCH FOR FUNDING AND CONSTRUCT COMPOSTING FACILITY AT WWTF SITE.	U.S.A.F. - LUKE	200409	35
OIL, SPILLED/FLUIDS	REDUCE WASTE GENERATION FROM USE OF SPEEDY DRY/SAFE STEP (PUMACE BASED ABSORBANTS)	USE ABSORBANT PADS FOR JP-4; USE A ROLL OFF BIN TO REDUCE LANDFILL COSTS OF ABSORBANT; INSTALL A DIGESTER TO REDUCE VOLUMES	U.S.A.F. - LUKE	200409	9
OIL-AMMONIA MIXTURE	ELIMINATE WASTE OIL CONTAMINATED WITH AMMONIA COMPRESSOR	1.DETERMINE FEASIBILITY TO ISOLATE COMPRESSOR OIL 2.EVALUATE SYSTEM 3.PURCHASE 4. OBTAIN DELIVERY 5. INSTALL & CHECKOUT	COCA-COLA BOTTLING CO.-TEMPE	200101	1
OIL-BASED PAINT	REDUCE THE QUANTITY OF WASTE OIL-BASED PAINT.	IMPLEMENT AN ON-BASE REUTILIZATION PROGRAM FOR PAINTS AT HMMC FOR NON-CRITICAL APPLICATIONS	U.S.A.F. - LUKE	200409	19
OIL-BASED COOLANT	REDUCE THE USE OF OIL BASED COOLANTS USED IN THE FORMING AND TREATING PROCESS.	EVALUATE MACHINES THAT USE OIL-BASED COOLANTS; TEST ALTERNATIVE FOR IMPACT TO PRODUCT QUALITY.	UNITED MUSICAL INSTRUMENTS - NOGALES	200418	9
OIL-USED HYDRAULIC	REUSE USED HYDRAULIC OIL FROM HEAVY EQUIPMENT	IMPLEMENT A HYDRAULIC OIL RECYCLING SYSTEM USING "MAJI FLOW VERSAMATIC" AND "RUBIN-AIR OIL FILTERING SYSTEM"	BHP COPPER, SAN MANUEL SMELTING AND REFINING	200226	7
OILS AND SOLVENTS (USED)	WASTE EXCHANGE MEMBERSHIP FOR POSSIBLE PURCHASE OF SOLVENTS	JOIN WASTE EXCHANGE	GOODRICH TURBOMACHINERY PRODUCTS	200434	7
ORGANIC SOLVENTS	DEVELOP AND IMPLEMENT A CLEANING AND WASHOFF SOLVENT ACCOUNTING SYSTEM	TRACK USAGE OF SOLVENTS FOR CLEANING AND WASHOFF ACTIVITY	WOODSTUFF MANUFACTURING-43RD AVE	200459	8
ORGANICS	REDUCE THE TOXIC AND ORGANIC COMPOUNDS IN THE RAW MATERIALS	LAB DEVELOP SUBSTITUTES; RETURN OBSOLETE MATERIALS TO SUPPLIER; RECEIVE ONLY SMALL SAMPLES FOR TESTING	CARDINAL INDUSTRIAL FINISHES	200082	1
ORGANICS	REDUCE THE AMOUNT OF ORGANICS AND USED CONTAINERS DURING MFG	USE LESS TOXIC MATERIAL FOR CLEANING; CHANGE TO BULK CONTAINERS; USE LOW VOC RESINS	CARDINAL INDUSTRIAL FINISHES	200082	2
ORGANICS	REDUCE THE AMOUNT OF ORGANIC COMPOUNDS IN THE CLEAN UP OF MIXING TANKS AND PROCESS EQUIPMENT	RECYCLE THE SOLVENTS TO USE COMPLETELY BEFORE DISPOSAL; THEN SEND SOLVENT OFFSITE TO BE FURTHER RECYCLED	CARDINAL INDUSTRIAL FINISHES	200082	3
ORGANICS	PREVENT RELEASE OF TOXIC ORGANIC COMPOUNDS TO LOCAL MUNICIPAL WASTE WATER TREATMENT PLANT.	CONSOLIDATE OLD OIL/WATER SEPARATORS AND REPLACE WITH STATE OF THE ART ONES.	U.S. MARINE CORPS - YUMA AIR STATION	200407	13
OTHER METALS	REDUCE RAW MATERIAL LOSS DURING STORAGE AND TRANSFER 1) DEVELOP MANAGEMENT PROCEDURES FOR EACH TYPE OF RAW MATERIAL (LOOSE, PALLETED, SCRAP, ETC) 12/31/2000 2) DEVELOP MATERIAL LOADING PROCEDURES 6/30/2000 3) TRAIN EMPLOYEES 12/31/2001.	DEVELOP MANAGEMENT PRACTICES	NORTH STAR STEEL ARIZONA	200615	11
OXIDE PRIMER	REDUCE THE USE OF OXIDE PRIMERS	REPLACE WITH WATER BASED PRIMERS WHENEVER VIABLE DEPENDING ON CUSTOMER REQUIREMENTS	AMBER GLASS & STEEL, INC.	200725	1
OXIDIZER	REDUCE A RCRA WASTE BY ELIMINATING A PROCESS. AN OLDER TECHNOLOGY USED PARAPLAST MATERIALS IN MAKING MOLDS. THIS PROCESS WAS ELIMINATED FROM OUR MANUFACTURING OPERATIONS.	ELIMINATED THE FORMER TECHNOLOGY "PARAPLAST MOLDING".	THE BOEING COMPANY	200238	28
OXSOL 100	REDUCE/ ELIMINATE OFF-SITE SHIPMENT OF ISOPROPYL ALCOHOL AND OXSOL 100 SOLVENTS TO IN-PROCESS RECYCLING.	PURCHASE RECYCLING STILL, DEVELOP PROCEDURES TO OPERATE & MANAGE THE STILL AND WASTE RECYCLED SOLVENTS.	HONEYWELL AEROSPACE SERVICES	200024	5
PAINT (WASTES)	REDUCE SOLVENT BASED LEAD PAINT WASTE STREAM BY 25-50%.	REPLACE WITH WATER BASED LEAD FREE PAINT.	ADOT- SAFETY AND HEALTH SECTION	200009	4
PAINT (ENAMEL)	(I) ELIMINATE THE ENAMEL PAINTS AND SOLVENTS USED	RESEARCH ALTERNATIVES.	ALKEMIN, S. DE R.L. DE C.V.	200211	9
PAINT	REDUCE THE AMOUNT OF CONTAMINATED UV CURED PAINT USED ON SPRINKLER PIPE AND GALVANIZED STEEL TUBE.	DEVELOP AND IMPLEMENT A FILTRATION AND SAMPLING SYSTEM THAT WILL SERVE TO INCREASE ITS USEFUL LIFE. NOTE INCREASED PRODUCTION MAY RESULT IN INCREASED WASTE.	ALLIED TUBE AND CONDUIT	200032	19
PAINT	ELIMINATE OIL BASED PAINT	CONTINUE TO USE LOW HAPS PAINT AND WORK WITH PAINT MANUFACTURERS TO DEVELOP HAPS FREE BLACK LAQUER.	AUTOMOTIVE PARTS EXCHANGE	200504	5
PAINT SOLVENTS	REDUCE/ELIMINATE USE OF PAINT SOLVENTS.	SUBSTITUTE LOWER VOC FORMULATED PAINTS.	COPPER STATE RUBBER OF ARIZONA	200557	12
PAINT SOLVENTS	REDUCE/ELIMINATE USE OF PAINT SOLVENTS.	TEST ALTERNATIVE PAINTS FOR SUBSTITUTION.	COPPER STATE RUBBER OF ARIZONA	200557	13
PAINT	REDUCE OVERSPRAY AND VOC EMISSIONS FROM PAINTING OPERATIONS.	REPLACE CURRENT PAINT SYSTEM WITH A HIGH VOLUME, LOW PRESSURE SYSTEM; REPLACE HIGH VOC PAINTS WITH LOW VOC PAINTS.	GM DESERT PROVING GROUNDS	200154	7

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
PAINT FILTERS	REDUCE THE QUANTITY OF HAZARDOUS WASTE GENERATED FROM THE PAINT BOOTH FILTER OPERATIONS BY 5% ** GOAL DROPPED **	EVALUATE PAINT BOOTH OPERATION PARAMETERS WILL BE EVALUATED TO SEE OPERATIONAL PROCEDURES CAN BE IMPLEMENTED TO INCREASE THE LIFE OF PAINT FILTERS (FILTER CHANGE OUT TIMES) THEREBY REDUCING THE VOLUME OF WASTE MATERIAL GENERATED. OPTIONAL (ALTERNATE) FILTERS WILL ALSO BE EVALUATED TO SEE IF OTHER FILTER MEDIUMS ARE AVAILABLE WHICH WILL HANDLE MORE VOLUME OR COULD BE RECYCLED IN SOME MANNER.	HEIL ENVIRONMENTAL INDUSTRIES LTD.	200530	2
PAINT	REDUCE HAZARDOUS WASTE GENERATED BY 20% FROM THE EQUIPMENT CLEANING PROCESS	PURCHASE NEW TECHNOLOGY MIXING EQUIPMENT	HEIL ENVIRONMENTAL INDUSTRIES LTD.	200530	4
PAINT (WASTES)	REDUCE PAINT USAGE BY 1.5 GALLONS PER UNIT.	REDUCE OVERSPRAY BY INSTALLING A NEW STATE OF THE ART (DOWNDRAFT) PAINT BOOTH AND EQUIPMENT, THEREBY REDUCING PAINT USAGE BY 1.5 GALLONS PER UNIT.	HEIL ENVIRONMENTAL INDUSTRIES LTD.	200530	7
PAINT SOLVENTS	REDUCE VOC EMISSIONS BY 30% BY END OF 1993 AT THE PRODUCTION PAINT SHOP.	TEST AND IDENTIFY LOW VOC PAINTS FOR USE WHICH MEET PRODUCTION SPECIFICATIONS	HONEYWELL ENGINES (FORMERLY ALLIEDSIGNAL ENGINES)	200144	6
PAINT FILTERS	REDUCE THE AMOUNT OF USED SPRAY BOOTH FILTERS BY 100% IN CHAIN ON EDGE PAINTING LINES AND SHIELDING.	REPLACE THE DRY FILTER BANKS IN THE BOOTH WITH RECIRCULATING WATER WASH FILTRATION. THIS WILL ELIMINATE THE NEED TO DISPOSE OF FILTERS.	ITI FINISHING	200728	3
PAINT (WASTES)	REDUCE PAINT WASTE FROM IMPROPERLY MIXED PAINT IN CHAIN ON EDGE PAINTING LINES AND SHIELDING. (NOTE: BASELINE AMOUNT UNKNOWN BUT SET TO REDUCTION QUANTITY).	IMPLEMENT A TRAINING PROGRAM FOR PAINT TECHNICIANS. AN ORACLE BASED CONTAINER LABELING SYSTEM WAS IMPLEMENTED SO THAT THE PAINT MIXED ONE DAY COULD BE USED ON A FOLLOWING SHIFT OR THE FOLLOWING DAY. THIS ELIMINATED UNNECESSARY WASTE. OPERATORS WERE TRAINED ON THE NEW SYSTEM.	ITI FINISHING	200728	4
PAINT (WASTES)	REDUCE TOTAL HAZARDOUS CHEMICALS USED AND WASTE GENERATED BY IN 1990 BY 70%: PAINT RELATED MATERIAL (OBJ. 6,7)	SEGREGATE WASTE STREAM IN PAINT DEPARTMENT BY MAY 1993; USE HVLP SPRAY EQUIPMENT; RECYCLE SOLVENTS	KACHINA AEROSPACE & SEMICONDUCTOR	200203	5
PAINT	REDUCE PAINT SPRAY CAUSED BY MALFUNCTION OF SPRAY BOOTH ELECTRONIC EYES WHICH START AND STOP THE SPRAY DEPENDING ON WHETHER MATERIAL IS PASSING OVER THE EYES.	IMPLEMENT TIGHTER CONTROLS ON THE OPERATION OF THE SPRAY BOOTH THROUGH TRAINING. COMPUTER MONITORS HAVE BEEN PLACED AT EACH AUTOMATIC SPRAY BOOTH TO MONITOR THE OPERATION OF THE ELECTRONIC EYES. THE EYES SEND A SIGNAL TO THE COMPUTER TO TURN THE SPRAY ON OR OFF DEPENDING ON WHETHER MATERIAL IS PASSING OVER THE EYES. WHEN THE EYES MALFUNCTIONED THE OPERATORS PLACE THE SPRAY SYSTEM IN PURGE WHICH RESULTED IN A CONTINUOUS SPRAY. NOW WHEN THE EYES MALFUNCTION THE OPERATOR CAN DETERMINE THE PROBLEM AND CORRECT IT.	MASTERCRAFT CABINETS, INC.	200229	9
PAINT SOLVENTS	REDUCE FUGITIVE EMISSIONS OF SOLVENTS GENERATED BY THE COATER/TREATER OPERATION FROM 1166 GAL/MO PER MONTH TO 991 GAL/MO (15% REDUCTION)	(1) INVESTIGATE METHODS TO IMPROVE SOLVENT CAPTURE RATIO (CURRENTLY 85%) IN THE TREATER BAY (2) KEEP DRIP PAN ENCLOSURE CLOSED	NELCO TECHNOLOGY, INC.	200265	8
PAINT	REDUCE THE AMOUNT OF TEXTURING AND PAINT USED.	RESEARCH AND IMPLEMENT MEASURES TO REDUCE OVERSPRAY.	PALM HARBOR HOMES-TEMPE	200630	2
PAINT	REDUCE AMOUNT OF BLACK PAINT USED IN FRAME BOOTH.	RESEARCH AND IMPLEMENT MEASURES TO REDUCE OVERSPRAY.	PALM HARBOR HOMES-CASA GRANDE	200631	2
PAINT	PAINTING PROCESS: REDUCE PAINTS THAT CONTAIN HIGH PERCENTAGES OF TOXIC CHEMICALS.	(1) REGULATE PAINT MATERIALS THAT ARE PURCHASED FOR USE ON THE PROPERTY, (2) REDUCE THE NUMBER OF SUPPLIERS DOWN FROM FIVE OR SIX TO TWO OR THREE, (3) MONITOR & CONTROL WHAT TYPES OF PAINTS CONTRACTORS ARE USING, (4) RESEARCH NEW TYPES OF EQUIPMENT & APPLICATION PROCEDURES THAT COULD BE INCORPORATED IN OUR PROCESS, (5) AUDIT STIOCK ITEMS AND RESEARCH NEW TYPES OF ATTAINABLE MATERIALS AND PRODUCTS, (6) REDUCE OUTSIDE APPLICATIONS TO REDUCE OVERSPRAY, (7) DEFINE & SET STANDARDS THAT MUST BE MET BY ANYONE APPLYING PAINT AT PDMI & IMPLEMENT CONTROL OF ALL PRODUCTS PURCHASED, (8) MATERIAL EXCHANGE PROCESS TO BE IMPLEMENTED--ISSUE THEN RETURN UNUSED PAINTS TO STOCK.	PHELPS DODGE MINING, MORENCI BRANCH	200281	1
PAINT (WASTES)	REDUCE PAINT WASTE AND REDUCE EMISSIONS OF VOCs BY STOPPING PRODUCTION OF WOODEN CLUBS AND ONLY PERFORM REPAIRS ON EXISTING CLUBS. REDUCE WASTE BY 85% IN PRODUCTION OF WOODEN CLUBS.	THE PROCESS CAN BE CHANGED. THE MANUFACTURE OF THE WOOD CLUBS WILL BE ELIMINATED. THE FACILITY WILL ONLY REPAIR EXISTING CLUBS SENT IN BY CUSTOMERS. NEW CLUBS WILL COME TO THE FACILITY PRE-PAINTED.	PING, INC	200208	13
PAINT	REDUCE THE AMOUNT OF VOCS RELEASED THROUGH THE PAINTING OPERATION.	RESEARCH LOW/NO VOC PAINT PRODUCTS; TEST PRODUCTS; ASK CUSTOMERS IF SUBSTITUTION IS ACCEPTABLE.	SCHUFF STEEL COMPANY-PHOENIX	200574	4
PAINT (WASTES)	REDUCE THE AMOUNT OF HAZARDOUS WASTE GENERATED BY THE PAINT PROCESS.	BY EDUCATING PAINTERS TO REDUCE WASTAGE; BY INSTALLING A DRYING RACK TO ALLOW THE PAINT REMAINING AT THE BOTTOM OF THE PAINT CONTAINERS TO BE DISPOSED OF AS A SOLID WASTE INSTEAD OF A HAZARDOUS WASTE; BY UPGRADING EXISTING SPRAY GUNS USED IN THE PAINTING PROCESS WITH AIRLESS SPRAY GUNS.	SCHUFF STEEL COMPANY-PHOENIX	200574	8
PAINT WASTES	ELIMINATE INCINERATION OF PAINT WASTES IN TRACTOR TRAILER MANUFACTURING. ***INACTIVE FACILITY***	RECYCLE PAINT WASTES BY SENDING TO A FUEL BLENDING PROCESSOR.	STRICK CORPORATION, WESTERN DIV.	200525	1

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
PAINT THINNERS	POLLUTION PREVENTION FOR SOLVENTS AND OTHER VOC MATERIALS (ACETONE, PAINT THINNERS, ETC)	EVALUATE AND IMPLEMENT MATERIAL CONSERVATION AND/ OR STRATEGIES, IDENTIFY AND EVALUATE NEW PROCESSES AND MATERIALS TO REDUCE THESE. REDUCED VOC's BY PRODUCT REPLACEMENT AND USED NON-VOC PROPELLANTS.	STURM RUGER AND COMPANY, INC.	200362	6
PAINT WASTE (NON-HAZ)	REDUCE NON-HAZARDOUS WASTES IN THE FOAMING AND PAINTING OPERATIONS	NEW - SUBSTITUTED DI BASIC ESTER FLUSH WITH WATER. OLD -INSTALL AIR PURGE FOAM GUNS, INSTALL ANOTHER PAINT RECLAIM BOOTH TO REPLACE THE WATER WASH BOOTH TO ELIMINATE PAINT SLUDGE	SUB-ZERO FREEZER CO., INC.	200363	4
PAINT SOLVENTS	PAINT AND LAQUER APPLICATION:	FIND ALTERNATIVES TO SOLVENT BASED CLEANING PRODUCTS AND PAINTS.	THE LARSON COMPANY	200215	25
PAINT WASTE	REDUCE THE DISPOSAL OF SOLID WASTE (INCLUDING PAINT RELATED MATERIAL) BY 50%.	RESEARCH OPPORTUNITY TO RECYCLE SOLID WASTES AND PAINT WASTE.	U.S. MARINE CORPS - YUMA AIR STATION	200407	5
PAINT SOLVENTS/PIGMENTS	REDUCE THE QUANTITY OF PAINT RESIDUE (MIXTURE OF WASTE SOLVENT AND WASTE PAINT) BY 75% BY MAY 1994 AND BY 90% BY 1995	INSTALL RECYCLERS FOR MEK USED FOR GUN CLEANING; PURCHASE NEW PAINTING SYSTEM THAT WILL MIX PAINT AS IT IS BEING USED; PHASE OUT USE OF MEK AND REMOVE DISTILLATION UNITS; USE COMPUTER GENERATED STENCILS	U.S.A.F. - DAVIS MONTHAN	200408	2
PAINT SOLVENTS	REDUCE USE OF SOLVENT BASED PAINT	INSTALL PHYSICAL VAPOR DEPOSITION AND POWDER COATING EQUIPMENT & PROCESS.	WEISER LOCK COMPANY	200435	5
PAINTING	ELIMINATE THE USE OF THINNERS, EPOXIES AND GUN WASH	INSTALL POWDER PAINTING SYSTEM	PROFESSIONAL CHEMICALS CORP	200538	2
PAINTS - POLYURETHANE	(8I) ELIMINATE THE POLY-URETHANE PAINTS USED AT THE FACILITY.	RESEARCH A VIABLE ALTERNATIVE.	TESSENDERLO KERLEY, INC. (PHX)	200210	9
PALADIUM CHLORIDE	REDUCE HAZARDOUS RINSE WATER FROM THE PLAQUE RINSE IN THE ELECTROLESS PLATING TANKS	REMOVE OPERATOR CONTROLLED SPRAY EQUIPMENT, INSTALL FIXED RINSE HEADS, INSTALL A RINSE WATER FILTER AND RECYCLE TANK AND PIPING	ACME ELECTRIC CORP. AEROSPACE DIVISION	200482	9
PARTICULATES	REDUCE/ ELIMINATE THE AMOUNT OF PM10 PARTICULATE EMISSIONS FROM THE SPRAY BOOTHS.	1. EXPERIMENT WITH PARTICULATE FILTERS WITH HIGHER EFFICIENCY; 2. ARRANGE FOR A PAINT APPLICATION EXPERT TO PROVIDE ON-SITE TRAINING CLASSES FOR ALL PAINT SPRAY TECHNICIANS. TRAINING TO BE PROVIDED BY PPS TECHNICIAN AND SHALL BE SPECIFIC TO OUR SITE, OUR PRODUCT, AND OUR EQUIPMENT.	AIR SYSTEM COMPONENTS, L.P.	200019	3
PARTICULATES	COLLECT FUGITIVE PARTICULATE MATTER, CREATING A BETTER WORKING ENVIRONMENT FOR THE EMPLOYEE	INSTALL BAGHOUSE SYSTEM	ARIZONA PACIFIC SPAS	200738	2
PARTICULATES	REDUCE PARTICULATE EMISSIONS FROM THE CONVERTER SECONDARY HOODS GASES BY 35%.	INSTALL A BAGHOUSE AND ROUTE SECONDARY HOOD GASES TO THE BAGHOUSE HOODS, THEREBY REDUCING THE AMOUNT OF GASES GOING TO THE ELECTROSTATIC PRECIPITATOR (ESP). THIS WILL INCREASE THE ESP'S EFFICIENCY ALSO.	ASARCO RAY COMPLEX/HAYDEN SMELTER & CONCENTRATOR	200046	6
PARTICULATES	REDUCE PARTICULATE AND SO2 FUGITIVE EMISSIONS FROM THE FURNACE AND CONVERTERS BY 40%.	REPLACE PROCESS AND POLLUTION CONTROL EQUIPMENT IN THE FURNACE OFF-GAS DRY HANDLING SYSTEM WITH NEW AND IMPROVED WET PROCESS AND POLLUTION CONTROL EQUIPMENT	ASARCO RAY COMPLEX/HAYDEN SMELTER & CONCENTRATOR	200046	8
PARTICULATES	IMPROVE THE SPRAY REMOVAL EFFICIENCY OF THE FILTERS USED AT THE GEL COAT AND CHOP GUN PAINT SPRAY BOOTHS.	INCREASE FILTER REMOVAL EFFICIENCY.	MARLAM INDUSTRIES, INC.	200532	8
PARTICULATES	REDUCE VEHICLE EMISSIONS FROM YARD VEHICLES 1) OBTAIN VARIOUS FUEL ADDITIVE PRODUCTS 12/31/1998 2) CONDUCT TRIALS TO EVALUATE EFFICIENCY 6/30/1999 3) DETERMINE IF IMPLEMENTATION IS APPROPRIATE 12/31/1999 4) INSTITUTE PROCEDURE 12/31/1999.	ADD FUEL ADDITIVE TO FUEL IN YARD VEHICLE TO REDUCE EMISSIONS. WE BEGAN USING DIESEL OIL SUPPLEMENT, POWER SERVICE GAS FUEL SYSTEM CLEANER AND DIESEL KLEEN. THIS PRODUCT IMPROVES FUEL MILEAGE, REDUCES EXHAUST SMOKE AND CLEANS INJECTORS.	NORTH STAR STEEL ARIZONA	200615	9
PARTICULATES	REDUCE THE AMOUNT OF PARTICULATES IN THE FORM OF WOOD DUST ***DROPPED OUT OF PROGRAM***	PURCHASE VALUE ADDED PRODUCTS FROM VENDORS, EVALUATE COMPUTERIZED OPTIMUM CUT PATTERNS, EVALUATE A "RIP TO WIDTH" PROGRAM, INSTALL A NEW BAG HOUSE WITH A 10 MICRON FILTER	OAKCRAFT, INC	200502	3
PARTICULATES	REDUCE THE PARTICULATE MATTER (PM) (AND POSSIBLY ACID MIST) EMISSIONS AT THE SMELTER VENT FUME STACK BY 80%.	INSTALL A HIGH EFFICIENCY BAGHOUSE/ SCRUBBER/ PRECIPITATOR.	PHELPS DODGE MIAMI INC.	200115	28
PARTICULATES	REDUCE OPACITY LEVELS AT THE SMELTER CONVERTER BY 40%	INSTALL AN OPACITY METER (DEVICE FOR READING OPACITY LEVELS). WHEN LEVELS INCREASE, THE DATA IS RECORDED AND MECHANICAL ADJUSTMENTS TO EQUIPMENT CAN BE MADE	PHELPS DODGE MIAMI INC.	200115	29
PARTICULATES	REDUCE PARTICULATE MATTER (PM) GENERATED IN BELTING SYSTEMS BY 10%	RESEARCH AND UTILIZE CHEMICAL DUST SUPPRESSANTS FOR USE ON TRANSFER POINTS ON BELTING SYSTEMS AT THE SMELTER	PHELPS DODGE MIAMI INC.	200115	30

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
PARTICULATES	REDUCE CO, NOX, AND PM10 EMISSIONS FROM TORCH CUTTING AND HEATING PROCESSES.	REPLACE NATURAL GAS USED AS A CUTTING FUEL GAS WITH PROPYLENE IN SMALL CYLINDERS. PROPYLENE HAS A HIGHER ENERGY CONTENT (2,371 BTU/GAL COMPARED TO 1,000 BTU/GAL FOR NATURAL GAS). CUTTING SPEED IS ALSO INCREASED USING PROPYLENE. LESS GAS WILL BE CONSUMED DURING CUTTING, THEREBY REDUCING EMISSIONS. EMISSIONS WILL ALSO BE REDUCED BY ELIMINATING LOSSES TO LEAKS IN THE NATURAL GAS DELIVERY SYSTEM. USING GASES IN BULK AND CYLINDERS WILL MAKE TRACKING INVENTORY, EFFICIENCY, AND THROUGHPUT EASIER AND MORE ACCURATE.	SCHUFF STEEL COMPANY-GILBERT	200681	1
PARTICULATES	REDUCE FUGITIVE DUST/ PM10 EMISSIONS FROM ABRASIVE BLASTING OPERATIONS (PHOENIX).	UPGRADE BLAST CHAMBER AND BAGHOUSE EQUIPMENT TO ALLOW BETTER BAGHOUSE EFFICIENCIES AND TO ALLOW THE BLAST CHAMBERS TO BE USED AT FULL CAPACITY. REDUCE THE AMOUNT OF OUTDOOR BLASTING. OUTDOOR BLAST ONLY ITEMS WHICH CANNOT FIT THROUGH BLAST CHAMBERS.	SCHUFF STEEL COMPANY-GILBERT	200681	3
PARTICULATES	REDUCE FUGITIVE DUST/PM10 EMISSIONS FROM ABRASIVE BLASTING OPERATIONS (GILBERT).	UPGRADE BLAST CHAMBER AND BAGHOUSE EQUIPMENT TO ALLOW BETTER BAGHOUSE EFFICIENCIES AND TO ALLOW THE BLAST CHAMBERS TO BE USED AT FULL CAPACITY. REDUCE THE AMOUNT OF OUTDOOR BLASTING. OUTDOOR BLAST ONLY ITEMS WHICH CANNOT FIT THROUGH BLAST CHAMBERS.	SCHUFF STEEL COMPANY-GILBERT	200681	4
PARTICULATES	3.4b REDUCE AIR PARTICULATES RESULTING FROM BURNING SCRAP PROPELLANT & OXIDIZERS ON THE BURN PAD.	(1) REDUCE THE USE OF THE BURN PAD THAT HAS A PARTICULATE EFFICIENCY OF 17%. INSTEAD, USE THE THERMAL TREATMENT UNIT AS THE PRIMARY DISPOSAL UNIT TO BURN AT LEAST 75% (WAS 85%) OF THE MATERIAL. (2) SEGREGATE PROPELLANTS AND PARTS TO MINIMIZE THE AMOUNT OF MATERIAL ON THE BURN PAD.	UNIVERSAL PROPULSION COMPANY INC.	200421	14
PARTICULATES	3.4c REDUCE AIR PARTICULATES RESULTING FROM BURNING EXPLOSIVE DEVICES ON THE BURN PAD.	REDUCE THE NUMBER OF DEVICES DISPOSED ON THE BURN PAD AND REDUCE THE NET EXPLOSIVE WEIGHT (N.E.W.) OF DEVICES DISPOSED BY 10%. THIS TO BE DONE BY MODIFYING PRODUCTION PRACTICES TO INCORPORATE LEAN THINKING PRINCIPLES THAT MINIMIZE EXCESS PARTS, REWORKS, ETC. INVESTIGATE POSSIBILITY OF MODIFYING THE THERMAL TREATMENT UNIT TO DISPOSE OF PARTS IN THE TTU RATHER THAN ON THE BURN PAD.	UNIVERSAL PROPULSION COMPANY INC.	200421	15
PC-4	REDUCE VOC EMISSIONS ON PAL 1 LINE.	BY INVESTIGATING LOW OR NO VOC ALTERNATIVE CHEMISTRIES.	SANMINA - SCI	200669	41
PC-4	REDUCE VOC EMISSIONS ON PAL 2 AND 3 LINES.	BY INVESTIGATING LOW OR NO VOC ALTERNATIVE CHEMISTRIES.	SANMINA - SCI	200669	44
PCB	INITIATE REMOVAL OF PCB BEARING LIQUID FILLED TRANSFORMERS (64) AND RETRO FILL OF 1 REMAINING CONTAMINATED TRANSFORMER	REPLACED PCB TRANSFORMERS WITH SILICON (NON-PCB) LIQUID FILLED TRANSFORMERS	BHP COPPER, SAN MANUEL SMELTING AND REFINING	200226	1
PCB OIL	REPLACE PCB OIL WITH NON-TOXIC TRANFORMER OIL	REPLACE 500 GAL. TOXIC PCB WIITH A NON-TOXIC OIL. ACTION PLAN: 1. CONTACT CONTRACTERS TO TEST, REMOVE, TRANSPORT AND DISPOSE OF TOXIC OIL BY 2/1/97 2. SAMPLE TRANSFORMER OIL BY 4/30/97. 3. DETERMINE MEANS REQUIRED TO HANDLE THE REMOVAL BY 6/30/97. 4. OBTAIN QUOTES BY 7/30/97. 5. SEEK COST APPROVAL 8/15/97. 6. REMOVE, REPLACE AND SHIP OIL BY 9/1/97. 7. SAMPLE & RETEST TRANSFORMER OIL FOR PCB'S BY 12/1/97.	MICROSEMI CORP.	200246	12
PCB	REPLACE PCB OIL WITH NON-TOXIC TRANFORMER OIL	REPLACE 500 GAL. TOXIC PCB WIITH A NON-TOXIC OIL. ACTION PLAN: 1. CONTACT CONTRACTERS TO TEST, REMOVE, TRANSPORT AND DISPOSE OF TOXIC OIL BY 2/1/97 2. SAMPLE TRANSFORMER OIL BY 4/30/97. 3. DETERMINE MEANS REQUIRED TO HANDLE THE REMOVAL BY 6/30/97. 4. OBTAIN QUOTES BY 7/30/97. 5. SEEK COST APPROVAL 8/15/97. 6. REMOVE, REPLACE AND SHIP OIL BY 9/1/97. 7. SAMPLE & RETEST TRANSFORMER OIL FOR PCB'S BY 12/1/97.	MICROSEMI CORP.	200246	12
PCB	REDUCE PCB CONTAINING OIL INVENTORY. (GOAL 1, PROCESS AREA # 10).	RETROFIT SIX (1000 kVA) PCB CONTAINING TRANSFORMERS IN MILL FLOTATION VAULT - BOTTOM FLOOR (5) AND LEACH VAULT (1).	PHELPS DODGE SIERRITA, INC.	200694	10
PCB	MAINTENANCE: ELIMINATE PCB CONTAINING ELECTRICAL EQUIPMENT ***INACTIVE FACILITY***	SAMPLE ELECTRICAL EQUIPMENT (CAPACITORS, TRANSFORMERS) THROUGHOUT COMPLEX AND REPLACE	PHELPS DODGE BAGDAD, INC.	200114	9
PCB	REDUCE PCB WASTES TO BELOW REGULATION LEVELS	IMPLEMENT ALTERNATE DISPOSAL PLAN, WHICH HAS BEEN ISSUED BY EPA.	TRANSWESTERN PIPELINE CO-STA. 1 KINGMAN	200386	2
PD 680 TYPE III SOLVENT	ELIMINATE USE OF PD-680 SOLVENT IN COLD CLEANING OF AIRCRAFT COMPONENTS.	REPLACE PD-680 WITH APPROVED NON-HAZ ALTERNATIVE SOLVENT AND USE IN PARTS WASHERS WITH FILTER UNITS.	AZ ARMY NATIONAL GUARD	200695	1
PD 680 TYPE III SOLVENT	REDUCE CLEANING AND DEGREASING OPERATIONS THAT USE PD680 AND SAFETY KLEEN SOLVENTS BY 75%.	REPLACE SOLVENTS WITH AQUEOUS OR LOW VAPOR PRESSURE COMPOUNDS WHERE SUITABLE.	U.S. ARMY - YUMA PROVING GROUND	200406	6
PD 680 TYPE III SOLVENT	ELIMINATE PD-680 USED BY THE 56TH CRS HYDRAULIC SHOP TO CLEAN A VARIETY OF AIRCRAFT HYDRAULIC ACTUATOR PARTS.	REPLACE PD-680 WITH 724 OR SIMILAR SUBSTITUTE.	U.S.A.F. - LUKE	200409	23

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
PENETONE 724	ELIMINATE PENETONE 724 USED BY THE 607TH TO CLEAN A VARIETY OF VEHICLE PARTS.	TEST VIABILITY OF USING SAFETY KLEEN INSTEAD OF PENETONE 724 AND START RECYCLING CONTRACT	U.S.A.F. - LUKE	200409	22
PERC	ELMINATE THE USAGE OF1,1,1-TCA, CARBON TETRACHLORIDE, METHYLENE CHLORIDE, PERC AND TRICHLOROETHYLENE.	EVALUATE SUBSTITUTES; DISAPPROVE THESE CHEMCIALS FOR ON-SITE USE AND RESTRICT REORDER CAPABILITY.	APS PALO VERDE NUCLEAR	200042	1
PERCHLORETHYLENE	ELIMINATE USE OF SAFETY KLEEN 105 SOLVENT WHICH CONTAINS PCE AND HAS A FLASH POINT OF 105 DEGREES FARENHEIT.	REPLACED WITH STODDARD 140 SAFETY SOLVENT (NON-HAZARDOUS)	ASARCO - MISSION COMPLEX (SAHUARITA)	200047	1
PERCHLORETHYLENE	REDUCE THE USE OF PERCHLOROETHYLENE BY 80%.	PROCEDURAL CHANGE, SOLVENT SUBSTITUTION AND CHANGING PRECLEANING PROCESS.	CHEM RESEARCH CO	200085	1
PERCHLORETHYLENE	PARTS CLEANERS: REDUCE THE USE OF CORROSIVE CARBURETOR CLEANER CONTAINING CADMIUM, CHROMIUM, PCE, & TCE	ELIMINATE PROCESS AND SUBSTITUTE WITH RECYCLABLE CLEANERS (NON-CORROSIVE)	GM DESERT PROVING GROUNDS	200154	2
PERCHLORETHYLENE	REDUCE PERCHORETHYLENE EMISSIONS FOR A TOTAL REDUCTION OF 25% OVER 2 YEARS	TRAIN OPERATORS IN BEST MGMT PRACTICES FOR USAGE OF THE VAPOR DEGREASER, TRACK USAGE MONTHLY.	KACHINA TECH SERV & PROCESS (KTSP)	200697	1
PERCHLORETHYLENE	REDUCE PERCHLOROETHYLENE USAGE.	UTILIZE AN AQUEOUS PRE-CLEANER OF PARTS AND RESEARCH SOLVENT SUBSTITUTIONS.	KARSTEN PRECISION, HEAT TREAT DIVISION	200342	6
PERCHLORETHYLENE	REDUCE PERCHLOROETHYLENE EMISSIONS 67% BY 12/31/96 AND 72% BY 12/92/97	1) INVESTIGATE/DETERMINE COMPLIANCE WITH NESHAP REQUIREMENTS FOR EMISSION LIMITS, WORK PRACTICES, ININTIAL PERFORMANCE TESTING, ONGOING COMPLIANCE MONITORING, RECORDKEEPING AND REPORTING, 2) COMPLETE ANY MODIFICATIONS AND PERFORM INITIAL TESTING	TREFFERS PRECISION, INC.	200391	4
PERCHLORETHYLENE	REDUCE PCE EMISSIONS BY 80% BY 12/31/1998 AND 90% BY 12/31/1999 AND 100% BY 12/31/2000.	REPLACE PCE WITH ANOTHER SOLVENT OR AN AQUEOUS OR SEMI-AQUEOUS CLEANER, REPLACE PROCESS EQUIPMENT, MODIFY PROCESS PROCEDURE	TREFFERS PRECISION, INC.	200391	5
PERCHLORETHYLENE	REDUCE TOTAL PERCHLOROETHYLENE USAGE IN THE PLANT BY 70%. ELIMINATE HI-RELIABILITY PRODUCT LINE.	CEASE MANUFACTURING PRODUCTS AS HI-RELIABILITY CERTIFIED.	TUSONIX INC.	200402	13
PERCHLORETHYLENE	ELIMINATE THE USE OF 1,1,1 TCA BY 4/93 AND PERCHLOROETHYLENE BY 7/94 GENERATING SLUDGE FROM BATCH DISTILLATION	BUY EQUIPMENT TO REPLACE TCA WITH PERCHLOROETHYLENE; STUDY ALTERNATIVES FOR PERCHLOROETHYLENE.	TUSONIX INC.	200402	3
PERCHLORETHYLENE	REDUCE THE QUANTITY OF HAZARDOUS PETROLEUM NAPTHA WASTE THAT RESULTS FROM METAL PARTS WASHING.	1. UTILIZE ON-SITE RECYCLING. 2. FIND AND USE NON-HAZARDOUS SUPPLEMENTAL WASH SOLUTIONS.	U-HAUL INTERNATIONAL TECHNICAL CENTER	200403	5
PERCHLOROETHYLENE	ELIMINATE TRICHLOROETHANE USED TO DEGREASE METAL PARTS.	RESEARCH AND USE A NON-HAZARDOUS SUSBSITUTUE; PURCHASE A NEW DEGREASER WITH DOUBLE COOLING COILS TO REDUCE VAPORIZATION; USE PERCHLOROETHYLENE AS PRIMARY DEGREASER.	ANOCAD PLATING & PAINTING CO, INC.	200037	4
PERCHLOROETHYLENE	WASTE OIL HANDLING: REDUCE THE QUANTITY OF HAZ WASTE GENERATED (IE.OIL CONTAMINATED WITH SOLVENTS).	SEGREGATE USED OIL FROM SOLVENTS GENERATED DURING MAINTENANCE AND OTHER ACTIVITIES	DOLPHIN, INCORPORATED	200125	3
PERCHLOROETHYLENE	SOLVENT CLEANING OPS:REPLACE TETRACHLOROETHENE (PCE) USED IN WIPE CLEANING AND MAINTENANCE.	REPLACED PCE WITH "PC 205" BY ORANGE-SOL, INC.	DOLPHIN, INCORPORATED	200125	4
PERCHLOROETHYLENE	REDUCE VAPOR LOSSES IN PERCHLOROETHYLENE VAPOR DEGREASERS	ENSURE PROPER OPERATION; MAINTAIN PROPER HEAT BALANCE; MINIMIZE VAPOR DIFFUSION; MINIMIZE WATER CONTAMINATION	KARSTEN PRECISION, HEAT TREAT DIVISION	200342	1
PERCHLOROETHYLENE	MAINTENANCE: REDUCE HALOGENATED SOLVENT USE AT TRUCK WASH AND MINE SHOP AND WASH RACK	INVESTIGATE REPLACEMENT WITH SUBSTITUTES SUCH AS SAFETY KLEEN; POSSIBLE SOLVENT RECYCLING	PHELPS DODGE BAGDAD, INC.	200114	11
PERCHLOROETHYLENE	REDUCE ANNUAL PERCHLOROETHYLENE EMISSIONS BY 30% BY 12/31/93 AND 40% BY 12/31/94 BASED ON A 1990 ADJUSTED BASELINE,70% BY DEC. 31, 1996	TRAINED USERS ON THE PROPER OPERATION OF THE PERC VAPOR DEGREASER TANK; ADDED EXTRA COOLING COILS AROUND TANK TO IMPROVE THE VAPOR LAYER EFFECT	TREFFERS PRECISION, INC.	200391	1
PERCHLOROETHYLENE	REDUCE THE AMOUNT OF SOLVENT WASTE GENERATED BY DRY-CLEANING AND VEHICLE MAINTENANCE (PERCHLORO-ETHANE; MINERAL SPIRITS).	INSTALL A SOLVENT DISTILLATION UNIT FOR PERCHLOROETHANE AND MINERAL SPIRITS.	U.S. ARMY - FORT HUACHUCA	200404	1
PERCHOLOETHYLENE	ELIMINATE THE USE OF TWO "313" CHEMICALS (N-BUTYL ALCOHOL, PERCHLOROETHYLENE) CALLED CYPWASH USED FOR CLEANING AND CURING PRINTING PLATES	SUBSTITUTE WITH A DUPONT PRODUCT CALLED "OPTISOL" (A WATER/AMMONIA BLEND) THEN RECYCLE THE OPTISOL ON-SITE FOR AN 80% RECOVERY	FORTUNE PLASTICS OF AZ, INC	200141	2
PEROXYMONOSULFAR	REDUCE THE GENERATION OF SPENT MICROETCH BY 1. CONTACTING SHIPLEY REGARDING REGENERATION OPTIONS 2. IMPLEMENT OPTIONS & MONITOR GENERATION, 3. INVESTIGATE ALTERNATIVE CHEMISTRIES, 4 EVALUATE ALTERNATIVE CHEMISTRIES	1. BY REGENERATING SPENT ETCHANT 2. BY MATERIAL SUBSTITUTION	QUICK TURN CIRCUITS, INC.	200596	5

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
PETRO CONTAMINATED SOIL	CONTAMINATED SOIL - CLEAN-UP (1) REDUCE QUANTITY OF UNNECESSARY SOIL CLEANED UP BY 35%. REFER TO GOAL 9 FOR MEASUREMENT AGAINST BASELINE.	(1) EDUCATE OPERATORS IN PROPER CLEAN UP TECHNIQUES; (2) REVISE AND IMPLEMENT SPILL REPORTING AND CLEANUP PROCEDURES; (3) USE APPROPRIATE EQUIPMENT FOR THE SIZE OF THE SPILL.	PHELPS DODGE MINING, MORENCI BRANCH	200281	12
PETRO CONTAMINATED SOIL	COMMUNITY SERVICE DEPT. HEAVY VEHICLE PARKING: REDUCE OR ELIMINATE PETROLEUM CONTAMINATION FROM STORM EVENTS	INSTALL AN OIL/WATER SEPARATOR IN STORM DRAIN; INSPECT HEAVY EQUIPMENT FOR LEAKS AND REPAIR **DROPPED**	PHELPS DODGE BAGDAD, INC.	200114	2
PETRO CONTAMINATED SOIL	REDUCE THE QUANTITY OF PETROLEUM CONTAMINATED SOILS (PCS) GENERATED AS A RESULT OF SPILLS AND LEAKS.	IMPROVE EMPLOYEE TRAINING, SOPS, AND RESPONSE TO GENERAL MAINTENANCE NEEDS.	PHELPS DODGE BAGDAD, INC.	200114	26
PETRO CONTAMINATED SOIL	REDUCE PETROLEUM CONTAMINATED SOIL BIOTREATMENT BY 10%. (GOAL 1, PROCESS AREA #4).	INCORPORATE WASTE GENERATION AND SPILL CONTROL METHODS IN ANNUAL ENVIRONMENTAL TRAINING. INSTITUTE BETTER HOUSEKEEPING PROCEDURES TO PREVENT PETROLEUM RELEASES AND CONTAMINATION. EDUCATE EMPLOYEES ON UTILIZATION OF GOOD HOUSEKEEPING PROCEDURES. RESEARCH USING DIESEL CONTAMINATED SOIL AS BLASTING AGENT.	PHELPS DODGE SIERRITA, INC.	200694	4
PETRO CONTAMINATED SOIL	MAINTENANCE- LUBE OIL STORAGE CONTAINMENT: REDUCE SPILLS AND PETRO-LEUM CONTAMINATION	CONSTRUCT NEW STORAGE CON-TAINMENT AREA, UNLOADING AND SERVICE PAD TO PREVENT PETROLEUM PRODUCTS FROM REACHING THE GROUND	PHELPS DODGE BAGDAD, INC.	200114	7
PETRO CONTAMINATED SOIL	REDUCE THE GENERATION AND TREATMENT OF PETROLEUM CONTAMINATED SOIL. (GOAL 1, PROCESS AREA # 9).	REPLACE EXISTING PORTABLE FUEL ISLAND IN SIERRITA PIT WITH A NEW FUEL ISLAND WITH AN ADEQUATE SECONDARY CONTAINMENT STRUCTURE, INCLUDING CONTAINMENT FOR THE LOADING / OFF-LOADING SYSTEM.	PHELPS DODGE SIERRITA, INC.	200694	9
PETROLEUM NAPTHA	ELIMINATE 50% OF THE METAL PARTS CLEANER. ***INACTIVE FACILITY***	RESEARCH A LESS TOXIC CLEANER; OFF-SITE RECYCLING PROGRAM FOUND TO BE ECONOMICALLY INFEASIBLE.	ABBOTT LABORATORIES	200326	4
PETROLEUM DISTILLATES	REDUCE USE OF SOLVENT IN SHEET METAL STAMPING.	REPLACE SOLVENT WITH AN ACCEPTABLE SUBSTITUTE	ADOBEAIR, INC.	200008	1
PETROLEUM NAPTHA	ELIMINATE THE USE OF SAFETY-KLEEN NAPHTHA BASED PARTS CLEANER.	UTILIZE THE HIGH PRESSURE WATER SPRAY CLEANING CABINETS THAT ARE ALREADY IN PLACE FOR ALL CLEANING.	ADOT- SAFETY AND HEALTH SECTION	200009	14
PETROLEUM NAPTHA	REDUCE PETROLEUM NAPTHA WASTES BY 15%.	SUBSTITUTE WITH NONTOXIC SOLVENT AND USE MORE EFFICIENTLY.	ADOT- SAFETY AND HEALTH SECTION	200009	2
PETROLEUM NAPTHA	REDUCE NAPHTHA SOLVENT EMISSIONS.	KEEP LID ON PARTS CLEANER CLOSED AT ALL TIMES WHEN NOT IN USE. POST SIGN AND INFORM EMPLOYEES.	ADOT- SAFETY AND HEALTH SECTION	200009	21
PETROLEUM NAPTHA	REDUCE AMOUNT OF STODDARD SOLVENT USED FOR PARTS CLEANING.	REPLACED STODDARD SOLVENT WITH JET PRESSURE PARTS WASHERS USING WATER AND BIODEGRADEABLE SOAP AND OTHER TYPES OF PART WASHERS WITH LESS HAZARDOUS SOLVENTS	AZ DEPT OF EMERGENCY MILITARY AFFAIRS	200058	1
PETROLEUM LEAKS	SITE WIDE 1F: STORMWATER POLLUTION PREVENTION	ACTIONS 1-10: REROUTE/ ELIMINATE NON-PERMITTED DISCHARGES; IMPLEMENT SWPPP; COVER HOT OIL SYSTEM; COVER DRUM STORAGE	CYTECFIBERITE	200185	14
PETROLEUM DISTILLATE(INK)	MINIMIZE INK USAGE AND WASTE	REDUCE LITHO SECTION OF THE PRESS WASH CYCLE; AN EXTENDED PRESS WASH UP PROCEDURE WAS IMPLEMENTED WHICH INCLUDES REUSING INK	DELUXE CHECK PRINTERS	200120	3
PETROLEUM NAPTHA	ELIMINATE USE OF DCOP AS A NUMBERING MACHINE CLEANER (CONTAINS SOLVENT AND LUBRICATION OIL)	ADD AN INTERNAL LUBRICATION UNIT FOR OILING; USE KWIK DRI AS A CLEANER (NON-OZONE DEPLETER)	DELUXE CHECK PRINTERS	200120	4
PETROLEUM NAPTHA	REDUCE USE OF SAFETYKLEEN SOLVENT 105 AND 150 IN MAINTENANCE OPERATIONS		EVERGREEN AIR CENTER. INC	200138	3
PETROLEUM NAPTHA	REDUCE THE AMOUNT OF VOC EMISSIONS AND HAZARDOUS WASTE GENERATED FROM PARTS CLEANING.	REPLACE PETROLEUM NAPTHA SOLVENT USED IN DEGREASING AND PARTS CLEANING WITH A NON-HAZARDOUS SOLVENT; FILTER SOLVENTS TO REDUCE FREQUENCY OF CHANGING TO EXTEND SOLVENT LIFE.	GM DESERT PROVING GROUNDS	200154	6
PETROLEUM DISTILLATES	ELIMINATE USE OF PETROLEUM DISTILLATES FOR PARTS WASHING BY DECEMBER 31, 1999 THROUGH EVALAUTION OF ALTERNATIVE CHEMICALS OR DISCONTINUANCE.	EVALUATE OPTIONAL CHEMICAL USE OR DISCONTINUANCE OF PRACTICE. NAPHALENE NO LONGER USED IN HOUSE.	HERAEUS INC.--MATERIALS TECH. DIVISION	200171	5
PETROLEUM DISTILLATES	REDUCE VOC EMISSIONS FROM SOLVENT CLEANING ACTIVITIES BY 5%.	MATERIAL SUBSTITUTION AND/ OR PROCESS AND EQUIPMENT MODIFICATIONS.	HONEYWELL ENGINES AND SYSTEMS	200149	26
PETROLEUM NAPTHA	REDUCE SAFETY CLEAN SOLVENT USE (PETROLEUM NAPTHA) BY 65% COMPARED TO THE AVERAGE 1992 VOLUME USE	CHANGE OUT THE SOLVENT LESS OFTEN; IMPLEMENT A CYCLONIC CLEANER TO MAINTAIN SOLVENT LONGER; REPLACE WITH A CLOSED LOOP AQUEOUS CLEANER IN SPECIFIC APPLICATIONS	HUCK FASTENERS	200183	4

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
PETROLEUM NAPTHA	ELIMINATE SOLVENT TANK AND ASSOCIATED SOLVENTS.	WE WILL REPLACE OUR EXISTING SOLVENT TANK WITH A PARTS WASHER THAT USES NUTRACLEAN 9, A NON-TOXIC, BIO-DEGRADABLE CLEANING AGENT.	JOHNS MANVILLE INTERNATIONAL INC.	200227	15
PETROLEUM DISTILLATES	REDUCE AMOUNT OF VOC EMISSION FROM MINERAL SPIRITS FROM THE STAINING OF THE REDWOOD CABINET AND PANELS.	REPLACE CURRENT STAIN WITH A TYPE THAT HAS A LOWER VOC CONTENT	MAAX SPAS ARIZONA, INC.	200102	12
PETROLEUM DISTILLATES	REDUCE AMOUNT OF STAIN NEEDED PER SPA. ACTION PLAN (1) PANEL DESIGN.	INTRODUCE NEW LOW DENSITY POLY ETHYLENE (LDPE) PANELS IN PLACE OF REDWOOD.	MAAX SPAS ARIZONA, INC.	200102	13
PETROLEUM DISTILLATES	REDUCE AMOUNT OF WOOD IN CABINET NEEDING STAIN.	DESIGN MODELS WITHOUT THE REDWOOD TOP RAIL.	MAAX SPAS ARIZONA, INC.	200102	14
PETROLEUM DISTILLATES	REDUCE VOC EMISSIONS FROM OIL BASED WOOD STAIN (CONTAINING FLAMMABLE MINERAL SPIRITS) AND PERSERVATIVE.	REPLACED OIL BASED WITH WATER BASED STAIN	MAAX SPAS ARIZONA, INC.	200102	5
PETROLEUM NAPTHA	REDUCE PETROLEUM NAPTHA SOLVENT USED TO CLEAN TOOLS AND ENGINE PARTS.	EVALUATE ALTERNATIVES SUCH AS PENRICO AND MIRACHEM; MECHANICS SATISFIED WITH THE "GREEN MACHINES" AND SAFETY KLEEN PRODUCTS.	PIMA COUNTY MISSION ROAD COMPLEX	200527	3
PETROLEUM NAPTHA	ELIMINATE PETROLEUM NAPTHA AS A PARTS CLEANER.	REPLACE WITH MIRACHEM-500 (CITRUS BASED).	PROCTER & GAMBLE MFG	200302	3
PETROLEUM DISTILLATES	IDENTIFY AND REPLACE VARIOUS CLEANING PRODUCTS THAT CONTAMINATE THE NON-HAZARDOUS PARTS WASHING SOLVENT.	PRODUCT SUBSTITUTION FOR NON-HAZARDOUS INGREDIENTS.	REVLON CONSUMER PRODUCTS CORP.	200315	5
PETROLEUM NAPTHA	RECYCLE SPENT RINSOLVE 140	CONTACT LOCAL OIL RECYCLER FOR REUSE IN PETROLEUM PRODUCTS OR RECYCLE AS A BURNER FUEL FOR CEMENT KILNS OR ASPHALT BATCH PLANTS	TALLEY DEFENSE SYSTEMS - PLT 4	200370	10
PETROLEUM, OIL, LUBRICANT	IMPROVE PETROLEUM, OIL AND LUBRICANT (POL) MANAGEMENT FOR CONTAMINATED, RECYCLABLE, AND OIL/WATER SEPERATOR POL'S	EVALUATE OIL/WATER SEPARATORS FOR PROPER OPERATION; ADD TRAINING PROGRAM; RE-REFINE CONTAMINATED POLs (FROM SHOP ACTIVITIES) IMPROVE MAINTENANCE.	U.S.A.F. - LUKE	200409	3
PETROLEUM	REDUCE DISPOSAL OF SOIL FROM POL - PETROLEUM, OIL OR LUBRICANT OR OTHER ACCEPTABLE HAZARDOUS MATERIAL SPILLS.	OBTAIN COE SPECIFICATION TO USE SOIL FROM A SPILL SITE IN ASPHALT STABILIZATION PROJECTS.	U.S.A.F. - LUKE	200409	34
PETROLEUM	REDUCE DISPOSAL OF SOIL CONTAMINATED BY PETROLEUM OIL, OR LUBRICANT (POL) SPILLS.	CONTINUE TO SEARCH FOR FUNDING AND CONSTRUCT COMPOSTING FACILITY AT WWTF SITE.	U.S.A.F. - LUKE	200409	35
PETROLEUM NAPTHA	REDUCE AMOUNT OF PETROLEUM NAPTHA CONTAMINATED BY OTHER HAZARDOUS LIQUIDS AND CONTRIBUTING TO A LARGER HAZ VOLUME	PROVIDE SEPERATE DRUMS FOR SEPARATION OF PETROLEUM NAPTHA FROM OTHER HAZ WASTE; SUBSTITUTE A NON-RCRA PETROLEUM NAPTHA.	W. L. GORE & ASSOC.(4TH ST.)	200429	1
PETROLUEM NAPTHA (SK-105)	REDUCE THE USE OF SOLVENT BASED PARTS CLEANER (SK-105 PETROLEUM NAPTHA - SAFETY KLEEN) AND RELATED WASTE GENERATION (350 GAL/YR)	CHANGE TO A NON-HAZARDOUS SOLVENT (SK-150) AND REDUCE THE AMOUNT OF PARTS CLEANING WASTE WITH A TANK CYCLONIC FILTERING SYSTEM	BORDEN FOODS COMPANY	200495	1
PHENOL	ELIMINATE HAZARDOUS AIR POLLUTANTS USED FOR CLEANING	REPLACE WITH A LESS HAZARDOUS OR NON HAZARDOUS CLEANER	CYTECFIBERITE	200185	47
PHENOL	REDUCE THE USE OF METHYLENE CHLORIDE IN THE PAINT STRIPPER.	UTILIZE LESS %CONCENTRATION OF METHYLENE CHLORIDE. REPLACE OLD 54% STRIPPER WITH NEW 50% METHYLENE CHLORIDE STRIPPER. EVALUATE ALTERNATIVE PAINT STRIPPERS.	EVERGREEN AIR CENTER. INC	200138	1
PHENOL	REDUCE THE USE OF PAINT STRIPPING SOLVENTS: PHE- NOL; METHYLENE CHLORIDE **GOAL DROPPED**	INVESTIGATE THE USE OF MECHANICAL STRIPPERS FOR PAINT STRIP BY 9/94 TO REPLACE SOLVENTS	KACHINA AEROSPACE & SEMICONDUCTOR	200203	6
PHENOL	REDUCE BINDER DISPOSAL AND SPILLS	BETTER STORAGE AND INVENTORY PRACTICES, AND TRACKING OF RAW MATERIALS. 7/00 - SWITCHED BINDER TO A SYSTEM WITH 60% REDUCTION IN VOC EMISSIONS. NEW SYSTEM HAS TWO PARTS (2 CONTAINERS) AS OPPOSED TO THREE PARTS (3 CONTAINERS) WHICH RESULTS IN FEWER CONTAINERS ON SITE AND STORAGE LOCATIONS, (I.E. FEWER SPILLS).	ME GLOBAL INC.	200079	12
PHENOL	REDUCE OR ELIMINATE PHENOL AND/OR METHYLENEBIS	CONTACT SUPPLIER TO SEE WHAT OPTIONS EXIST FOR REDUCING CONCENTRATION OF PHENOL AND/OR METHYLENEBIS. FOUND THAT PRESENT BINDER SYSTEM IS STATE OF THE ART FOR THE NO-BAKE MOLDING SYSTEM.	ME GLOBAL INC.	200079	2
PHENOL	REDUCE EKC 712-D EMISSIONS BY 20% IN THE EPOXY DEFLASH AREA	IMPLEMENT A MECHANICAL EPOXY DEFLASH SYSTEM. ACTION PLAN: 1. INVESTIGATE AVAILABILITY OF EQUIPMENT - 6/2000. 2. SUBMIT SAMPLES TO VENDOR FOR DEFLASHING EVALUATION - 12/2000. 3. EVALUATE DEFLASHED SAMPLES IN-HOUSE - 5/2001. 4. QUALITY ASSURANCE APPROVAL 10/2001. 5. PURCHASE AND INSTALL EQUIPMENT 4/2002. 6. TRAIN OPERATORS AND BEGIN OPERATIONS - 7/2002.	MICROSEMI CORP.	200246	15

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
PHENOL	REDUCE EKC 712-D WASTE BY 20% IN THE EPOXY DEFLASH AREA	IMPLEMENT A MECHANICAL EPOXY DEFLASH SYSTEM. ACTION PLAN: 1. INVESTIGATE AVAILABILITY OF EQUIPMENT - 6/2000. 2. SUBMIT SAMPLES TO VENDOR FOR DEFLASHING EVALUATION - 12/2000. 3. EVALUATE DEFLASHED SAMPLES IN-HOUSE - 5/2001. 4. QUALITY ASSURANCE APPROVAL 10/2001. 5. PURCHASE AND INSTALL EQUIPMENT 4/2002. 6. TRAIN OPERATORS AND BEGIN OPERATIONS - 7/2002.	MICROSEMI CORP.	200246	17
PHENOL	REDUCE THE QUANTITY OF E.K.C. 712-D (PHENOL, TRICHLOROBENZENE) USED IN DEFLASHING OF EPOXY MOLDED SURFACE MOUNT DEVICES	PURCHASE AND INSTALL A MECHANICAL MEDIA DEFLASHING SYSTEM TO ELIMINATE THE USE OF 712-D	MICROSEMI CORP.	200246	9
PHENOL	REDUCE THE AMOUNT OF FORMALDEHYDE AND PHENOL USED. ACTION PLAN: 1. RESEARCH ALTERNATIVES RESINS. 2. TEST ALTERNATIVE RESINS. 3. IMPLEMENT BEST ALTERNATIVE. (THE REDUCTION OF RESIN WAS 0, HOWEVER THE PERCENTAGES OF FORMALDEHYDE AND PHENOL WAS REDUCED BY 2% AND 0.4% RESPECTIVELY.)	REPLACE RESIN GP-2889 WITH A LOWER FORMALDEHYDE AND PHENOL CONTENT RESIN.	MUNTERS CORPORATION	200261	2
PHENOL	REDUCE RISK OF LEAKS FROM FORMALDEHYDE AND PHENOL CARRYING PIPES. ACTION PLAN: 1. RESEARCH ALTERNATIVE METHODS. 2. DETERMINE COST EFFECTIVENESS. 3. IMPLEMENT BEST ALTERNATIVE.	REPLACE IMPREGNATION MIX PRESSURIZED OVERHEAD PIPE TRANSMISSION SYSTEM WITH A NON-PRESSURIZED SYSTEM.	MUNTERS CORPORATION	200261	3
PHENOL	REDUCE FORMALDEHYDE AND PHENOL FUGITIVE EMISSIONS. ACTION PLAN: RESEARCH ALTERNATIVE METHODS. 2. DETERMINE MOST EFFICIENT. 3. IMPLEMENT BEST ALTERNATIVE.	IMPROVE CAPTURE EFFICIENCY OF HOODS AND AIR COLLECTION SYSTEM IN CORREGATING MACHINES. INSULATE MACHINES BETTER.	MUNTERS CORPORATION	200261	4
PHENOL	AVOID HAVING TO SCRAP 3800 GALLONS OF RESIN DUE TO EXPIRED SHELF LIFE	COMPLETE ENGINEERING ANALYSIS OF RESIN DEGREDATION; IMPLEMENT STORAGE RECOMMENDATIONS; TRACK RESIN USAGE TO DEPLETE INVENTORY; MODIFY STORAGE AND/OR SHELF LIFE REQUIREMENTS TO EXTEND USEFUL LIFE OF RESIN.	NORTHROP-GRUMMAN	200174	13
PHENOL	ELIMINATE THE SOLVENT BASED PHENOLIC RESIN	REPLACE WITH A WATER BASED RESIN	NORTHROP-GRUMMAN	200174	8
PHENOL SULFONIC ACID	MICROETCH PRECLEAN PROCESS ON MANUAL PATTERN PLATE LINE: REDUCE OR ELIMINATE PATTERN PREP 24 WASTE GENERATION	INVESTIGATE REPLACING WITH 748 ETCH. D&R AT HIGHER COPPER CONCENTRATION. INSTALL TANK COVER.	SOUTHBAY CIRCUITS, INC.	200586	8
PHENOL	ELIMINATE SPORICIDIN MICROBIOCIDAL SOLUTION CONTAINING 7% PHENOL FROM INVENTORY	REPLACE SPORICIDIN WITH CIDEX, MANUFACTURED BY SURGIKOS, INC. PRODUCT HAS 2% GLUTERALDEHYDES AND IS SAFER	TUCSON GENERAL HOSPITAL	200398	2
PHENOL	REDUCE WASTE WATER TREATMENT FACILITY EXCEEDANCES FOR PHENOLS	PHENOLS: SUBSTITUTE NON-PHENOL CLEANERS; CHECK THE USE OF COLD STERILENTS AT HOSPITAL, ETC	U.S.A.F. - LUKE	200409	13
PHOSHOR INK	RECLAIM PHOSPHOR FROM WASTE PHOSPHOR INK.	DEVELOP A PROCESS TO ECONOMICALLY RECLAIM PHOSPHOR FROM UNPRINTED PHOSPHOR INK. TEST RECLAIMED MATERIAL TO CERTIFY PRODUCT QUALITY AND USE RECLAIMED MATERIAL IN PRODUCTION LAMPS PROVIDED IT MEETS PRODUCT SPECIFICATIONS.	DUREL CORPORATION	200518	12
PHOSPHATE CLEANERS	REDUCE OR ELIMINATE THE USE OF PHOSPHATE BASED INDUSTRIAL CLEANERS.	IDENTIFY AND USE NON-PHOSPHATE CLEANERS. USE MULTI-PURPOSE CLEANERS TO REDUCE THE NUMBER OF CLEANERS.	NESTLE PURINA PETCARE CO (FKA RALSTON PURINA CO)	200310	3
PHOSPHINE	REDUCE USE OF SOURCE GAS, PHOSPHINE, IN THE DOPE/DIFFUSION PROCESS.	CHANGE TO AN IMPLANT/ DIFFUSION PROCESS.	MOTOROLA SCG	200253	7
PHOSPHORIC ACID	REDUCE PHOSPHORIC ACID PURCHASES.	EXTEND THE ACID BATH BY REUSE SPENT PHOSPHORIC ACID FROM BATH TO ADJUST pH OF OTHER PROCESSES	ALLIED TUBE AND CONDUIT	200032	3
PHOSPHORIC ACID	REDUCE PHOSPHORIC ACID PURCHASES **GOAL DROPPED **.	EXTEND THE LIFE OF THE ACID BATH BY REMOVING BATH IMPURITIES - PERFORM TESTS USING FILTERS OR ION EXCHANGE	ALLIED TUBE AND CONDUIT	200032	4
PHOSPHORIC ACID	DRUM RINSING: REDUCE PHOSPHORIC ACID EMISSIONS CREATED DURING THE DRUM RINSING OPERATION BY 10%.	MAXIMIZE COLLECTION OF PHOSPHORIC ACID RESIDUE FROM RETURNABLE CONTAINERS PRIOR TO RINSING. REUSE COLLECTED MATERIAL OR SELL INTO SECONDARY MARKET.	ARCH CHEMICALS, INC.	200608	6
PHOSPHORIC ACID	DRUM RINSING: REDUCE TOTAL PHOSPHORIC ACID RESIDUE IN EACH RAW MATERIAL DRUM TO 1/2 INCH.	IMPROVE THE TRANSFERRING SYSTEM TO FURTHER MINIMIZE THE RESIDUE IN CONTAINERS PRIOR TO RINSING.	ARCH CHEMICALS, INC.	200608	7
PHOSPHORIC ACID	REDUCE FUMES FROM PHOSPHORIC ACID IN BLENDING SEMICONDUCTOR CHEMICALS IN CLEAN ENVIRONMENT	ATTACH SCRUBBER TO FILL CABINET AND TANK	COLUMBUS CHEMICAL INDUSTRIES (formerly CHEMIX)	200594	3
PHOSPHORIC ACID	REDUCE PHOSPHORIC ACID WASTE CREATED BY RINSING MIX TANKS FOR FILTER REMOVAL BY 5%. INCREASE TRAINING ON SOURCE REDUCTION.	MODIFY PLUMBING TO FACILITATE RINSING THE FILTER ELEMENT AND MINIMAL PLUMBING.	GEM MICROELECTRONIC MATERIALS (FKA HONEYWELL SPEC CHEM)	200600	4

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
PHOSPHORIC ACID	REDUCE PHOSPHORIC ACID WASTE CREATED BY RINSING "MIX TANKS" BY 5%. INCREASE TRAINING ON SOURCE REDUCTION.	REPLACE EXISTING 600 GALLON TANKS WITH ~2000 GALLON TANKS.	GEM MICROELECTRONIC MATERIALS (FKA HONEYWELL SPEC CHEM)	200600	5
PHOSPHORIC ACID	8/2002 - GEM IS CURRENTLY IN THE PROCESS OF ACQUIRING A NEW FACILITY WHERE THE ADDITIONAL TANKS ARE ADDRESSED. TRAINING CONTINUES IN AREA OF REDUCTION - 6 SIGMA PROCESS REVIEW AND PLANNING. 7/2001 - REDUCE PHOSPHORIC ACID WASTE CREATED BY RINSING "MIX TANKS" BETWEEN DISSIMILAR CHEMICALS BY 5%. INCREASE TRAINING ON SOURCE REDUCTION.	INSTALL ADDITIONAL DEDICATED TANKS FOR DISSIMILAR CHEMICALS.	GEM MICROELECTRONIC MATERIALS (FKA HONEYWELL SPEC CHEM)	200600	6
PHOSPHORIC ACID	REDUCE THE RISK OF AN ACCIDENTIAL SPILL OR RELEASE OF PHOSPHORIC ACID BY 7/1/1999 BY REPLACING THE CURRENT SEMI-BULK STORAGE AND POLY TUBE APPLICATION WITH A BULK STORAGE AND HARD PIPED APPLICATION SYSTEM.	INSTALLATION OF A BULK STORAGE TANK WILL REDUCE THE AMOUNT OF OPERATOR HANDLING OF PHOSPHORIC ACID AND ELIMINATE SEMI-BULK CONTAINERS WHICH ARE SUBJECT TO FAILURE DUE TO FORK TRUCK HANDLING. THE BULK TANK WILL BE PLACED CLOSER TO THE APPLICATION POINT WHICH WILL REDUCE THE AMOUNT OF PIPING SUBJECT TO FAILURE. ALL TANKS AND APPLICATION SYSTEMS WILL BE PLACED IN CONTAINMENT AREAS.	GEORGIA-PACIFIC TISSUE MILL	200604	1a
PHOSPHORIC ACID	REDUCE THE USAGE OF PHOSPHORIC ACID BY 12/31/1999 BY INSTALLING AUTOMATIC FLOW MEASUREMENT, INDICATION AND CONTROL DEVICES ON THE APPLICATION SYSTEM	INSTALLATION OF AUTOMATIC FLOW MEASUREMENT, INDICATION, AND CONTROL DEVICES ON THE APPLICATION SYSTEM WILL HELP TO CONTROL USAGE AND THUS REDUCE USAGE.	GEORGIA-PACIFIC TISSUE MILL	200604	1b
PHOSPHORIC ACID	REDUCE THE RISK OF AN ACCIDENTIAL SPILL OR RELEASE OF PHOSPHORIC ACID BY 7/1/1999 BY WRITING A SPILL PREVENTION PLAN FOR BULK PHOSPHORIC ACID UNLOADING.	WRITING AND FOLLOWING A SPILL PREVENTION PLAN FOR BULK UNLOADING WILL REDUCE THE RISK OF ACCIDENTAL RELEASES.	GEORGIA-PACIFIC TISSUE MILL	200604	1c
PHOSPHORIC ACID	EVALUATE THE REPLACEMENT OF PHOSPHORIC ACID USAGE WITH A SUBSTITUTE PRODUCE BY 12/31/2000 THROUGH LITERATURE AND INDUSTRY STANDARD REVIEWS AND POTENTIAL PRODUCTION EVALUATIONS.	A LITERATURE AND INDUSTRY STANDARD REVIEW OF ACTIVATED SLUDGE NUTRIENT SUBSTITUTES AND POTENTIAL PRODUCTION EVALUATIONS OF NUTRIENT SUBSTITUTES COULD REDUCE OR ELIMINATE THE USE OF PHOSPHORIC ACID.	GEORGIA-PACIFIC TISSUE MILL	200604	1d
PHOSPHORIC ACID	RESEARCH AN ALTERNATIVE FOR CHEM COTE 3121 MIX IN ORDER TO REDUCE OR RECYCLE THE WASTE.	RESEARCH AN ALTERNATIVE TO CHEM COT 3121 MIX. LOOK TO MANUFACTURERS FOR A NON-HAZARDOUS CONSTITUENT. WILL CONTINUE TO WORK WITH VENDOR	GOETTL AIR CONDITIONING, INC.	200161	2
PHOSPHORIC ACID	1) CHARACTERIZE USED ACID 2) DETERMINE WHICH PROCESSES REQUIRE ACID FOR PH ADJUSTMENT 3) DETERMINE COMPATIBILITY OF ACID AT SELECTED PROCESSES 5) IMPLEMENT ACID USE.	RAW MATERIAL SUBSTITUTION	HEXCEL CORPORATION	200464	17
PHOSPHORIC ACID	EVALUATE BATH DUMP FREQUENCIES FOR PHOSPHORIC ACID USED AS AN ETCHING AND CLEANING CHEMICAL IN WAFER FABRICATION	REQUIRES EXTENSIVE PROCESS QUALIFICATION/TESTING PRIOR TO IMPLEMENTATION	INTEL CORP.- CHANDLER CAMPUS	200191	7
PHOSPHORIC ACID	REDUCE THE USE OF PHOSPHORIC ACID BY 20%.	COORDINATE PROCESS SCHEDULING SUCH THAT MULTIPLE TANKS MAY BE CLEANED AT THE SAME TIME.	JACKSON & COMPANY, INC.	200201	1
PHOSPHORIC ACID	REDUCE THE NUMBER OF DIFFERENT CLEANERS USED IN THE FACILITY.	INVESTIGATE ALTERNATIVE CLEANERS THAT MAY ELIMINATE TWO OR MORE OF THE CURRENTLY USED CLEANERS IN THE FACILITY.	JACKSON & COMPANY, INC.	200201	2
PHOSPHORIC ACID	REDUCE THE AMOUNT OF PHOSPHORIC ACID WASTE GENERATED FOR CHANDLER FAB 1 AND TEMPE FAB 2.	RECYCLE PHOSPHORIC ACID BY INVESTIGATING THE FEASIBILITY OF BUILDING AND UTILIZING A PHOSPHORIC ACID RECLAMATION SYSTEM. 6/24/2002: HAVE NOT FOUND AN ECONOMICALLY VIABLE TECHNOLOGY AT THIS TIME.	MICROCHIP TECHNOLOGY-CHANDLER	200247	23
PHOSPHORIC ACID	REDUCE THE AMOUNT OF PHOSPHORIC ACID USED BY APPROXIMATELY 35%.	TRAIN EMPLOYEES TO MANAGE TOOLS ACCORDING TO PRODUCTION INVENTORY. EMPLOYEES SHOULD: (1) KEEP ONE NITRIDE STRIP BENCH RUNNING; ONE NITRIDE BENCH IDLE (24 HOUR ROTATING SCHEDULE). (2) BRING UP BOTH TOOLS ONLY IF PRODUCTION INVENTORY CALLS FOR IT.	MOTOROLA - CHANDLER	200254	18
PHOSPHORIC ACID	MINIMIZE POTENTIAL RELEASES OF PHOSPHORIC ACID TO THE ENVIRONMENT DUE TO SPILLS OR LEAKS.	CONSTRUCT A SPILL CONTAINMENT SYSTEM IN THE PHOSPHORIC ACID STORAGE AREA LARGE ENOUGH TO CONTAIN THE CONTENTS OF THE STORAGE TANK.	NESTLE PURINA PETCARE CO (FKA RALSTON PURINA CO)	200310	1
PHOSPHORIC ACID	MINIMIZE POTENTIAL RELEASES OF PHOSPHORIC ACID INTO THE ENVIRONMENT DURING DISCONNECTING THE UNLOADING LINE.	VISUALLY EXAMINE UNLOADING LINE AS IT IS DISCONNECTED.	NESTLE PURINA PETCARE CO (FKA RALSTON PURINA CO)	200310	7
PHOSPHORIC ACID	IMPROVE SPILL CONTAINMENT AND REDUCE MATERIAL USAGE	INSTALL AN ACID RESISTANT LEVEL PROBE IN THE MIXING CHAMBER THAT WILL AUTOMATICALLY LOCK OUT FEED PUMP TO PREVENT AN OVERFLOW CONDITION.	NESTLE PURINA PETCARE CO (FKA RALSTON PURINA CO)	200310	9
PHOSPHORIC ACID	REDUCE THE USE OF EP4000 SOLUTION.	COST OUT TANK, HEATER, FILTERS, AND PUMPS TO CREATE A DRAGOUT RECOVERY SYSTEM FOR THE EP4000 MATERIAL, WHICH WILL DECREASE THE AMOUNT OF WASTE WATER PROCESSED AND AMOUNT OF CHEMICALS USED.	OTI METAL FINISHING	200689	3
PHOSPHORIC ACID	REDUCE SYRUP WASTE FROM PROCESS PIPING	USE CO2 TO PURGE LINES FOR ALL BATCH TANKS, HOLDING TANKS AND DIVERTER PANELS BEFORE FLAVOR CHANGEOVERS.	PEPSI BOTTLING GROUP	200499	2

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
PHOSPHORIC ACID	REDUCE FLAVOR CHANGEOVER TIME AND SYRUP LOSS	IMPLEMENT THREE STEP METHOD TO IMPROVE CHANGEOVERS	PEPSI BOTTLING GROUP	200499	3
PHOSPHORIC ACID	REDUCE THE USE OF ACIDS USED IN THE ELECTROPLATING PROCESS.	BY EVAPORATING THE STATIC TANK, REUSING THE DRAG-OUT MATERIAL AND KEEPING THE NITRIC ACID BATH CLEANER, THUS REQUIRING FEWER, TANK CHANGES	PHOENIX HEAT TREATING INC	200283	1
PHOSPHORIC ACID	ELIMINATE PHOSPHORIC ACID USED TO PREPARE CANS FOR PRINTING AND COATING.	PENDING SUCCESSFUL COMPLETION OF TRIAL CURRENTLY IN PROGRESS - RECENT HYDROFLUORIC ACID REDUCTIONS REQUIRE LESS PHOSPHORIC	REXAM BEVERAGE CAN COMPANY-PHX AZ FACILITY	200031	8
PHOSPHORIC ACID	REDUCE THE QUANTITY OF SODIUM HYDROXIDE AND PHOSPHORIC ACID USED TO CLEAN THE BARREL LINE ** GOAL DROPPED**	EVALUATE THE EFFECTIVENESS OF NEW CLEANER; INSTALL CHEMICAL ALLOCATION SYSTEM	SCHREIBER FOODS, INC.	200529	1
PHOSPHORIC ACID	REDUCE POTENTIAL FOR ACCIDENT IN CHEMICAL RECEIVING AREA.	INSTITUTE A RECEIVING AREA SOP, REDUCE THE NUMBER OF DELIVERING COMPANIES, AND TRAIN EMPLOYEES	SCHREIBER FOODS, INC.	200529	13
PHOSPHORIC ACID	REDUCE CHEMICAL EVAPORATION OF BLENDED ACID USED FOR PROCESS CLEANING.	INSTALL TANK INSULATION TO REDUCE EVAPORATION	SCHREIBER FOODS, INC.	200529	16
PHOSPHORIC ACID	ELIMINATE THE STORING OF PHOSPHORIC ACID IN THE NORTH PLANT USED FOR PROCESS CLEANING	INSTALL TRANSFER LINE TO PROVIDE ACID FROM SOUTH PLANT TO THE NORTH PLANT	SCHREIBER FOODS, INC.	200529	17
PHOSPHORIC ACID	REDUCE THE AMOUNT OF SPILLS AND CHEMICALS USED IN TANK THAT STORES PHOSPHORIC ACID AND NAOH	LOWER CHEMCIAL CONCENTRATION; LOWER CLEANING TEMPERATURE; DESIGN BETTER TANK HARDWARE; TRAIN STAFF	SCHREIBER FOODS, INC.	200529	2
PHOSPHORIC ACID	REDUCE THE QUANTITY OF FOAM CLEANER CONTAINING PHOSPHORIC ACID USED TO CLEAN MACHINERY EXTERIORS	EVALUATE A THIN FILM CLEANER; INSTALL NEW THIN FILM DISPENSING STATIONS	SCHREIBER FOODS, INC.	200529	3
PHOSPHORIC ACID	REDUCE THE AMOUNT OF CHEMICALS AND WATER USED TO CLEAN PIPING EXTERIORS AND INTERIORS.	REMOVAL OF PIPING THRU PROCESS RE-ENGINEERING AND EFFICIENT DESIGN	SCHREIBER FOODS, INC.	200529	9
PHOSPHORIC ACID	REDUCE THE GENERATION OF ELECTROPOSIT PC CLEANER WASTE	INVESTIGATE STANDARDIZING PROCESS CHEMISTRY. PURCHASE FILTRATION/RECIRCULATION SYSTEM. INSTALL FILTRATION RECIRCULATION SYSTEM. EVALUATE D&R SCHEDULING BY COPPER LOADING OR TIME	SOUTHBAY CIRCUITS, INC.	200586	7
PHOSPHORIC ACID	WAFER CLEANING: REDUCE CONSUMPTION OF HYDROFLUORIC ACID AND PHOSPHORIC ACID BY 10% PER WAFER.	REWRITE CLEANING RECIPES SO THAT CONCENTRATED ACIDS ARE DILUTED WITH MORE DEIONIZED WATER.	STMICROELECTRONICS, INC.	200585	18
PHOSPHORIC ACID	UPGRADE PROCESS EQUIPMENT TO OPTIMIZE THE ALUMINUM ETCH PROCESS AND REDUCE USE OF PHOSPHORIC ACID BY 25%.	IMPROVE PROCESS CONTROL FOR THE USE OF PHOSPHORIC ACID IN ETCHING ALUMINUM TO REDUCE THE AMOUNT OF ACID REQUIRED.	TEXAS INSTRUMENTS TUCSON	200077	14
PHOSPHORIC ACID	ELIMINATE PHOSPHORIC ACID PARTS WASHING PROCESS IN AUGMENT INFLATOR MANUFACTURING PROCESS.	WORK WITH SUPPLIER OF STEEL PARTS TO USE RUST INHIBITOR THAT DOES NOT REQUIRE PHOSPHORIC ACID.	TRW VEHICLE SAFETY SYSTEMS,MESA II	200369	15
PHOSPHORIC ACID	REDUCE FORMALDEHYDE AND PHOSPHORIC ACID USED AS A BINDER IN SAND MOLD FORMATION.	FIND A LESS HAZARDOUS SUBSTITUTE FOR FORMALDEHYDE.	TUCSON FOUNDRY & MFG, INC	200397	1
PHOSPHORIC ACID	REDUCE OVER CONSUMPTION OF PHOSPHORIC ACID AND FORMALDEHYDE DURING SAND MOLD MAKING	DAILY CALIBRATION OF THE SAND MOLD MACHINE TO REDUCE OVER USE OF CHEMICAL ADDITIVES	TUCSON FOUNDRY & MFG, INC	200397	2
PHOSPHORIC ACID	REDUCTION IN USAGE OF CLEANING CHEMICALS (PHOSPHORIC AND NITRIC ACID) **GOAL DROPPED**	INSTALL CERAMIC MEMBRANE RECOVERY SYSTEM FOR CAUSTIC AND ACID WASH SOLUTION **GOAL DROPPED**	UNITED DAIRYMEN OF ARIZONA	200416	4
PHOSPHORIC ACID	MAINTAIN CORROSIVE REPACK - MISC. WASTES BELOW 1000 LBS	DEVELOP WRITTEN OPERATING PROCEDURES, CREATE RECIPE SHEETS FOR CURRENT BLENDS.	UNIVAR USA, INC.	200426	11
PHOTO RESIST	ELIMINATE SENDING OUT PHOTORESIST SOLVENT. GOAL DROPPED.	EVALUATE THE USE OF HYDROGEN PEROXIDE AND ULTRVIOLET LIGHT TO DECOMPOSE PHOTORESIST SOLVENTS	MEDTRONIC, TEMPE	200240	7
PHOTO RESIST	REDUCE THE "SKINS" DISPOSED OF IN THE PHOTO RESIST STRIPPER PROCESS BY 50%.	IMPLEMENT A FILTRATION SYSTEM THAT WILL REMOVE RESIST SKINS FROM THE PROCESS BATH.	SOUTHWEST CIRCUITS INC.	200343	16
PHOTO RESIST	PHOTOLITHOGRAPHY: SUBSTITUTE A NEW PHOTORESIST FOR CURRENT PRODUCT TO REDUCE CONSUMPTION PER WAFER BY 25%.	CHEMICAL SUBSTITUTION FOR CURRENT PHOTORESIST CONTAINING ETHYL 3-ETOXY PROPIONATE.	STMICROELECTRONICS, INC.	200585	14
PHOTO RESIST	PHOTOLITHOGRAPHY: REDUCE VOC AIR EMISSIONS BY THE INSTALLATION OF VOC ABATEMENT SYSTEMS.	INSTALL AN ABATEMENT SYSTEM ON PHOTOLITHOGRAPHY EQUIPMENT TO REDUCE (VOC) AIR EMISSIONS. ACTION PLAN 1) PURCHASE ABATEMENT UNITS. 2) INSTALL UNITS & NATURAL GAS LINE AND EXHAUST SYSTEM. 3) TEST ABATEMENT SYSTEMS FOR EFFICIENCY.	STMICROELECTRONICS, INC.	200585	2
PHOTOCHEMICAL WASTE	REDUCE THE GENERATION OF USED PHOTOCHEMICALS.	TRAIN USERS TO CORRECTLY IDENTIFY AND PROPERLY LABEL HAZARDOUS PHOTOCHEMICAL WASTE FROM NON-HAZARDOUS WASTE.	ARIZONA STATE UNIVERSITY-RISK MGMT.	200064	4

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PHOTOCOPY INK, THINNER	ADMINISTRATIVE SERVICES: REDUCTION OF CHEMICALS FOR PHOTOCOPYING BY 10%	REVIEW OF HIGH SPEED PHOTOCOPYING PROCESSES FOR USE OF INK, THINNER, AND DISPERSANT SWITCHED TO NEW PHOTOCOPY FLUID ON ALL BUT ONE MACHINE	RAYTHEON COMPANY USAF PLANT 44	200184	32
PHOTOGRAPHIC WASTES	REDUCE PHOTOCHEMICAL WASTES BY 20%	INSTALL SILVER RECOVERY UNIT TO RECYCLE MOST OF THE FIXER WASTE GENERATED.	UNIVERSITY OF ARIZONA	200424	3
PHOTOGRAPHIC WASTES	REDUCE PHOTOCHEMICAL WASTE BY 20%	CONTINUE USING SILVER RECOVERY UNIT, DETERMINE IF VENDORS SERVICING PROCESSING MACHINES WILL TURN ALL SPENT PHOTOGRAPHIC SOLUTIONS OVER TO RM&S FOR HANDLING OR PROCESSING	UNIVERSITY OF ARIZONA	200424	8
PHOTOPOLYMER FILM	REDUCE THE GENERATION OF DRY FILM STRIPPER WASTE BY EVALUATING THE POSSIBILITY OF SUBSTITUTING 1.5 ML THICK DRY FILM FOR 2.0 ML THICK DRY FILM CORRECTLY BEING USED. IF FEASIBLE THIS SHOULD RESULT IN A 25% REDUCTION IN SPENT STRIPPER.	MATERIAL SUBSTITUTION	QUICK TURN CIRCUITS, INC.	200596	3
PHOTORESIST SOLVENT	RECYCLE USED PHOTO RESIST STRIPPING SOLVENT USED FOR ETCHING CIRCUITS ONTO SEMI CONDUCTOR WAFERS	INSTALL EQUIPMENT TO SEGREGATE, SEPERATELY COLLECT AND RECYCLE THE RESIST SOLVENT RATHER THAN COMBINE IT WITH OTHER SOLVENT STREAMS AS THE CURRENT PRACTICE	INTEL CORP.- CHANDLER CAMPUS	200191	12
PHOTORESIST	REDUCE ACTEONE USE IN PHOTORESIST COATER PROCESS TO RINSE THE MACHINE (4) CUP TO REMOVE PHOTORESIST RESIDUE	PROJECT CHANGED TO ELIMINATE ACETONE USE IN THIS PROCESS AND SUBSTITUTE WITH LESS VOLATILE CHEMICAL RATHER THAN ALTER. MACHINES	INTEL CORP.- CHANDLER CAMPUS	200191	5
PHOTORESIST	REDUCE PHOTORESIST WASTE IN APPLICATION PROCESS.	REPLACED EXISTING PUMPS WITH IDI PUMPS WHICH DISPENSE MORE PRECISELY.	MOTOROLA - MESA	200255	1
PHOTORESIST CHEMICALS (POSITIVE)	REDUCE THE USE OF PHOTORESIST CHEMICALS IN THE DISPENSING PROCESS STEP (MOS 5).	CONVERT EXISTING PUMP RATE OF THE PHOTORESIST DISPENSER PUMPS FROM 2cc TO 1.2 cc.	MOTOROLA - MESA	200255	17
PHOTORESIST STRIPPING CHEMICAL (ACT 1)	REDUCE USAGE OF THE PHOTORESIST STRIPPING CHEMICAL ACT 1 IN MOS 5.	MINIMIZE BATH AND BATCH CHANGEOUTS FROM 800 TO 3200 WAFERS.	MOTOROLA - MESA	200255	18
PHOTORESIST	REDUCE PHOTORESIST DISPENSED BY COATERS	SUBSTITUTE PHOTOLITHOGRAPHY PROCESS WITH SHADOW MASKING	MOTOROLA SCG	200253	18
PHOTORESIST CHIPS	REDUCE THE VOLUME OF PHOTO RESIST CHIPS GENERATED FROM 500 LBS/DAY TO 250 LBS/DAY (50%)	INSTALL SPIN DRYER IN WASTE TREATMENT AREA TO NEUTRALIZE AND DEWATER RESIST CHIPS PRIOR TO DISPOSAL	NELCO TECHNOLOGY, INC.	200265	4
PHOTORESIST	PHOTOLITHOGRAPHY: REDUCE THE AMOUNT OF RER 550 AND PHOTORESIST DISPENSED ONTO THE WAFER BY 10%. ACTION PLAN: 1. FORM EXCELLENCE TEAM ON CHEMICAL USE REDUCTION; 2. TEAM MEMBERS TO IDENTIFY OPPORTUNITIES FOR REDUCTION; 3. ASSIGN PERSONNEL TO RUN EVALUATION; 4. IF POSITIVE, ALTER RECIPE TO REDUCE AMOUNT OF CHEMICAL CONSUMED PER WAFER; 5. CREATE GRAPH TO SHOW DECREASES.	DEVELOP AND EVALUATE ALTERNATIVE RECIPE TO REDUCE AMOUNT OF RER 550 PER WAFER.	STMICROELECTRONICS, INC.	200585	1
PHOTORESIST	PHOTOLITHOGRAPHY: REDUCE PHOTORESIST CONSUMPTION 50%.	PROCESS OPTIMIZATION BY TRANSFERRING TWO STEPS TO THE DEEP UV EQUIPMENT.	STMICROELECTRONICS, INC.	200585	15
PIPELINE WASTES	REDUCE D001 AND D004 HAZARDOUS WASTE GENERATION BY 80%.	REMOVE RESIDUAL CONTAMINANTS IN PIPELINE AND TANKS DURING CLEANING	TRANSWESTERN PIPELINE CO-STA. 1 KINGMAN	200386	1
PLASTIC	REDUCE/ELIMINATE THE DISPOSAL OF PLASTIC.	EXPLORE PLASTIC RECYCLING ALTERNATIVE. THIS WAS SUCCESSFUL AND WE ARE NOW USING OLD PLASTIC ON COMPLETED PRODUCTS FOR PROTECTIVE COATING FOR SHIPMENT.	COPPER STATE RUBBER OF ARIZONA	200557	14
PLASTIC	REDUCE/ELIMINATE THE DISPOSAL OF PLASTIC.	EXPLORE PLASTIC SUBSTITUTION. AN ALTERNATIVE WAS TESTED, BUT IT WAS NOT COMPATABLE WITH OUR RUBBER PROCESS. IT WOULDSTICK TO THE MANDREL AND WOULD NOT COME OFF. THE MATERIAL WE TESTED CAME FROM "RICO BOND" 569 241/4 RD. GRAND JUNCTION, COLO 81505.	COPPER STATE RUBBER OF ARIZONA	200557	15
PLASTIC	REDUCE AMOUNT OF SCRAP PLASTIC GENERATED DURING MANUFACTURING. ACTION PLAN 1: CONDUCT ENGINEERING REVIEW FOR PROCESS AND/OR EQUIPMENT CHANGES.	IMPROVE WORK PRACTICES, HOUSEKEEPING AND WASTE SEGREGATION.	CORELLA ELECTRIC WIRE AND CABLE	200698	3
PLASTIC CHIPS	REDUCE THE FLAMMABLE SOLID WASTE STREAM BY 5%	SEGREGATE THE METAL CHIPS AND THE PLASTIC CHIPS FROM THE MODEL SHOP AND RECYCLE IF POSSIBLE.	IBM CORPORATION	200194	1
PLASTIC	INCREASE QUANTITY OF SCRAP PLASTIC THAT IS RECYCLED TO 50%	CONTACT LOCAL RECYCLERS TO DETERMINE IF SCRAP PLASTIC CAN BE RECYCLED. SEGREGATE BY TYPE AND COLLECT SCRAP PLASTIC.	IBM CORPORATION	200194	6
PLASTIC CONTAINERS	RECYCLE PLASTIC RESIN AND SOLVENT CONTAINERS IF ECONOMICALLY FEASIBLE	CLEAN AND RECYCLE PLASTIC PAILS INSTEAD OF COMPACTING AND DISPOSING OF HAZARDOUS DEBRIS.	NORTHROP-GRUMMAN	200174	11

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PLATING SLUDGE	REDUCE HAZARDOUS WASTE GENERATION AND USE OF TOXIC SUBSTANCES (PLATING SLUDGE ACIDS) IN PLATING AND SURFACE FINISHING. GOAL IS 25% REDUCTION.	EVALUATE CURRENT PRACTICES. ESTABLISH NEW OPERATING PROCEDURES. ENFORCE PROCEDURES. MONITOR PROGRESS FOR CONTROL OF CHEMICAL DRAGOUT.	ABRAMS AIRBORNE MFG	200003	7
PLATING SLUDGE	REDUCE F006 PLATING SLUDGE. ** GOAL DROPPED **.	INSTALL FILTERS IN TANKS	ASTROPLATE INCORPORATED	200051	1
PLATING RINSE	PLATING LINE RINSE WATER: FLOWING REDUCE 40% OF AMOUNT OF RINSE WATER FROM THE VARIOUS ELECTRO PLATING LINES WHICH ARE NORMALLY DISCHARGED TO THE POTW PROCESSING BY THE WASTE TREATMENT SYSTEM. RINSE WATERS ARE USED IN VARIOUS PLATING LINES. WASTE RINSE WATERS CONTAIN CHROMIUM, COPPER, ZINC, NICKEL & LEAD.	PURCHASE AND INSTALL COUNTERFLOW RINSE TANKS TO REUSE RINSE WATERS PRIOR TO WASTE TREATMENT	CORNING GILBERT INC.-GLENDALE	200157	5
PLATING WASTE	REDUCE QUANTITIES OF F006 HAZARDOUS WASTE THAT MUST BE SENT OFFISTE AND ARE ACCOUNTED FOR IN ADEQ'S HAZARDOUS WASTE GENERATION FEES.	IMPLEMENT PROCESS IMPROVEMENTS (SHOCK TANKS FREQUENTLY, ETC) AND STREAMLINE WATER TREATMENT (PH, ETC).	EVERETT CHARLES TECHNOLOGIES STG	200131	21
PLATING RINSE	REDUCE THE CONCENTRATION AND VOLUME OF WASTE WATER TO BE TREATED ON-SITE. REDUCE WATER USED IN THE PLATING PROCESS AND SENT TO POTW.	INSTALL AND USE STATIC RINSE TANKS IN PLATING PROCESS TO REDUCE DRAGOUT AND MINIMIZE RINSE WATER NEEDING TREATMENT	HI-TECH PLATING INC.	200175	1
PLATING CHEMICALS	REDUCE PLATING CHEMICALS USED IN PLATING PROCESS **DROPPED**	PURCHASE NEW EQUIPMENT, DEBUG/QUALIFY EQUIPMENT, CONDUCT EXPERIMENTS AND QUALIFY PRODUCT, BRING NEW EQUIPMENT ONLINE	MOTOROLA SCG	200253	27
PLATING SLUDGE	REDUCE THE AMOUNT OF PLATING SLUDGE IN NEW PLATING LINE. RESEARCH REDUCTIONS FOR WASTE STREAMS. NOTE: WASTE STREAMS MAY INCREASE OVERALL IF PRODUCTION INCREASES.	RESEARCH REDUCTIONS FOR WASTE STREAMS BY INCORPORATING P2 INTO THE NEW PLATING LINE EXPANSION.	OBERG - ARIZONA	200270	8
PLATING WASTE SLUDGE	PLATING WASTE (VENMET): REDUCTION IN SLUDGE VOLUMES VIA ELEMENTAL METAL PRECIPITATION VS COMPLEXING AGENTS * GOAL DROPPED IN FAVOR OF ION EXCHNGE*	THIS ITEM WAS DROPPED IN FAVOR OF ION EXCHANGE EQUIPMENT MADE AVAILABLE FROM CA FACILITY **GOAL DROPPED**	RAYTHEON COMPANY USAF PLANT 44	200184	10
PLATING WASTE	PLATING WASTE ABATEMENT: REPLACE ELECTROLESS PLATING PROCESS USED FOR METALLIZATION OF PRINTED WIRING BOARDS	NEW PROJECT: BLACK HOLE METALLIZATION - DIRECT METALLIZATION OF PWB THROUGH HOLES	RAYTHEON COMPANY USAF PLANT 44	200184	12
PLATING WASTE	PLATING WASTE ABATEMENT: BRING MAJOR PROCESSES ONLINE FOR CHEMICAL USE TRACKING TO EXTEND BATH LIFE AND REDUCE WASTE * ON HOLD FOR FUNDING *		RAYTHEON COMPANY USAF PLANT 44	200184	5
PLATING WASTE	PLATING WASTE ABATEMENT: DEVELOP SYSTEM TO PRIORITIZE WASTE ABATEMENT PROJECTS AT OTHER HUGHES FACILITIES	CHARACTERIZE PLATING PROCESSES AT ALL HUGHES FACILITIES; REDUCE DRAGOUT; IDENTIFY CANDIDATES FOR ION EXCHANGE; CLOSED LOOP RECYCLING	RAYTHEON COMPANY USAF PLANT 44	200184	9
PLATINUM/ PALADIUM	REDUCE THE AMOUNT OF WASTE PRECIOUS METAL WIPES GENERATED IN 1996 BY 20% COMPARED TO 1994	IMPLEMENT TRAINING PROGRAM TO STRESS FULLY USING WIPE BEFORE DISCARDING; PROPER MAINTENANCE AND OPERATION	TUSONIX INC.	200402	6
PLATINUM/ PALADIUM	REDUCE THE AMOUNT OF PRECIOUS METAL CHIP GENERATED IN 1996 BY 20% AS COMPARED TO 1994	IMPLEMENT TRAINING AND PROCESS MODIFICATION; BETTER HOUSEKEEPING AND UTILIZATION OF MATERIAL.	TUSONIX INC.	200402	7
PM - 10 DUST	REDUCE THE AMOUNT OF FUGITIVE DUST	INSTALL A BAGHOUSE WHICH IS 99.8% EFFICIENT	PROFESSIONAL CHEMICALS CORP	200538	1
PM10	REDUCE THE AMOUNT OF PM10 EMISSIONS AS FUGITIVE DUST FROM VEHICULAR TRAVEL IN THE PROCESSING YARD.	BY PAVING AND TREATING CERTAIN PORTIONS OF THE PROCESSING YARD.	SCHUFF STEEL COMPANY-PHOENIX	200574	10
PM10	REDUCE THE PM10 EMISSIONS FROM THE OUTDOOR ABRASIVE BLASTING PROCESS.	BY USING IMPROVED OR CHANGING THE CONTROL METHODS USED IN THE PROCESS; BY MONITORING OPERATOR'S ACCESS TO BLAST MATERIAL.	SCHUFF STEEL COMPANY-PHOENIX	200574	5
POINT SOURCE EMISSIONS	ELIMINATE POINT SOURCE FUGITIVE EMISSIONS, SPECIFICALLY OPEN PROCESSING EQUIPMENT AND STORAGE CONTAINERS	A.VENT ALL PROCESSING EQUIPMENT TO THE AIR SCRUBBER. B. ENSURE CONTAINERS ARE TIGHTLY SEALED.	SURFACE TEK SPECIALITY PRODUCTS	200571	1
POLY DRUMS	REDUCE THE AMOUNT OF POLY-DRUMS SENT TO THE LANDFILL.	INVESTIGATE POTENTIAL RECYLERS TO TAKE THE DRUMS.	HILL BROTHERS CHEMICAL CO.-PHX.	200176	3
POLYALKENE GLYCOLS	8.2.10 #1: REDUCE THE OVERALL HAPs AND VOC EMISSIONS FROM THE CIRCUIT BOARD SOLDER LEVEL PROCESS USING FLUX AND OIL. GOAL- SUBSTITUTE LOWER VOC/NON HAPS PRODUCTS.	REPLACE DEXTER PRODUCT WITH AN ARDROX PC7655 FLUX WHICH CONTAINS CONSIDERABLY LESS ETHYLENE GLYCOL MONOBUTYL ETHER.	CONTINENTIAL CIRCUITS	200105	12
POLYALPHAOLEFIN	ELIMINATE THE NEED TO TRANSFER FLUID TO AND FROM 55 GALLON DRUMS IN AREAS WHERE AN ACCIDENTAL RELEASE IS POSSIBLE	INSTALL PUMPS AND PIPING TO TRANSFER WATER AND LUBRICANT REMOVED FROM THE VACUUM PUMPS DIRECTLY TO THE LARGE STORAGE TANK	STERIS CORPORATION	200328	3

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
POLYALPHAOLEFIN	PREVENT ACCIDENTAL RELEASES THROUGH FLOOR DRAINS IN THE STERILIZATION CHAMBER	INSTALL AN EXPANSION TYPE DRAIN PLUG IN THE ROUND DRAINS IN THE STERILIZATION CHAMBER	STERIS CORPORATION	200328	5
POLYALPHAOLEFIN	PREVENT ACCIDENTAL SPILLS FROM ENTERING THE SQUARE FLOOR DRAINS	CONSTRUCT CONCRETE SPILL DIKES AROUND TWO 12" X 12" FLOOR DRAINS	STERIS CORPORATION	200328	6
POLYCHLORINATED BIPHENYLS	REDUCE/ ELIMINATE USE OF PCBS BY RETROFITTING ALL TRANSFORMERS CONTAINING PCB'S; RETROFIT TWO PER YEAR.	RETROFIT AND RETROFILL ALL TRANSFORMERS WITH A NON-TOXIC SUBSTITUTE.	ASARCO - MISSION COMPLEX (SAHUARITA)	200047	7
POLYCYCLIC AROMATIC COMPOUNDS	ASPHALT PRODUCTION (VAPOR CAPTURE AND TREATMENT): REDUCE VOC EMISSIONS THROUGH VAPOR CAPTURE AND TREATMENT	THE FACILITY'S VAPOR RECOVERY SYSTEM WILL BE EXPANDED TO CAPTURE ADDITIONAL VAPORS. THIS SYSTEM WILL REDUCE THE FACILITY'S OVERALL VOC EMISSIONS, WHICH INCLIDES PAC'S.	KOCH ASPHALT SOLUTIONS SOUTHWEST-GLENDALE	200760	1
POLYGLYCOLS/LEAD/CHROMIUM	REDUCE USE OF SOLDER LEVELING "REFLOW" FLUID IN CIRCUIT BOARD MANUFACTURE AND RESULTANT HAZARDOUS WASTE (IRON/LEAD CONTAMINATED FLUID)	USE METHOD OF DRAINING ONLY 1/2 OF THE SPENT RE-FLOW FLUID AND REPLACING 1/2 WITH NEW FLUID; SPC IMPLEMENTATION HAS ALSO AIDED EFFORTS	SOUTHWEST CIRCUITS INC.	200343	8
POLYMIDE & PHENOLIC RESIN	REDUCE AMOUNTS OF WASTE GENERATED IN MIX ROOM.	CREATE TEAM; MODIFY EQUIPMENT LAYOUT TO ALLOW FOR EASIER CLEANUP.	NORTHROP-GRUMMAN	200174	5
POLYPHENYLISOCYNATE	REDUCE THE USE OF CFC FOAM CONTAINING TRICLLOROFLUOROMETHANE AND POLYPHENYLISOCYANATE (POLYFOAM INSULATION MATERIAL) TO REDUCE OR ELIMINATE THE CFC EMISSIONS.	REPLACED CFC FOAM WITH HCFC FOAM	MAAX SPAS ARIZONA, INC.	200102	3
POLYVINYLDENE CHLORIDE LATEX	REDUCE POLYVINYLDENE CHLORIDE LATEX WASTE.	RESEARCH THE USE OF CLOSED LOOP PUMPS TO AVOID SPILLS AND THE USE OF LADLES	PRINTPACK INC.	200484	5
POLYVINYLIDENE CHLORIDE	REDUCE THE TOTAL AMOUNT OF POLYVINYLIDENE CHLORIDE LATEX (PVDC) WASTE BY 5%	IDENTIFY AND OPTIMIZE THE ANILOX ROLLER USED TO APPLY THE MATERIAL. COMPLETE DRAINING OF BLADE HOLDER, ANILOX PAN, PUMP, AND HOLDING CONTAINER SHOULD CAPTURE RESIDUAL.	PRINTPACK INC.	200484	4
POLYWOOD	UPGRADE AND IMPROVE POLYWOOD PRODUCT DESIGN MAKE IT MORE APPEALING TO CUSTOMERS	INCREASE DESIGN POSSIBILITIES TO MAKE THIS ALTERNATIVE PRODUCT MORE APPEALING TO CUSTOMERS	SUNBURST SHUTTERS	200524	6
POLYWOOD	INCREASE POLULARITY OF POLYWOOD SHUTTER	CREATE A PROGRAM TO INVOLVE DESIGNERS AND WHOLE SALERS IN THE GROWTH AND DEVELOPMENT OF POLYWOOD SHUTTER	SUNBURST SHUTTERS	200524	7
POST DIP	REDUCE DUMP FREQUENCY ON BLACK OXIDE LINES.	DETERMINE THE FEASIBILITY OF IN-LINE FILTERS TO INCREASE BATH LIFE.	SANMINA - SCI	200669	12
POTASIUM BISULFATE	ELIMINATE THE PERSULFATE MICRO ETCH BATH **DROPPED**	REPLACE WITH A SULFURIC / PEROXIDE BATH - DROPPED DUE TO COST AND IMPACT ON PRODUCT QUALITY.	EVERETT CHARLES TECHNOLOGIES STG	200131	5
POTASSIUM HYDROXIDE	REDUCE DISPOSAL OF FORMATION ELECTROLYTE BY 10%.	DEVELOP METHOD TO REUSE ELECTROLYTE BY REGULAR CARBONATE TESTING AND FILTRATION	ACME ELECTRIC CORP. AEROSPACE DIVISION	200482	1
POTASSIUM FERROCYANIDE	REDUCE CONVERSION SOLN DISPOSAL (MONO AMMONIUM PHOSPHATE,POTASIUM FERRO CYANIDE,EDTA,CITRIC ACID, SODIUM SULFITE) IN DRAIN	LOCAL TESTS FOR REUSING THE CONVERSION SOLUTION WERE NOT SUCCESSFUL. CONTINUE TO RESEARCH **DROPPED**	DELUXE CHECK PRINTERS	200120	6
POTASSIUM SULFATES	ELIMINATE THE PERSULFATE MICRO ETCH BATH **DROPPED**	REPLACE WITH A SULFURIC / PEROXIDE BATH - DROPPED DUE TO COST AND IMPACT ON PRODUCT QUALITY.	EVERETT CHARLES TECHNOLOGIES STG	200131	5
POTASSIUM SULFITE	REDUCE USAGE AND DISPOSAL OF HEAVY METALS AND NEUTRALIZE STABILIZER INTO POTW BY 20-30%	USE MORE DIGITAL PHOTOGRAPHY WHICH REDUCES AMOUNT OF STABLIZER	GREAT WESTERN PUBLISHING	200165	5
POTASSIUM CYANIDE	RF-2000-1- ELIMINATE CYANIDE USE IN THE TECHNISTRIP PROCESS. TECHNISTRIP, CONTAINING CYANIDE IS USED TO REMOVE GOLD FIBERS FROM WAFER MANUFACTURING.	REPLACE TECHNISTRIP SOLUTION (POTASSIUM CYANIDE) WITH POTASSIUM IODIDE BASED CHEMICAL. ACTION PLAN (1) EXPERIMENT WITH REPLACEMENT CHEMICAL ON TEST WAFERS. (2) INSTALL ANY EQUIPMENT MODIFICATIONS NEEDED (NONE EXPECTED). (3) CONDUCT EXPERIMENTS ON PRODUCT. (4) QUALIFY PRODUCT FOR CUSTOMERS. (5) CONVERT TO NEW CHEMICAL.	MOTOROLA SCG (RFI OPERATION)	200727	1
POTASSIUM HYDROXIDE	REDUCE CHEMICAL DRAGOUT CONTAINING COPPER INTO RINSES.	REPLACE ROLLER COVERS AND ADJUST; MEASURE METALS CONCENTRATION BEFORE AND AFTER	NELCO TECHNOLOGY, INC.	200265	13
POTASSIUM IODIDE,NITRIC A	PLANT OPERATIONS: REDUCE USE OF CHEMICALS ACETIC ACID, NH3FL2, NH3OH, KI, HNO3	INSTALLED AN X-RAY ANALYSIS SYSTEM TO REPLACE WET CHEMISTRY METHODS.	PHELPS DODGE BAGDAD, INC.	200114	15
POTASSIUM	REDUCE THE GENERATION OF SPENT MICROETCH BY 1. CONTACTING SHIPLEY REGARDING REGENERATION OPTIONS 2. IMPLEMENT OPTIONS & MONITOR GENERATION, 3. INVESTIGATE ALTERNATIVE CHEMISTRIES, 4 EVALUATE ALTERNATIVE CHEMISTRIES	1. BY REGENERATING SPENT ETCHANT 2. BY MATERIAL SUBSTITUTION	QUICK TURN CIRCUITS, INC.	200596	5

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
POTASSIUM CARBONATE	REDUCE VOC EMISSIONS ON SOLDERMASK DEVELOPER LINE.	BY INVESTIGATING LOW OR NO VOC CHEMISTRY ALTERNATIVES.	SANMINA - SCI	200669	29
POTASSIUM CARBONATE	DETERMINE FEASIBILITY OF IN-LINE FILTERS TO EXTEND BATH LIFE ON THE DEVELOPER ROOM.	PUT IN-LINE FILTERS ON APPROPRIATE BATHS TO REDUCE DUMP CYCLES.	SANMINA - SCI	200669	65
POTASSIUM CYANIDE	ELIMINATE TECHNISTRIP CONTAINING A POTASSIUM CYANIDE-BASED CHEMICAL IN THE GOLD ETCH PROCESS (ZJ-2000-1).	REPLACE TECHNISTRIP WITH A DIFFERENT CHEMICAL 1) EXPERIMENT WITH REPLACEMENT CHEMICAL ON TEST WAFERS 2) DESIGN AND INSTALL ANY EQUIPMENT MODIFICATIONS NEEDED (NONE EXPECTED) 3) CONDUCT EXPERIMENTS ON PRODUCT 4) QUALIFY PRODUCT FOR CUSTOMERS 5) CONVERT TO NEW CHEMICAL.	SCI,L.L.C (ON SEMICONDUCTOR)	200726	1
POTASSIUM CYANIDE	ELIMINATE THE USE OF CYANIDE SOLUTION USED IN THIS PROCESS (ZR-2000-2).	ELIMINATE THE PROCESS 1) EXPERIMENT WITH REPLACEMENT OR ELIMINATION OF THE PROCESS ON TEST WAFERS 2) DESIGN AND INSTALL ANY EQUIPMENT MODIFICATIONS NEEDED TO REPLACE OR ELIMINATE THE PROCESS 3) CONDUCT EXPERIMENTS ON PRODUCT 4) QUALIFY PRODUCT FOR CUSTOMERS 5) CONVERT TO NEW PROCESS OR SIMPLY ELIMINATE THE CURRENT PROCESS IF FEASIBLE.	SCI,L.L.C (ON SEMICONDUCTOR)	200726	2
POWER (PEAK DEMAND)	REDUCE PEAK ELECTRICAL DEMAND/ INCREASE POWER FACTOR	INSTALL CAPACITORS FOR LARGE HORSEPOWER MOTORS	UNITED DAIRYMEN OF ARIZONA	200416	6
PREPREG	REDUCE THE AMOUNT OF WASTE PREPREGS GENERATED DURING EXPERIMENTAL RUNS BY ORANGE PRODUCTS.	EVALUATE THE POSSIBILITY OF MAKING SMALLER BATCHES FOR EXPERIMENTAL RUNS.	CYTECFIBERITE	200185	34
PREPREG	REDUCE THE AMOUNT OF SCRAP PREPREGS GOING INTO THE LANDFILL FROM ORANGE PRODUCTS	RESEARCH THE COMPOSITE INDUSTRY TO EVALUATE THE RESALE OF SCRAP PREPREG.	CYTECFIBERITE	200185	35
PROCEDURE CHANGE (MAINT., ETC.)	ASPHALT PRODUCTION (IMPROVE FACILITY MAINTENANCE): REDUCE THE QUANTITY OF ASPHALT WASTE AND VOC EMISSIONS THROUGH IMPLEMENTATION OF A PREVENTATIVE MAINTENANCE PROGRAM.	IMPLEMENTATION OF A PREVENTATIVE MAINTENANCE PLAN FOR OPERATING EQUIPMENT WILL DECREASE THE NUMBER AND SIZE OF LEAKS AND POTENTIAL LEALS OCCURRING AT THE FACILITY. PROACTIVE MAINTENANCE WILL ALSO INCREASE THE OPERATING EFFICIENCY OF THE FACILITY, RESULTING IN REDUCED EMISSIONS, LOWER FUEL CONSUMPTION AND, POSSIBLY, LESS CHEMICAL USAGE.	KOCH ASPHALT SOLUTIONS SOUTHWEST-GLENDALE	200760	3
PROCESS SOLUTION	ELIMINATE OR REDUCE HAZARDOUS CONSTITUENTS USED IN CHEMICAL FORMULATIONS IN PROCESS CHEMICALS.	PERFORM PROCESS CHEMICAL TRIALS WITH NEW PRODUCTS. (NOTE: COAL BURNING ACTIVITY IS THE MAIN SOURCE OF INDIVIDUAL CONSTITUENT CHEMICALS AND MAY BE INCREASED WITH INCREASED PRODUCTION.)	ABITIBI CONSOLIDATED SALES CORPORATION	200361	5
PROCESS/COOLING WATER	DECREASE DISCHARGES OF PROCESS WATER (EQUIP. WASH, EVAP. COOLING BLOWDOWN) TO CITY SEWER BY 50% AMENDMENT 1 (GOAL 4).	A. DEVELOP BASELINE DATA REGARDING THESE WASTES. B. IMPLEMENT RECYCLING OPTION ON TRANSFORMER WASH TO ACHIEVE ZERO DISCHARGE BY 12/96. C. IMPLEMENT RECYCLING ON GARAGE WASTE WATER TO REDUCE DISCHARGE BY 75% 12/97 D. EVALUATE REUSE OPTIONS FOR EVAP. COOLING WATER BLOWDOWN BY 12/97.	APS DEER VALLEY SERVICE CENTER	200040	9
PROCESS SOLUTION	ELIMINATE OR REDUCE PROCESS SOLN LOST DURING POLISHING OR CARTRIDGE FILLER CHANGES ** GOAL DROPPED **	AIR BLOW DOWN OF FILTER HOUSINGS PRIOR TO MAINTENANCE	GOULD ELECTRONICS, INC.	200163	7
PROCESS SOLUTION	AMENDMENT 1 - PROCESS MODS AND METHODS TO MINIMIZE THE USAGE OF PROCESS CHEMICALS	DEVELOP A SYSTEM TO PREVENT OVERFLOWING OF PROCESS TANKS BY INSTALLING FLOAT CONTROL VALVES FOR FILLING MOST COMMONLY OVERFILLED TANKS	KACHINA AEROSPACE & SEMICONDUCTOR	200203	18
PROCESS SOLUTION	AMENDMENT 1 - PROCESS MODIFICATIONS AND METHODS TO MINIMIZE THE USAGE OF PROCESS CHEMICALS	IMPLEMENT A DRAGOUT REDUCTION PILOT PROGRAM PROGRAM ON NITRIC ACID TANK PSO4. USE A DRAIN BOARD. MONITOR NITRIC USAGE FOR PS04. IMPLEMENT FOR THREE OTHER PROCESS TANKS.	KACHINA AEROSPACE & SEMICONDUCTOR	200203	19
PROCESS/COOLING WATER	REDUCE WATER CONSUMPTION FOR PROCESS AND COOLING WATERS	INSTALL A CLOSED LOOP WATER RECLAIMATION/ RECYCLING SYSTEM FOR PROCESS AND COOLING WATERS	UNITED DAIRYMEN OF ARIZONA	200416	2
PROCESS WASTE	REDUCE PROCESS WASTE BY 60% (6000 LBS B.O.D.).	CREATE A FEED DRESSING/ ANIMAL FEED PRODUCT FROM A LACTOSE BY-PRODUCT.	UNITED DAIRYMEN OF ARIZONA	200416	8
PROCESS WASTE	REDUCE B.O.D/T.D.S. AND TOTAL HYDRAULICS TO THE POTW BY REPROCESSING THE SOLIDS AND REUSING THE CHEMICALS.	REUSE OF CHEMICAL RINSE TO REDUCE T.S.D. LOAD AND REUSE THE CHEMICALS. PRE-RINSE TO REDUCE B.O.D. LOAD -REPROCESS SOLIDS.	UNITED DAIRYMEN OF ARIZONA	200416	9
PROJECT XL GOALS	THIS FACILITY IS UNDER THE EXCELLENCE IN LEADERSHIP (XL) PROGRAM IN COOPERATION WITH EPA & STATE & LOCAL GOVERNMENTS AND IN ACCORDANCE WITH THE FINAL PROJECT AGREEMENT DATED OCTOBER 18, 1996. FACILITY WIDE POLLUTION PREVENTION GOALS HAVE BEEN ESTABLISHED THAT FALL WITHIN PROGRAMS FOR RECYCLING (SOLID, HAZARDOUS AND NON-HAZARDOUS WASTE), CITY AND WASTE WATER REUSE, AND CONTROLS FOR EMISSIONS OF HAPS, VOCS, NOX, CO, SO2 & PM10. EACH SPECIFIC GOAL WILL NOT BE LISTED HERE	PROJECT XL HAS ESTABLISHED OVERALL PLANT GOALS THAT INCORPORATE BROAD POLLUTION PREVENTION ACTIVITIES WITHIN THE WASTE MANAGEMENT, RECYCLING, WATER USE AND AIR EMISSION CONTROL PROGRAMS. INTEL WILL PUBLISH QUARTERLY REPORTS BY MAY 30, AUG 30, NOV 30 & FEB 28 OF EACH YEAR.	INTEL CORP--SOUTH DOBSON ROAD	200584	1
PROPANE	REDUCE THE POTENTIAL FOR IMPACT OF A PROPANE TANK WHICH CAN CAUSE AN EXPLOSION	INSTALL SIX BOLLARDS TO PROTECT PROPANE TANK	BADGER METER INC - RIO RICO AZ	200494	8

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
PROPELLANT (SCRAP)	(#TD5)-THUS REDUCE THE USE OF THE OPEN BURNING DISPOSAL METHOD FOR COMPOSITE PROPELLANT MANUFACTURING PROCESS AREAS AND REUSE WASTE SCRAP PROPELLANT WASTE.	IDENTIFY POTENTIAL VENDORS WHO CAN USE THE SCRAP PROPELLANTS AS A FEED STOCK THUS REDUCING DISPOSAL REQUIREMENTS. ACTION A: IDENTIFY POTENTIAL VENDORS BY 6/2001; ACTION B: AUDIT VENDORS FOR ENVIRONMENTAL COMPLIANCE BY 6/2002; ACTION C: ESTABLISH REUSE AGREEMENTS BY 6/2003; ACTION D: SEND SAMPLE OF PROPELLANTS FOR REUSE TESTING BY 6/2004; ACTION E: SIGNIFICANTLY REDUCE DEPENDANCE ON OPEN BURNING DISPOSAL METHOD BY 6/2005.	TALLEY DEFENSE SYSTEMS - PLT 4	200370	40
PROPELLANT (SCRAP)	3.4: OVERALL PLANTWIDE GOAL: REDUCE THE AMOUNT OF SCRAP PROPELLANT AND OXIDIZER BURNED ON OPEN BURN PAD. THE GOAL FOR 1995 IS A 95% REDUCTION FROM THE 1992 LEVEL.	3.4 GOAL: ACTION PLAN (1) EVALUATE ALL SCRAP NOW BURNED ON THE PAD FOR MATERIALS WHICH COULD BE TRANSFERED TO THE THERMAL TREATMENT UNIT BY JULY 31, 1994. THIS INCLUDES PERFORMING COMPUTER MODELING OF THE STACK EMISSIONS AND DEVELOPING MIXES WHICH ARE SAFE TO TREAT IN THE THERMAL TREATMENT UNIT (CLOSED 1995); ACTION PLAN (2) APPLY FOR OPERATING PERMIT MODIFICATIONS WHICH WILL ALLOW FOR TREATING ADDITONAL MIXES IN THE THERMAL TREATMENT UNIT BY AUG. 31, 1994 (CLOSED 1995); ACTION PLAN (3) DETERMINE AND IMPLEMENT ALTERNATIVE METHODS OF DISPOSAL FOR OFF-SPEC EXPLOSIVE DEVICES BY JAN 31, 1995 (DROPPED-CLOSED); ACTION PLAN (4) EVALUATE AND IMPLEMENT METHODS TO REDUCE THE QUANTITY OF EXCESS OR SCRAP OXIDIZER GENARATED BY JAN. 31, 1995 (CLOSED 11/1/2000)	UNIVERSAL PROPULSION COMPANY INC.	200421	11
PROPYLENE GLYCOL MONOMETH	8.2.10 SOLDER LEVEL FLUX AND OIL INCLUDING GLYCEROL POLYETHER, ETHYLENE GLYCOL MONOBUTLY ETHER AND POLYALKENE GLYCOLS IN BUILDING A. GOAL 2 - IMPROVED EMISSION CONTROLS	PROCESS MODIFICATION: ADD VOC EMISSION CONTROLS FOR THIS PROCESS EXHAUST POSSIBLY INCLUDING AN ELECTROSTATIC PREDCIPITATOR, ACTIVATED CARBON IN ADDITION TO EXISTING SCRUBBER.	CONTINENTIAL CIRCUITS	200105	14
PROPYLENE GLYCOL MONOMETH	REDUCE THE VOC EMISSIONS PER WAFER (55ML/WAFER) FROM THE APPLICATION OF THE DEVELOPER BY 15%. PROCESS: RESIN IS APPLIED TO WAFERS WHICH ARE SPUN TO PROVIDE AN EVEN COATING. AN ADHESION PROMOTER IS USED PRIOR TO THE RESIN. A DEVELOPER AND RINSE SOLVENT ARE ALSO USED. WAFERS ARE PROCESSED ONE AT A TIME.	OPTIMIZE THE TIME WHICH THE DEVELOPER IS DISPENSED ON EACH WAFER.	FLIP CHIP TECHNOLOGIES	200629	5
PROPYLENE GLYCOL MONOMETH	REDUCE VOC EMISSIONS IN PHOTOLITHOGRAPHY PROCESS.	EVALUATE THE NEED, FEASIBILITY, ENVIRONMENTAL AND BUSINESS IMPACT FOR COLLECTING VOC's FROM THE CHANDLER I AND INSTALLING AN ABATEMENT SYSTEM	MICROCHIP TECHNOLOGY-CHANDLER	200247	17
PUMP OIL (ARSINE)	REDUCE THE VOLUME OF ARSENIC CONTAMINATED VACUUM PUMP OIL WASTE. 1) IDENTIFY OIL CLARIFIER OPTIONS, 2) SELECT BEST ALTERNATIVE, 3) PURCHASE AND INSTALL EQUIPMENT. **DROPPED**	INSTALL OIL CLARIFIER SYSTEM TO EXTEND THE LIFE OF VACUUM PUMP OIL	PRAXAIR INC	200475	4
R-12	ELIMINATE USE OF CLASS I ODCS IN ARMY WEAPONS TESTING SYSTEMS. (1) FOLLOW THE YUMA PROVING GROUND ODC ELIMINATION PLAN FOR ELIMINATION OF ODCS ASSOCIATED WITH ENVIRONMENTAL SIMULATION TEST ACTIVITIES. (2) ESTABLISH A PROCEDURE FOR TRACKING PROGRESS OF ALL ODC ELIMINATION.	REPLACE ODCS WITH NEW PRODUCTS AS THEY BECOME AVAILABLE. REPLACE OR RETROFIT SYSTEMS THAT USE ODCS	U.S. ARMY - YUMA PROVING GROUND	200406	9
R-13	ELIMINATE USE OF CLASS I ODCS IN ARMY WEAPONS TESTING SYSTEMS. (1) FOLLOW THE YUMA PROVING GROUND ODC ELIMINATION PLAN FOR ELIMINATION OF ODCS ASSOCIATED WITH ENVIRONMENTAL SIMULATION TEST ACTIVITIES. (2) ESTABLISH A PROCEDURE FOR TRACKING PROGRESS OF ALL ODC ELIMINATION.	REPLACE ODCS WITH NEW PRODUCTS AS THEY BECOME AVAILABLE. REPLACE OR RETROFIT SYSTEMS THAT USE ODCS	U.S. ARMY - YUMA PROVING GROUND	200406	9
R-500	FACILITIES GOAL 5A: CFC REFIGERANT PHASE-OUT PROGRAM ** GOAL DROPPED**	REPLACE/ELIMINATE CFC REFRIGERANT AND RESULTANT EMISSIONS	CYTECFIBERITE	200185	18
RACK STRIP	REDUCE CHEMICAL USAGE ON PAL LINES.	BY DETERMINING THE FEASIBILITY OF IN-LINE FILTERS TO EXTEND BATH LIFE.	SANMINA - SCI	200669	20
RAGS	REDUCE SOLID WASTE DISPOSAL.	SEND RAGS OUT FOR LAUNDERING AND REUSE.	ADOT- SAFETY AND HEALTH SECTION	200009	10
RAGS	ELIMINATE THE DISPOSAL OF WASTE RAGS	LAUNDER SHOP TOWELS: 1. PREPARE COST STUDY AND PROPOSAL. 2. ESTABLISH PROGRAM AND MONITOR	AVIATION MANAGEMENT SYSTEMS, INC.	200130	5
RAGS	REDUCE THE AMOUNT OF SOLVENT CONTAMINATED RAGS COLLECTED FOR OFFSITE WASHING.	PURCHASE AND INSTALL A CLOSED LOOP WASH WATER RECYCLING SYSTEM IN THE AGE SHOP, THEREBY REDUCING THE AMOUNT OF RAGS COLLECTED FOR OFFSITE WASHING.	AZ AIRFORCE NATIONAL GUARD (TUCSON/PHOENIX)	200696	6T
RAGS (MEK & TOLUENE)	REDUCE WASTE RAG GENERATION 25% FROM 1992 LEVEL OF 5 DRUMS/MONTH TO BELOW 4 DRUMS/MONTH	1. USE NON-VOC SOLVENTS BY 6/1993; 2. COVER RAGS BY 12/93; 3. ELIMINATE FINAL CLEAN PROCESS BY 12/93; 4. USE WASH-TUB TANKS TO CLEAN SILK SCREENS BY 2/94.	GOODRICH-AIRCRAFT EVACUATION SYSTEMS	200073	3

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
RAGS (MEK & TOLUENE)	REDUCE THE DISPOSAL OF RAGS.	IMPLEMENT A RAG RECYCLING PROGRAM. IN THIS PROGRAM RAGS THAT ARE USED FOR WIPING STAIN OR CLEANING EQUIPMENT ARE SENT OUT FOR LAUNDERING AND RETURNED FOR RE-USE. IN THE PAST WE HAVE DRUMMED ALL RAGS AS HAZARDOUS WASTE AND SHIPPED THEM OFF SITE FOR INCINERATION. WE ARE GENERATING AT LEAST ONE DRUM OF RECYCLING RAGS A WEEK.	MASTERCRAFT CABINETS, INC.	200229	8
RAGS - (TOLUENE & STYRENE)	ELIMINATE DISPOSABLE CLEANING RAGS (USED AND CONTAMINATED DURING VARIOUS CHEMICAL PROCESSES) AS A WASTE STREAM.	1. CONDUCT SUPERVISORY EVALUATIONS OF CHEMICAL USE SITUATIONS TO DETERMINE METHODS FOR REDUCTION/ ELIMINATION OF PROCESSES REQUIRING USE OF RAGS. 2. ASSESS FEASIBILITY OF COLLECTING RAGS FOR PERIODIC COMMERCIAL CLEANING (LAUNDRY SERVICE).	MESA FULLY FORMED	200241	20
RAGS	REDUCE AMOUNT OF CONTAMINATED RAGS	SWITCH TO RE-USEABLE CLOTH RAGS WHEREVER POSSIBLE; IMPLEMENT TOWEL LAUNDERING SERVICE TO REPLACE DISPOSABLE PAPER TOWELS WHENEVER POSSIBLE.	NORTHROP-GRUMMAN	200174	10
RAGS	DESIGN AND BUILD AUTOMATED RINSE TANK FOR CLEANING PRINT ROLLS (REPLACE HAND CLEANING) BY 12/31/96. UTILIZE RINSE TANK TO REDUCE THE RAGS USED IN PRINT ROLL CLEANING BY 1,000 LBS IN 1997.	REPLACE HAND WIPING WITH SOLVENT RINSE TANK	NORTHROP-GRUMMAN	200174	16
RAGS	PAINTING PROCESS: REDUCE PAINTS THAT CONTAIN HIGH PERCENTAGES OF TOXIC CHEMICALS.	(1) REGULATE PAINT MATERIALS THAT ARE PURCHASED FOR USE ON THE PROPERTY, (2) REDUCE THE NUMBER OF SUPPLIERS DOWN FROM FIVE OR SIX TO TWO OR THREE, (3) MONITOR & CONTROL WHAT TYPES OF PAINTS CONTRACTORS ARE USING, (4) RESEARCH NEW TYPES OF EQUIPMENT & APPLICATION PROCEDURES THAT COULD BE INCORPORATED IN OUR PROCESS, (5) AUDIT STIOCK ITEMS AND RESEARCH NEW TYPES OF ATTAINABLE MATERIALS AND PRODUCTS, (6) REDUCE OUTSIDE APPLICATIONS TO REDUCE OVERSPRAY, (7) DEFINE & SET STANDARDS THAT MUST BE MET BY ANYONE APPLYING PAINT AT PDMI & IMPLEMENT CONTROL OF ALL PRODUCTS PURCHASED, (8) MATERIAL EXCHANGE PROCESS TO BE IMPLEMENTED--ISSUE THEN RETURN UNUSED PAINTS TO STOCK.	PHELPS DODGE MINING, MORENCI BRANCH	200281	1
RAGS	REDUCE NON-HAZARDOUS RAGS DISPOSED INTO LANDFILL BY 6%. (GOAL 1, PROCESS AREA #2)	INVENTORY CONTROL DISPOSABLE RAGS TO PREVENT UNNECESSARY USE. GIVE PRESENTATION TO DEMONSTRATE COST SAVINGS AND ENVIRONMENTAL BENEFITS.	PHELPS DODGE SIERRITA, INC.	200694	2
RAGS (OIL AND GREASE)	REDUCE THE NEED FOR OFF-SITE DISPOSAL/TREATMENT OF RAGS CONTAMINATED WITH OIL AND GREASE	SEND RAGS TO BE LAUNDERED BY AN APPROVED INDUSTRIAL LAUNDRY FACILITY; USE SMALLER RAGS	THE BOEING COMPANY	200238	14
RAGS	REDUCE AMOUNT OF WASTE RAGS GENERATED IN 1994 BY 10% COMPARED TO 1992 GENERATION.	IMPLEMENT TRAINING PROGRAM TO ENSURE THAT RAGS ARE COMPLETELY SPENT.	TUSONIX INC.	200402	5
RAGS(PETROLEUM CONTAM)	REDUCE THE AMOUNT OF PETROLEUM CONTAMINATED RAGS TO BE SHIPPED AS A WASTE.	CONTRACT WITH A VENDOR THAT CAN LAUNDER PETROLEUM CONTAMINATED RAGS	AZ DEPT OF EMERGENCY MILITARY AFFAIRS	200058	3
RAGS(RESIN CONTAMINATED)	REDUCE VOLUME OF RESIN CONTAMINATED RAGS WASTE STREAM GENERATED IN 1993 BY 20% FROM THE 1991 LEVEL OF 3,648 LBS.	EDUCATE AND TRAIN WORK-FORCE TO ENSURE WHAT IS DISCARDED IS IN FACT CONTAMINATED	NORTHROP-GRUMMAN	200174	2
RCRA haardous waste	3.3d: REDUCE THE QUANTITY OF HAZARDOUS WASTE GENERATED AT PROPELLANT PLANT NO. 3-CONTINUED.(THIS IS STILL PART OF OVERALL GOAL #8 AND THIS GOAL WILL BE MEASURED AS PART OF GOAL #8.)	3.3d GOAL C: TREAT SLUDGE FROM PROPELLANT PLANT 3 CLEANUP IN THE THERMAL TREATMENT UNIT. ACTION PLAN (1) ANALYZE THE STACK EMISSIONS FROM TREATING THIS WASTE BY JULY 31, 1994 (CLOSED 1995); ACTION PLAN (2) APPLY FOR OPERATING PERMIT MODIFICATIONS TO ALLOW BURNING OF THE SLUDGE IN THE THERMAL TREATMENT UNIT BY AUG. 31, 1994 (CLOSED 1995)	UNIVERSAL PROPULSION COMPANY INC.	200421	10
RECYCLABLE MATERIALS	ENLIST SUPPORT OF PLANT PERSONNEL THROUGH THE DEVELOPMENT OF A MANAGEMENT SUPPORTED RECYCLING COMMITTEE.	FORMED A COMMITTEE; MONTHLY MEETINGS; BANNERS & POSTERS	MOTOROLA COMPUTER GROUP (DIABLO WAY)	200258	7
RER 550	PHOTOLITHOGRAPHY: REDUCE VOC AIR EMISSIONS BY THE INSTALLATION OF VOC ABATEMENT SYSTEMS.	INSTALL AN ABATEMENT SYSTEM ON PHOTOLITHOGRAPHY EQUIPMENT TO REDUCE (VOC) AIR EMISSIONS. ACTION PLAN 1) PURCHASE ABATEMENT UNITS. 2) INSTALL UNITS & NATURAL GAS LINE AND EXHAUST SYSTEM. 3) TEST ABATEMENT SYSTEMS FOR EFFICIENCY.	STMICROELECTRONICS, INC.	200585	2
RESIN PRODUCT WASTE	REDUCE THE AMOUNT OF WASTE PRODUCT GENERATED FROM ERRORS.	TRAIN EMPLOYEES REGARDING THE MEASURING OF WASTES AND HOW TO REDUCE THE AMOUNT GENERATED.	AnR MANUFACTURING, LTD.	200560	1
RESIN PRODUCT WASTE	REDUCE OVERSPRAY AND PRODUCT WASTE.	PURCHASE A NEW SPRAY GUN WHICH WILL REDUCE OVERSPRAY AND WASTE.	AnR MANUFACTURING, LTD.	200560	2
RESIN PRODUCT WASTE	REDUCE WASTE DUE TO THE ORDERING SYSTEM.	RESEARCH A COMPUTERIZED ORDER SYSTEM WHICH WOULD TRACK AND CALCULATE ORDERS.	AnR MANUFACTURING, LTD.	200560	3
RESIN (POLYCARBONATE)	REDUCE DISPOSAL OF 80,000 POUNDS OF EXCESS POLYCARBONATE REGRIND RESIN ***INACTIVE FACILITY***	MODIFY 570 BASE TO RUN THE REGRIND POLYCARBONATE MATERIAL; SWITCHED FROM ABS MATERIAL	BADGER METER INC - RIO RICO AZ	200494	7

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
RESIN PRODUCT WASTE	REDUCE THE AMOUNT OF SOLID WASTE GENERATED FROM THE SANDING OF THE FINISHED PRODUCT.	REDUCE THE AMOUNT OF RESIN MATERIALS USED IN THE POURING PROCESS, THUS REDUCING THE AMOUNT OF SOLID MATERIAL REQUIRING SANDING.	HARTSON KENNEDY CABINET TOP COMPANY	200708	3
RESIN	ELIMINATE SCRAPPING THE 5000 POUNDS OF POLYIMIDE RESIN IN THE DIP TANK	DEVELOP A FLOW COATING PROCESS WHICH WILL OPERATE ON A MUCH SMALLER VOLUME OF RESIN THAN A DIPPING OPERATION.	NORTHROP-GRUMMAN	200174	7
RESIN SOLUTION WASTE	REDUCE RESIN SOLUTION WASTE STREAM GENERATED FROM THE MIXING AND APPLICATION OF SOLVENT BASED LAMINATE ADHESIVE.	PROMOTE A 25% AN INCREASE IN WATER BASED ADHESIVES IN LAMINATE MANUFACTURING; USE OPERATOR AWARENESS TO DECREASE HAZWASTE GENERATION	ROGERS CORP. ADV-CIRCUIT MAT'LS DIV	200461	1
RESINS - MIXED	GOAL 3A GLASS KELVAR TOOLING: REDUCE BATCH SIZE ON MIXED RESINS	ACTIONS 1-4: EVALUATE CURRENT PRACTICE; EVALUATE ALTERNATIVES; ESTABLISH PROCEDURES; TRAIN/ IMPLEMENT	CYTECFIBERITE	200185	17
RESINS - MIXED	REDUCE RESIN USAGE WHICH CONTAINS FORMALDEHYDE AND PHENOL.	REDUCE THE AMOUNT OF RESIN USED IN IMPREGNATION MIX BY ADDING MORE WATER TO THE MIX, THEREBY CHANGING THE RATIO OF RESIN TO WATER IN THE MIX ALLOWING BETTER CONTROL OF THE RESIN TO PAPER RATIO.	MUNTERS CORPORATION	200261	10
REWORKED METAL PARTS	IMPROVE REJECTION RATE ON CUSTOMER AND IN-HOUSE PARTS	USE STATISTICAL PROCESS CONTROL TECHNIQUES TO DEVELOP PARETO ANALYSIS AND STATISTICS ON REJECTS AND REWORKS	METCO METAL FINISHING - PHOENIX	200451	3
RINSE WATER	REDUCE AMOUNT OF RINSE WATER USED TO SPRAY RINSE PHOSPHORIC ACID AND METAL CLEANER FROM STEEL PIPE AND OBTAIN ZERO DISCHARGE.	INSTALL REVERSE OSMOSIS FILTRATION SYSTEM TO CLEAN AND ALLOW REUSE OF RINSE WATERS	ALLIED TUBE AND CONDUIT	200032	5
RINSE WATER	REDUCE THE AMOUNT OF CHROMATE PROCESS RINSE WATER USED AND EXTEND RINSE WATER LIFE ** GOAL DROPPED**.	RESEARCH USE OF ION EXCHANGE, OR FILTRATION THROUGH BENCH SCALE TESTS ** GOAL DROPPED**	ALLIED TUBE AND CONDUIT	200032	8
RINSE WATER	REDUCE THE USE OF PLATING RINSE WATER BY RINSING PARTS BETTER AFTER USING ZINCATE. **NEED MEASUREMENT TO CLOSE OUT THIS GOAL***	THE RINSE WATER QUALITY IS ALREADY MEASURED, SO IF THE TANK DRAG-OUT IS LESS, AND THE PARTS RINSE EASIER, THEN THE WATER FLUSH SOLENOID WILL NOT ACTIVATE AS OFTEN.	CHEM RESEARCH CO	200085	25
RINSE WATER	REDUCE WATER USAGE ON THE PLATING/CLEANING LINES. AREAS A, E, L, Q AND T.	INSTALL AUTOMATIC PLC CONTROLLED WATER VALVES ON THE MAIN WATER LINES THAT FEED EACH MAIN PROCESS AREA. THE VALVES WILL THEN TURN OFF AUTOMATICALLY DURING EACH BREAK AND AT THE END OF EACH SHIFT.	CHEM RESEARCH CO	200085	27
RINSE WATER (CORROSIVE)	ACID/CAUSTIC CLEANING: REDUCE THE VOLUME OF SPENT RINSE WATER GENERATED.	BEGAN USING BIODEGRADABLE BUFFERS IN THE WATER RINSE BATHS FOR ACID CLEANING OPERATIONS TO STABILIZE THE PH AND REDUCE WATER USE.	DOLPHIN, INCORPORATED	200125	1
RINSE WATER (CORROSIVE)	ACID/CAUSTIC CLEANING: REDUCE THE TOXICITY OF THE SPENT RINSE WATER GENERATED BY ACID AND CAUSTIC CLEANING.	INSTALLED A UNIPURE WASTEWATER TREATMENT UNIT TO REDUCE TOXICITY THROUGH ELEMENTARY NEUTRALIZATION AND METALS PRECIPITATION	DOLPHIN, INCORPORATED	200125	2
RINSE WATER-NICKEL PLATE	REDUCE RINSE WATER USAGE IN PLATING PROCESSES.	USE LESS WATER IN PLATING PROCESS.	EVERETT CHARLES TECHNOLOGIES STG	200131	18
RINSE WATER - ETCHING	DETERMINE PROPER AMOUNT OF RINSE TIME NEEDED AND UPDATE PROCESS FOR ETCHING OPERATION.	RESEARCH WITH ENGINEERING STAFF AND IMPLEMENT PROCESS CHANGE	HEXCEL CORPORATION	200464	9
RINSE WATER	REDUCE RINSE WATER USE BY 10%. INVESTIGATE THE FEASIBILITY OF: INSTALLING CONDUCTIVITY CONTROL SYSTEMS ON METAL-BEARING RINSE TANKS TO REDUCE RINSE WATER USE; REPLACING CONDUCTIVITY CONTROL SYSTEMS WITH ELECTROLESS SENSOR SYSTEMS; EXTENDING INLET PIPING TO BOTTOM OF RINSE TANK TO IMPROVE RINSE WATER CIRCULATION; AGITATING RINSE WATER IN PLT-002 TO IMPROVE RINSING QUALITY OF THE PANELS. INSTALL FLOW METERS TO MEASURE FLOW RATE. TEST FEASIBLE ALTERNATIVES ON SMALL SCALE. IMPLEMENT BEST ALTERNATIVES.	REDUCE RINSE WATER USAGE BY IMPLEMENTING RINSE IMPROVEMENT TECHNIQUES AND CONDUCTIVITY CONTROL SYSTEMS.	INNOVEX SOUTHWEST, INC.	200511	4
RINSE WATER	AMENDMENT 1 - CHEMICAL PROCESS RINSE WATER USAGE REDUCTION	DEVELOP TRAINING PROGRAM AND ANNUALLY TRAIN EMPLOYEES ON WATER REDUCTION PRACTICES FOR THE METAL FINISHING INDUSTRY TO INCREASE AWARENESS AND REDUCE COST	KACHINA AEROSPACE & SEMICONDUCTOR	200203	10
RINSE WATER	AMENDMENT 1 - CHEMICAL PROCESS RINSE WATER USAGE REDUCTION	INSTALL FLOW RESTRICTORS ON ALL RINSE TANKS TO SET A MAX FLOW FROM 7 GPM TO 2 GPM	KACHINA AEROSPACE & SEMICONDUCTOR	200203	11
RINSE WATER	AMENDMENT 1-CHEMICAL PROCESS RINSE WATER REDUCTION	FORM EMPLOYEE TEAM TO IMPLEMENT GOALS AND MONITOR PROGRESS. BRAINSTORM OPPORTUNITIES TO FURTHER REDUCE WASTEWATER	KACHINA AEROSPACE & SEMICONDUCTOR	200203	8
RINSE WATER	AMENDMENT 1 - CHEMICAL PROCESS RINSE WATER USAGE REDUCTION	INSTALL AN ION EXCHANGE SYSTEM TO REMOVE SILVER FROM THE GOLD AND SILVER STRIP PROCESS. REUSE RINSE WATER IN PROCESS RINSE TANKS	KACHINA AEROSPACE & SEMICONDUCTOR	200203	9

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
RINSE WATER	REDUCE THE AMOUNT OF PRE CLEAN RINSE WATER THAT IS PROCESSED THROUGH THE FLOW THROUGH WASTE SYSTEM AND DIRECT IT TO THE MORE EFFICIENT ION EXCHANGE SYSTEM.	EVALUATE NEW CLEANERS FOR THE SOLDER LEVEL PRE CLEAN LINE TO ENABLE THIS STREAM TO GO TO THE ION EXCHANGE SYSTEM. THIS WILL RE-ROUTE APPROXIMATELY 1800 GALLONS OF WATER TO THE MORE EFFICIENT ION EXCHANGE SYSTEM.	MICOM CIRCUITS WEST	200245	6
RINSE WATER (DE-IONIZED)	REDUCE THE AMOUNT OF DE-IONIZED WATER MIXING WITH CONTAMINATED SOURCES THAT IS PRETREATED AND DISCHARGED TO THE POTW.	RECYCLE DEIONIZED WATER BY PHYSICAL SEGREGATION & SEPARATION DISTRIBUTION TO WATER WASH FUME SCRUBBERS PRIOR TO REJOINING WASTE WATER STREAM AT THE INDUSTRIAL PRETREATMENT PROCESS.	MICROCHIP TECHNOLOGY-CHANDLER	200247	7
RINSE WATER	CONTINUE REUSE OF TREATED INDUSTRIAL EFFLUENT FOR THE BOTTLE WASH OPERATION	DISTRIBUTION LOOP INSTALLED IN CHANDLER FAB 1 WITHDRAWS TREATED INDUSTRIAL EFFLUENT FROM FINAL NEUTRALIZATION TANK PROCESS THRU THE BOTTLE WASH STATION, THEN RETURNS TO THE BEGINNING OF THE INDUSTRIAL PRETREATMENT PROCESS. DISTRIBUTION PLANNED FOR INSTALL DURING 1996 IN WWT/DI BLG AT TEMPE FAB 2, BOTTLE WASH USING RECYCLED WASTEWATER INSTALLED.	MICROCHIP TECHNOLOGY-CHANDLER	200247	8
RINSE WATER	REDUCE USE OF RINSE WATER IN THE BMC FAB.	MAKE IDLE FLOW MODIFICATIONS TO ELEVEN WET HOODS IN BMC	MOTOROLA - MESA	200255	19
RINSE WATER	REDUCE THE VOLUME OF WATER FROM 160,000 GPD TO 144,000 GPD (10%)	REPAIR WATER CONSERVATION CIRCUITS DESIGNED TO STOP WATER FLOW TO RINSE CHAMBERS WHEN PRODUCT IS NOT MOVING ON CONVEYOR	NELCO TECHNOLOGY, INC.	200265	1
RINSE WATER	REDUCE VOLUME OF WATER USED	INSTALL WATER REUSE CIRCUIT TO REUSE BRINE DISCHARGE WATER FROM RO UNIT TO CONSERVE CITY WATER; INSTALLED TANK AND PUMP.	NELCO TECHNOLOGY, INC.	200265	2
RINSE WATER	REDUCE VOLUME OF WATER USED	INSTALL A WATER REUSE CIRCUIT TO REUSE THE INNERLAM DI RINSE TO SUB FOR STRIPPER OR DEVELOPER RINSE	NELCO TECHNOLOGY, INC.	200265	3
RINSE WATER-NICKEL PLATE	REDUCE NICKEL PLATING RINSE WATER EFFLUENT FROM 82 GAL/HR TO 50 GAL/HR BASED ON A 2000 HR WORK YEAR	ACCUMULATE SPRAY RINSE EFFLUENT AND PUMP IT TO UPSTREAM TANKS (CASCADE TANK) REUSE CASCADE RINSE IN DRAG-OUT TANK THEN SHUT OFF DI FRESH WATER TO CASCADE	ROGERS CORP-PDD (MESA)	200324	1
RINSE WATER	ELIMINATE OFFSITE TREATMENT OF 2ND AND 3RD RINSE WASTE WATERS IN THE WATER BASED ADHESIVE MIXING AND COATING PROCESS.	INSTALL WASTE WATER TREATMENT EQUIPMENT TO TREAT 2ND AND 3RD RINSE WASTE WATER ON-SITE.	ROGERS CORP. ADV-CIRCUIT MAT'LS DIV	200461	12
RINSE WATER	REDUCE RAW WATER REQUIREMENTS BY REUSING DI RINSE WATER AS FEED WATER TO SITE COOLING TOWERS AND SCRUBBERS (ZR-2000-4).	REUSE DI RINSE WATER AS FEED WATER TO COOLING TOWER AND SCRUBBER 1) INSTALL PIPING TO CONNECT TO EXISTING REUSE SYSTEMS 2) MONITOR WATER QUALITY 3) DISCONNECT ANY PIECES OF EQUIPMENT THAT ARE DISTURBING QUALITY 4) ACTIVATE SYSTEM.	SCI,L.L.C (ON SEMICONDUCTOR)	200726	4
RINSE WATER	REDUCE THE AMOUNT OF WATER CONSUMPTION AT THE FACILITY	RESEARCH WATER RE-USE; PURCHASE REVERSE OSMOSIS AND ION EXCHANGE SYSTEM TO OBTAIN 50% RECYCLED WATER; IDENTIFY/REPAIR LEAKS; INSTALL LOW FLOW TOILETS	SOUTHWEST CIRCUITS INC.	200343	5
RINSE WATERS	ELIMINATE COMPLETELY DISCHARGING OF PRODUCTS' RINSE WATER WHICH CONTAINS PARAMETER OR ELEMENTS OF CONCERN	REUSE RINSE WATERS. RINSE WATERS ARE TO BE RECYCLED INTO FINAL PRODUCT	SURFACE TEK SPECIALITY PRODUCTS	200571	2
RINSE WATER WITH CHROMIUM	REDUCE WASTE GENERATED IN THE CHEMICAL SOLUTIONS & ASSOCIATED RINSE WATER RESULTING FROM CHEMFILM OPERATIONS. (METAL SURFACE PREPARATION FOR PAINTING)	RECYCLE THE PROCESS SOLUTION WITHIN THE PROCESS TO PROLONG THE LIFE OF THE CHEMICAL SOLUTIONS AND RINSE WATERS. ACTION PLAN: PERFORM AN ENGINEERING FEASIBILITY STUDY & MATERIAL/PROCESS ANALYSIS TO CONVERT THE CHEMFILM OPERATION TO A CLOSED-LOOP SYSTEM WHICH WILL REDUCE THE AMOUNT OF WASTE GENERATED.	THE BOEING COMPANY	200238	23
RO CHEMICALS	REDUCE CHEMICAL USAGE FOR THE REVERSE OSMOSIS SYSTEM AND REDUCE THE AMOUNT OF WATER LOST	RESEARCH TOLERANCES OF EXISTING PROCESS EQUIPMENT UTILITY NEEDS.	SCHREIBER FOODS, INC.	200529	6
SAFETY KLEEN WASH SOLVENT	REDUCE THE AMOUNT OF SAFETY CLEAN PARTS WASHING SOLVENT	CHANGE SERVICE FREQUENCY FROM EVERY 6 WEEKS TO EVERY 8 WEEKS; PREWASH THE PARTS WITH DE-SOLV-IT (NON-HAZARDOUS) TO REMOVE HEAVYDIRT AND PRESERVATIVES; REPLACE WITH NONHAZARDOUS #6605 PREMIUM SOLVENT	JOHNS MANVILLE INTERNATIONAL INC.	200227	1
SAFETY KLEEN SOLVENT	REDUCE CLEANING AND DEGREASING OPERATIONS THAT USE PD680 AND SAFETY KLEEN SOLVENTS BY 75%.	REPLACE SOLVENTS WITH AQUEOUS OR LOW VAPOR PRESSURE COMPOUNDS WHERE SUITABLE.	U.S. ARMY - YUMA PROVING GROUND	200406	6
SAFETY KLEEN SOLVENT	REDUCE PARTS CLEANING HAZARDOUS WASTE GENERATION IN MAINTENANCE DEPARTMENT (8.1.4)	EVALUATE ALTERNATIVE MAINTENANCE PARTS CLEANING SYSTEMS/SOLUTIONS	WEISER LOCK COMPANY	200435	4
SAND - GREEN (COPPER, LEAD, ZINC)	PREVENT LEACHING INTO STORMWATER RUN-OFF AND FUGITIVE DUST EMISSIONS FROM GREEN SAND PILE STORED ON-SITE.	REDUCE THE AMOUNT OF USED GREEN SAND STORED ON-SITE AND ALSO PREVENT FUTURE ACCUMULATIONS 1) MAKE ARRANGEMENTS WITH A SMELTER TO RECOVER METALS, 2) PLACE SAND IN CONTAINERS AND 3) TRANSPORT TO SMELTER.	AACCO CAST PRODUCTS, INC.	200526	10
SAND	REDUCE SPILLAGE AND LOSS FROM INTERNAL SAND RECOVERY SYSTEM.	MODIFY DESIGN OF SAND RETURN BELT TO MINIMIZE LOSSES ONTO FOUNDRY FLOOR DURING TRANSPORTATION	AACCO CAST PRODUCTS, INC.	200526	7

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
SAND (CASTINGS)	REDUCE USE OF SAND IN SHELL CORE CASTINGS	SUBSTITUTE WITH SHREDDED WASTE PAPER FROM OFFICE FOR FILL	ARIZONA CASTINGS, INC.	200477	3
SAND DUST	REDUCE THE AMOUNT OF DUST IN THE SAND HANDLING AREA. INSTALL A MECHANICAL SAND HANDLING SYSTEM FOR GREEN SAND THAT WILL REDUCE THE AMOUNT OF DUST IN THE AREA.	INSTALL A SILO WITH A BINVENT AND MECHANICAL CONVEYOR THAT WILL ALLOW US TO CAPTURE MUCH OF WHAT OTHERWISE WOULD BE FREE DUST. 7/2000: THE RECAPTURED DUST & FINE SAND IS RETURNED DIRECTLY TO THE SAND SYSTEM. THERE IS NO WAY TO MEASURE WHAT IS CAPTURED.	ARIZONA CASTINGS, INC.	200477	8
SAND	REDUCE AMOUNT OF NEW MOLDING SAND PURCHASED	INSTALL NEW AND MORE EFFICIENT MOLDING SYSTEM	ME GLOBAL INC.	200079	3
SAND	REDUCE QUANTITY OF BINDER REQUIRED	IMPROVE SAND QUALITY WHICH WILL REDUCE THE AMOUNT OF BINDER REQUIRED	ME GLOBAL INC.	200079	4
SATURATOR FINES	REDUCTION OF WASTE GENERATED FROM FIBER SATURATION PROCESS. 1) RESEARCH MOST EFFECTIVE METHOD, 2) FABRICATE/INSTALL EQUIPMENT.	REDUCTION OF WASTE PRODUCED DURING OPERATIONS THROUGH INSTALLATION OF A DEVICE TO REDUCE VOLUME OF LOOSE FIBERS PRIOR TO BOARDS ENTERING THE SATURATOR.	W. R. MEADOWS OF ARIZONA INC	200433	5
SC-592	REDUCE REWORK ASSOCIATED WITH OIL CONTAMINATED BY 75%, THEREFORE REDUCING CLEANING LINE CHEMICALS BY 20%	REWORK PIPING TO SEPARATE OIL FROM SOLUTION. INSTALL AQUEOUS CLEANER SYSTEM. ADD MORE RINSE TANKS.	PRECISION PLATING, INC.	200531	5
SCRAP RUNNERS	ELIMINATE SPRUES AND RUNNERS WHICH REDUCES DOW CLEAR POLYCARBONATE AND DUPONT ZYTEL NYLON ***INACTIVE FACILITY***	BUILD A NEW HOT RUNNER WHICH WILL SAVE RUNNERS AND SCRAP WHEN PARTS ARE DIMENSIONALLY CORRECT	BADGER METER INC - RIO RICO AZ	200494	6
SCRAP AND RUNNER REGRIND	REDUCE REGRIND SCRAP PARTS, SPRUES AND RUNNERS AT THE MOLDING PRESS	BUILD NEW RUNNERLESS MOLD FOR THE ROUND LENS MOLD; ASSIST CUSTOMERS IN BLDG NEW TOOLS TO REDUCE SCRAP	BADGER METER INC - RIO RICO AZ	200494	9
SCRAP INK	REDUCE THE VOLUME OF WSRP BOTTOMS SENT OFFSITE FOR TREATMENT AND MIXROOM SCRAP INK.	RECOVER SOLVENT FROM HAZARDOUS WASTE: 1.FEASIBILITY RUNS 2. INSTALL EQUIPMENT, 3. BEGIN OPERATING STEAMHEATED WSRP, 4. UPDATE WSRP DOCUMENTATION.	IMATION CORPORATION	200001	9
SCRAP CIRCUIT BOARDS	REDUCE THE NUMBER OF CIRCUIT BOARDS SCRAPPED DUE TO BAD FILM RESULTING FROM LACK OF A CLIMATE CONTROL SYSTEM IN THE ARTWORK ROOM	BUILD A CLIMATE CONTROL SYSTEM IN THE ARTWORK/IMAGE ROOM	SOUTHWEST CIRCUITS INC.	200343	12
SCRAP GENERANT	RECOVER SODIUM AZIDE FROM MINIMUM 90% OF THE OFF SPECIFICATION GAS GENERANT.	PROCESS POWDERED GENERANT INTO AN AQUEOUS SLURRY; PROCESS IN AZIDE RECOVERY UNIT	TRW VEHICLE SAFETY SYSTEMS,MESA II	200369	2
SCRUBBER	(GOAL FOR 200145) REDUCE COSTS ASSOCIATED WITH MAINTAINING THE CHROME SCRUBBER 1) DESIGN AS PH CONTROL UNIT WITH SOFTENER ON SCRUBBER 2) FUND PROJECT BUDGET 3) INSTALL PH CONTROL UNIT 4) IMPLEMENT 5) REVIEW EFFECTIVENESS OF PLAN.	INSTALL A PH CONTROL UNIT WITH SOFTENER ON SCRUBBER	HONEYWELL ENGINES (FORMERLY ALLIEDSIGNAL ENGINES)	200144	12
SCRUBBER SLUDGE	ELIMINATE THE ELECTROPOLISHING AND PASSIVATION PROCESS BY DECEMBER 31, 1997	REMOVE EQUIPMENT	KARSTEN PRECISION BRAZE-WELD-PLATE	200230	2
SEDIMENT	REDUCE SEDIMENT LOADING TO WASHRACK SEDIMENT CHAMBER.	CONSTRUCT A CANOPY OVER THE WASHRACK, AND INSTALL CURBING AROUND THE WASHRACK TO MINIMIZE RUNOFF AND SEDIMENT FROM ENTERING THE WASHRACK. REMOVE CAKED MUD AND SEDIMENT OF OFF FORKLIFTS AND OTHER EQUIPMENT PRIOR TO RINSING ON WASHRACK.	SCHUFF STEEL COMPANY-GILBERT	200681	13
SEED WASTE	REDUCE SEED SPILLAGE	DEVELOP AND IMPLEMENT PROCEDURE TO RETRAIN AND MONITOR REBAGGING CREW.	DELTA & PINE LAND CO	200119	10
SEED WASTE	REDUCE TREATED SEED WASTE	INSTALL AIR PORT AT BOTTOM OF ELEVATORS SO AIRWANDS WILL BLOW SEED UP INTO THE BUCKETS REDUCING WASTE DURING CLEANOUTS	DELTA & PINE LAND CO	200119	9
SELENIUM	REDUCE HAZARDOUS AIR POLLUTANTS BY 5.8 TONS/YR BY 1999 RESULTING FROM STACK EMISSIONS AND CONCENTRATE HANDLING.	INSTALL ANODE FLOOR INSTRUMENTATION. PURCHASE INCREASED EFFICIENCY VACUUM STREET SWEEPER. 1. DRYER BAGHOUSE HAS BEEN INSTALLED. 2. HIGH EFFICIENCY SWEEPER HAS BEEN PURCHASED AND REMAINS IN USE. 3. ANODE FLOOR INSTRUMENTATION AND STEAM INJECTION HAS BEEN INSTALLED.	BHP COPPER, SAN MANUEL SMELTING AND REFINING	200226	17
SELENIUM	REDUCE HEAVY METALS SOIL CONTAMINATION FACILITY WIDE BY 30% BY 1999.	CONSTRUCTION OF COVERED CONCENTRATE STORAGE FACILITY. ENGINEERING AND DESIGN PLANS WERE COMPLETED DURING CALENDAR YEAR 1998 AND CONSTRUCTION WAS BEGUN. CONSTRUCTION COMPLETED 6/15/99. COVERED CONCENTRATE STORAGE FACILITY NOW IN OPERATION.	BHP COPPER, SAN MANUEL SMELTING AND REFINING	200226	18
SELENIUM	DELIVER 10 TRAINING SEMINARS TO BHP EMPLOYEES WHICH DETAIL PROPER MANAGEMENT AND POLLUTION PREVENTION PRACTICES OF AND PERTAINING TO REDUCTION OF HEAVY METALS CONTAMINATED SOIL.	DELIVER TRAINING SEMINARS. SEMINARS COMPLETED. ANNUAL TRAINING WILL CONTINUE WITH EXISTING EMPLOYEES.	BHP COPPER, SAN MANUEL SMELTING AND REFINING	200226	19
SELENIUM	REDUCE RUNOFF OF SLAG CONSTITUENTS BY CONSTRUCTING A LINED RECLAMATION POND AT SLAG COOLING PITS.	CONSTRUCTION OF LINED RECLAMATION POND	BHP COPPER, SAN MANUEL SMELTING AND REFINING	200226	20
SELENIUM	REDUCE WASTE WATER TREATMENT FACILITY EXCEEDANCES FOR SELENIUM	SELENIUM: INVESTIGATE ONBASE SOURCES AND TEST SUSPECT PRODUCTS.	U.S.A.F. - LUKE	200409	14

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
SHELL MATERIAL	REDUCE EMISSIONS FROM THE SHELL REMOVAL AND SAND BLASTING OPERATION AND REDUCE THE AMOUNT OF SHELL MATERIAL.	CONSTRUCT A NEW CLEANING AND FINISHING BUILDING TO TOTALLY ENCLOSE SANDBLAST EQUIPMENT; REUSE THE SHELL MATERIAL IN OTHER PROCESS; RECYCLE SHELL MATERIAL WITH A CONCRETE MIXING FACILITY.	DOLPHIN, INCORPORATED	200125	14
SHELL (CASTING) MATERIAL	REDUCE/ ELIMINATE THE DISPOSAL OF SHELL MATERIAL USED IN CASTING PROCESS THAT IS DISPOSED OFFSITE IN LANDFILL.	RESEARCH FEASIBILITY OF RECYCLING SHELL MATERIAL AS AN ALTERNATE LANDFILL COVER.	DOLPHIN, INCORPORATED	200125	16
SHUTTER PRODUCTS	REDUCE MANUFACTURING AND FINISHING OF WOOD PRODUCTS AT ARIZONA FACILITY	REQUIRE LAS VEGAS/TEXAS OFFICES TO BE RESPONSIBLE FOR THEIR OWN MANUFACTURING AND FINISHING	SUNBURST SHUTTERS	200524	3
SILICA (DUST)	REDUCE THE AMOUNT OF LEAD AND SILICA DUST IN THE FOUNDRY, CLEANING ROOM AND MACHINE SHOP	INVESTIGATE WAYS TO GENERATE LESS DUST AND WAYS TO DEAL WITH DUST THAT IS GENERATED. RECYCLE COLLECTED DUST TO A SMELTER.	TUCSON FOUNDRY & MFG, INC	200397	13
SILICA (DUST)	REDUCE THE AMOUNT OF FACTORY SAND THAT CAN BECOME AIRBORNE OR ENTRAINED IN STORMWATER	VACUUM SWEEP THE SERVICES YARD SEMI-WEEKLY	TUCSON FOUNDRY & MFG, INC	200397	14
SILICA DUST	REDUCE THE PRODUCTION OF SILICA DUST	ADD TIGHTER ENCLOSURE AROUND THE SAND RECLAIMATION UNIT; ADD A SAND PIT FOR SAND STORAGE; SAND RECLAIMER & DUST COLLECTOR	TUCSON FOUNDRY & MFG, INC	200397	5
SILICON TETRACHLORIDE	REDUCE PARTICULATE EMISSIONS FROM PHOSPHOR COATING PROCESS	REDESIGN REACTOR VESSEL	DUREL CORPORATION	200518	5
SILICON TEST WAFERS	RF-2000-4-REDUCE THE AMOUNT OF SPENT SILICON WAFERS DISCARDED.	EXTEND THE UTILIZATION OF TEST WAFER AND INCLUDE SCRAP WAFERS AS DUMMY WAFERS BY 1)EXTENDING USAGE PERIOD FOR WAFERS 2) CONDUCT EXPERIMENTS ON APPROPRIATE MATERIALS FOR TEST WAFERS AND DUMMIES 3) REUSE SPENT MATERIAL AS APPROPRIATE.	MOTOROLA SCG (RFI OPERATION)	200727	4
SILK SCREEN CLEANER	ELIMINATE NEED FOR OFF-SITE DISPOSAL OF CHEMICAL USED TO REMOVE LEGEND INKS & SOLDER MASK FROM SCREENS	RECYCLE BATH TO MAXIMUM EXTENT POSSIBLE BY FILTERS AND RE-USE; USE OPTIMUM ON-SITE TREATMENT TO MINIMIZE WASTE SHIPPED OFFSITE FOR FUEL BLENDING	SOUTHWEST CIRCUITS INC.	200343	10
SILVER COMPOUNDS	REDUCE ON-SITE SLAG DISPOSAL AND RESULTANT DISPOSAL OF COPPER & SILVER COMPOUNDS.	REUSE/PROCESS ABOUT 500 TPD (ORIGINAL GOAL OF 3000 TPD WAS REDUCED TO 500 IN 8/95 AMENDMENT) OF STOCKPILED SLAG (40%) BY MODIFYING THE MILL AT A PROJECT COST $1.5 MILLION.	ASARCO RAY COMPLEX/HAYDEN SMELTER & CONCENTRATOR	200046	1
SILVER	ELIMINATE THE WASTE WATER DISCHARGES FROM THE X-RAY TREATMENT SYSTEM.	CONVERT TO ZERO-DISCHARGE; EVAPORATE WASTE WATER DISCHARGED FROM TREATMENT SYSTEM.	DOLPHIN, INCORPORATED	200125	10
SILVER INK	RECLAIM SILVER FLAKE FROM SILVER INK WASTE.	DEVELOP PROCEDURES TO SEPARATE SILVER FLAKE FROM PLASTIC RESIN/ SOLVENT COMPONENTS OF UNPRINTED SILVER INK, TEST THE RECLAIMED MATERIAL TO CERTIFY QUALITY AND REUSE TO MAKE SILVER INK.	DUREL CORPORATION	200518	11
SILVER	ELIMINATE SILVER WASTE STREAM.	INSTALL A PLATING RECOVERY UNIT AND METALLIC EXCHANGE UNIT.	EVERETT CHARLES TECHNOLOGIES STG	200131	14
SILVER COMPOUNDS	ASSURE AIR POLLUTION CONTROL SYSTEM MAINTAINS MAXIMUM EFFICIENCY	DAILY BAGHOUSE MAINTINENCE TO MAXIMIZE EFFICENCY, INCREASED PREVENTIVE MAINTENANCE TO REDUCE POTENTIAL EMISSIONS	GANNON & SCOTT PHOENIX, INC.	200168	5
SILVER	(1) REDUCE THE HAZARDOUS WASTE GENERATION OF ACETIC ACID WITH SILVER THIOSULFATE SOLUTION FROM THE WET PROCESSING OF X-RAYS BY 9/30/1997. THIS WASTE FLUID IS SENT OFF-SITE FOR METAL RECOVERY AND RECYCLING. (2) ELIMINATE ALL USE OF X-RAY PROCESSING CHEMICALS BY 1/2003	(1) INVESTIGATE NEW TECHNOLOGIES AND PROCESSES AND PHASE IN DRY X-RAY PROCESSING. (2) IMPLEMENT A PHOTO OR DRY LASER SYSTEM, THUS DOING AWAY WITH ALL CHEMICAL PROCESSING.	GOOD SAMARITAN REGIONAL CENTER	200547	2
SILVER	ELIMINATE FILM PROCESSING AND TONE PROOFING CHEMICAL USE (SILVER, COMP-RESSED ANHYDROUS AMMONIA)	REPLACE FILM WITH A COMPUTER TO DO PAGE MAKE-UP	R.R.DONNELLEY PRINTING COMPANY	200307	3
SILVER CYANIDE	ELIMINATE THE USE OF CYANIDE SOLUTION USED IN THIS PROCESS (ZR-2000-2).	ELIMINATE THE PROCESS 1) EXPERIMENT WITH REPLACEMENT OR ELIMINATION OF THE PROCESS ON TEST WAFERS 2) DESIGN AND INSTALL ANY EQUIPMENT MODIFICATIONS NEEDED TO REPLACE OR ELIMINATE THE PROCESS 3) CONDUCT EXPERIMENTS ON PRODUCT 4) QUALIFY PRODUCT FOR CUSTOMERS 5) CONVERT TO NEW PROCESS OR SIMPLY ELIMINATE THE CURRENT PROCESS IF FEASIBLE.	SCI,L.L.C (ON SEMICONDUCTOR)	200726	2
SILVER	REMOVE SILVER FROM X-RAY PROCESSING WASTE WATER AND FIXER.	INSTALL AN IN-LINE ELECTROLYTIC SILVER RECOVERY SYSTEM, RESIN BED POLISHERS AND STEEL WOOL CANISTERS AT BOTH PLANTS 2 AND 3 X-RAY OPERATIONS	TALLEY DEFENSE SYSTEMS - PLT 4	200370	11
SILVER	(#TD2)-REDUCE THE AMOUNT OF SILVER CONTAMINATED RINSE WATER THAT RESULTS IN A HAZARDOUS WASTE IN AIM CARTRIDGE MANUFACTURING AREA.	CHEMICALLY CHANGE CLEANUP AND TRAP WATER SO SILVER WILL AGLOMERATE AND CAN BE FILTERED OUT OF RINSE WATER. THIS WILL SIGNIFICANTLY REDUCE HAZARDOUS WASTE GENERATION. WASTE WATER WILL BE NON-HAZARDOUS AND SILVER CAN BE RECYCLED.	TALLEY DEFENSE SYSTEMS - PLT 4	200370	31

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
SILVER	ELIMINATE THE WASTE GENERATED BY TRADITIONAL WET CHEMISTRY X-RAY FILM PROCESSING AT X-RAY MEDICAL STATION.	CHANGE TO DIGITAL RADIOLOGY SINCE THE DIGITAL FILM DOES NOT REQUIRE DEVELOPMENT WITH CHEMICALS, ELIMINATING THE WASTE GENERATED BY TRADITIONAL WET CHEMISTRY X-RAY FILM PROCESSING.	U.S. MARINE CORPS - YUMA AIR STATION	200407	17
SILVER	ELIMINATE THE WASTE GENERATED BY TRADITIONAL WET CHEMISTRY X-RAY FILM PROCESSING AT DENTAL X-RAY STATION.	CHANGE TO DIGITAL RADIOLOGY SINCE THE DIGITAL FILM DOES NOT REQUIRE DEVELOPMENT WITH CHEMICALS, ELIMINATING THE WASTE GENERATED BY TRADITIONAL WET CHEMISTRY X-RAY FILM PROCESSING.	U.S. MARINE CORPS - YUMA AIR STATION	200407	18
SILVER	REDUCE X-RAY PROCESS WASTE GENERATED HOSPITAL AND PHOTO PROCESS WASTE FROM PHOTO SHOP	INCLUDE SILVER WASTE WATER IN RADIOLOGY RECYCLING CONTRACT; USE DIGITAL ELECTRONIC CAMERAS AT THE BASE PHOTO LAB.	U.S.A.F. - LUKE	200409	26
SILVER (PHOTO FIXER)	PHOTO SHOP(S): REDUCE WASTE GENERATION OF SPENT PHOTO DEVELOPMENT FIXER CONTAINING SILVER	INSTALL A SILVER RECOVERY UNIT TO RECYCLE SILVER FROM SPENT PHOTOCHEMICALS; INSTALL ELECTRONIC IMAGING SYSTEM BASEWIDE.	U.S.A.F. - LUKE	200409	8
SILVER	REDUCE WASTE GENERATED BY TRADITIONAL WET CHEMISTRY X-RAY FILM PROCESSING AT B-1 X-RAY.	REPLACE CURRENT PROCESS WITH DIGITAL TECHNOLOGY.	UNIVERSAL PROPULSION COMPANY INC.	200421	18
SLAG	REDUCE FUME DUST AND ADDITIONAL SLAG FROM CASTING PROCESS	INSTALL A MORE EFFICIENT AND IMPROVED MOLDING SYSTEM THUS REDUCING HOLD TIME ON MELTING FURNACES WHEN MOLTEN METAL HAS TIME TO COOL AND FORM SLAG	ME GLOBAL INC.	200079	1
SLUDGE (PLATING)	REDUCE F006 NICKEL PLATING WASTE BY 50% AND THE F006 EVAPORATION SALTS BY 75%	EVALUATE PROCESS CHANGES: IMPROVE PH ADJUSTMENT; INSTALL A COMMON TANK; USE A DISTRIBUTION MANIFOLD TO DIRECT THE SOLUTION BACK TO THE TANKS	ACME ELECTRIC CORP. AEROSPACE DIVISION	200482	6
SLUDGE (COPPER)	REDUCE METAL IN SLUDGE PRODUCED IN THE VIBRATORY FINISHING MACHINE IN THE METAL FINISHING DEPARTMENT.	WILL INVESTIGATE THE POSSIBILITY OF RECYCLING THE SLUDGE IN ORDER TO RECAPTURE THE METAL FINES FOR FURTHER USE.	ARIZONA CASTINGS, INC.	200477	11
SLUDGE - TANK BOTOM	WRITE PROCEDURE FOR REDUCING THE TOXICITY OF TANK BOTTOM WASTE BY STABLIZATION OF SLUDGES	COLLECT SLUDGES AND STABILIZE ON-SITE OR AT DISPOSAL FACILITY	ARIZONA GALVANIZING, INC.	200569	3
SLUDGE - TANK BOTOM	REDUCE VOLUME AND TOXICITY OF SLUDGE BY IMPROVED QA/QC.	REDUCE THE AMOUNT OF REPROCESSING WORK.	ARIZONA GALVANIZING, INC.	200569	4
SLUDGE - TANK BOTTOM	REDUCE THE PREFLUX TANK SLUDGES BY PURCHASING A FILTER PRESS AND INSTALLING IT TO RECIRCULATE THE PREFLUX SOLUTION.	THE TANK BOTTOM SLUDGES CONTAIN 40-75% WATER. THE VOLUME OF SLUDGES FROM THE PREFLUX TANK CAN BE REDUCED BY THE USE OF A FILTER PRESS TO DEWATER AND MINIMIZE THE SLUDGES.	ARIZONA GALVANIZING, INC.	200569	5
SLUDGE - TANK BOTTOM	REDUCE THE AMOUNT OF QUENCH TANK SOLUTION AND CHROME USED IN THE PLANT.	THE QUENCH TANK CAN OPERATE LONGER IF THE SOLUTION IS MIXED USING DEIONIZED WATER INSTEAD OF TAP WATER. THIS WILL PREVENT THE BUILDUP OF MINERALS AND EXTEND THE LIFE OF THE SOLUTION. SINCE THE SOLUTION IS CHANGED LESS, THE PLANT WILL USE LESS CHROME.	ARIZONA GALVANIZING, INC.	200569	6
SLUDGE (PLATING)	REDUCE THE AMOUNT OF BATH CHANGEOUTS BY EXTENDING THE BATH LIFE.	SOURCE REDUCTION OF ANODIZE LINE WASTE BY EXTENDING BATH LIFE THROUGH BETTER MONITORING ANALYTICAL AND FILTRATION.	ASTROPLATE INCORPORATED	200051	5
SLUDGE	REDUCE SLUDGE WASTE CREATED IN THE HOT WATER WASHERS BY 40%. ACTION PLAN (1): INSTALL WATER TREATMENT SYSTEM	INSTALL A WATER TREATMENT SYSTEM TO REDUCE SLUDGE WEIGHT. REUSE WATER/ EVAPORATIVE WATER	AUTOMOTIVE PARTS EXCHANGE	200504	1
SLUDGE	REDUCE SLUDGE BUILD UP THAT NEEDS TO BE DISPOSED OF AS HAZARDOUS WASTE; RESEARCH ALTERNATIVE PRODUCT BY 12/00; TEST BY 6/01; CHANGE PROCESS OVER BY 10/01.	SUBSTITUTE CURRENT ALUMINUM ETCH FOR A LESS SLUDGE FORMING ETCH.	AZ PLATING & ANODIZING CO	200062	16
SLUDGE	REDUCE THE AMOUNT OF CAUSTIC SLUDGE SENT OFFSITE. RESEARCH RE-USE OF CAUSTIC SLUDGE; RESEARCH ALTERNATIVE BY 12/00; TEST METHOD AND EVALUATE RESULTS BY 6/01; IMPLEMENT RE-USE BY 12/01 IF VIABLE.	RE-USE CAUSTIC SLUDGE GENERATED WITHIN THE ANODIZING PROCESS IN A DIFFERENT PROCESS AS A NEUTRALIZATION AGENT.	AZ PLATING & ANODIZING CO	200062	17
SLUDGE - TANK BOTTOM	REDUCE CADMIUM CONTAMINATED SOLVENT AND SLUDGE DISPOSAL FROM THE WEAPONS SHOP.	PURCHASE AND INSTALL A WASTE WATER RECYCLING UNIT (MART-EQ) TO RUN APPROXIMATELY ONCE A MONTH. DURING THE CYCLE, THE CONTAMINATED SOLVENT SOLUTION WOULD BE PUMPED INTO THE RECYCLER, WHERE A FLOCCULENT WOULD BE MIXED INTO THE SOLUTION. THE WATER THEN DRAINED, CHARACTERIZED, AND DISPOSED OF PROPERLY.	AZ AIRFORCE NATIONAL GUARD (TUCSON/PHOENIX)	200696	7T
SLUDGE	REDUCE HAZARDOUS SLUDGE WASTE VOLUME FROM WASTE WATER TREATMENT BY 1% ANNUALLY.	1) INSTALLATION OF AN ION EXCHANGE SYSTEM TO TREAT WASTE WATER FROM PROCESS LINES FOR RECOVERY OF METALS. 2) INVESTIGATE USE OF A MORE EFFICIENT FLOCCULATION CHEMISTRY TO REPLACE FERROUS SULFATE. 3) INVESTIGATE USE OF SLUDGE DRYER TO REDUCE WASTE VOLUME.	BOC EDWARDS KACHINA	200724	2
SLUDGE - BERYLLIUM	FACILITY MACHINE COOLANT FILTRATION SYSTEM: BERYLLIUM OXIDE WASTE IS GENERATED IN MACHINING COLLANT AS A BYPRODUCT OF MACHINING BERRYLLIUM OXIDE CERAMIC PARTS. ELIMINATE THE BERYLLIUM SLUDGE WASTE STREAM THROUGH RECYCLING	INVESTIGATE POSSIBILITY OF RECYCLING BERYLLIUM SLUDGE: (1) COLLECT SAMPLES FOR ANALYSIS, (2) DETERMINE IF CONCENTRATIONS ARE HIGH ENOUGH TO RECYCLE BERYLLIUM (3) DEVELOP A RECOVERY METHODOLOGY FOR BERYLLIUM SLUDGE AT THE ELMORE, OHIO FACILITY, (4) IMPLEMENT THE BERYLLIUM RECYCLING PROGRAM.	BRUSH CERAMIC PRODUCTS	200075	6

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
SLUDGE	REDUCE THE FOO6 SLUDGE BY 60% -INVESTIGATE PURCHASE OF DRYER 12/31/98 (C) - DETERMINE SAVINGS 1/31/99 (C) -PURCHASE AND INSTALL DRYER 3/31/99 (ACTUALLY PURCHASED AND INSTALLED A SLUDGE PRESS WITH AIR BLOW DOWN 3/30/2000) - WILL EVALUATE RESULTS 03/30/2001.	EVALUATE THE PURCHASE OF A SLUDGE DRIER AND MRA TREATMENT. REFER TO 1998 AMENDMENT WHICH OUTLINES ACTION PLAN FOR ACCOMPLISHMENT OF GOAL.	CIRCUIT EXPRESS, INC.	200097	3
SLUDGE	8.2.16#1: SOURCE REDUCTION/STREAM SEGREGATION OF BATCH TREATMENT SOURCES FROM BUILDINGS A & B. REDUCE BATCH TREATMENT SLUDGE BY 15%.	PROCESS MODIFICATION: IDENTIFY AND SEGREGATE INCOMPATIBLE WASTE STREAMS FOR SEPARATE BATCH TREATMENT.	CONTINENTIAL CIRCUITS	200105	21
SLUDGE (PLATING)	REDUCE VOLUME AND WEIGHT OF METAL HYDROXIDE SLUDGE SHIPPED OFF-SITE FOR RECYCLING BY 20%. COPPER, LEAD, CHROMIUM, NICKEL & ZINC HYDROXIDES ARE PRODUCED DURING THE TREATMENT OF WASTE RINSE WATERS FROM THE PLATING DEPARTMENT AND RECYCLED OFF-SITE:	PURCHASE A MORE EFFICIENT FILTER PRESS THAT CAN REMOVE MORE WATER FROM THE METAL HYDROXIDE SLUDGE PRIOR TO OFF-SITE RECYCLING.	CORNING GILBERT INC.-GLENDALE	200157	6
SLUDGE (FeAs04)	REDUCE WASTE (FeAsO4) SLUDGE DISPOSED OF FROM THE WASTE WATER TREATMENT SYSTEM EVAPORATOR, IF POSSIBLE.	SELL WASTE (FeAsO4) GENERATED TO RECYCLERS ***DROPPED***	EPITRONICS CORP	200137	4
SLUDGE (COPPER HYDROXIDE)	REDUCE THE AMOUNT OF COPPER HYDROXIDE SLUDGE GENERATED BY 25%	GENERAL AWARENESS OF THE EXPENSE OF LOSING PROCESS SOLUTION. BETTER OPPERATING PRACTICES	GOULD ELECTRONICS, INC.	200163	11
SLUDGE (MACHINING)	RECYCLE ELECTROCHEMICAL MACHINING (ECM) SLUDGE.	IDENTIFY A POTENTIAL RECLAMATION SITE FOR RECYCLING; SHIP OFFSITE FOR RECLAIMING NICKEL.	HONEYWELL ENGINES (FORMERLY ALLIEDSIGNAL ENGINES)	200144	1
SLUDGE - RINSE WATER	REDUCE WASTE WATER DISCHARGE FLOW BY 5% ANNUALLY OVER 5 YEARS.	INSTALL AN ION EXCHANGE SYSTEM TO TREAT WASTE WATER FROM THE RINSE TANKS AND RETURN HIGH PURITY WATER TO THE PROCESS LINE RINSE TANKS. USE WASTE PROCESS ACIDS TO REGENERATE ION EXCHANGE COLUMNS.	KACHINA AEROSPACE & SEMICONDUCTOR	200203	24
SLUDGE (WASTE WATER)	REDUCE SLUDGE WASTE VOLUME FROM WASTE WATER TREATMENT BY 5% ANNUALLY OVER 2 YEARS.	TRAIN OPERATORS IN BEST MGMT PRACTICES AND TRACK USAGE MONTHLY.	KACHINA TECH SERV & PROCESS (KTSP)	200697	3
SLUDGE (PAINT)	ELIMINATE PAINT SLUDGE AS A HAZARDOUS WASTE.	RETURN SLUDGE TO THE MANUFACTURER FOR RECYCLE/ REUSE.	MI HOME PRODUCTS INC.	200072	4
SLUDGE (WASTE WATER)	REDUCE THE GENERATION OF F006 WASTE FROM THE MICRO ETCH BATCH TREATMENT PROCESS. MICRO ETCH USED IN THE SHADOW PROCESS IS USED TO CLEAN PANELS BEFORE THE PANELS ARE MOVED TO THE NEXT AREA OF PRODUCTION.	EVALUATE A MORE EFFICIENT WAY OF TREATING MICRO ETCH RATHER THAN THE CURRENT BATCH TREATMENT. EVALUATE A FEED AND BLEED SYSTEM TO ROUTE THE MICRO ETCH TO THE ION EXCHANGE SYSTEM BECAUSE THE ION EXCHANGE SYSTEM DOES NOT ADD CHEMISTRY TO TREAT CHEMISTRY.	MICOM CIRCUITS WEST	200245	8
SLUDGE (WASTE WATER)	REDUCE THE GENERATION OF F006 WASTE WATER TREATMENT SLUDGE BY 10%. SLUDGE RESULTS FROM USING SODIUM HYDROXIDE FOR NEUTRALIZATION AND PRECIPITATION.	REPLACE SODIUM HYDROXIDE WITH MAGNESIUM HYDROXIDE AND LIME IN WASTE WATER TREATMENT.	MOSAIC PRINTED CIRCUITS, LLC. (QUALITY PRINTED CIRCUITS)	200513	13
SLUDGE (WASTE WATER)	REDUCE THE F006 HAZARDOUS WASTE SLUDGE GENERATED IN THE WASTE WATER TREATMENT SYSTEM.	REFER TO GOAL #7. THE SOLUTION TO THAT GOAL WILL RESULT IN A F006 SLUDGE REDUCTION.	MOSAIC PRINTED CIRCUITS, LLC. (QUALITY PRINTED CIRCUITS)	200513	8
SLUDGE	REDUCE CHEMICAL USAGE BY 50% IN THE PCRL INDUSTRIAL WASTE WATER TREATMENT PROCESS.	PROCESS MODIFICATION; SWITCH TO BATCH MODE TREATMENT CHEMICALS WHEN AND TO THE EXTENT NEEDED; INSTALL PIPING, HOLDING TANKS AND OTHER INFRASTRUCTURE TO RECLAIM WASTE WATER FOR USE IN FACILITY COOLING TOWERS.	MOTOROLA-TEMPE	200259	18
SLUDGE (WASTE WATER)	WASTEWATER PRE TREATMENT PLANT (9.1): REDUCE WASTE WATER PRETREATMENT SLUDGE DISPOSED IN LANDFILL BY 90%	RECLAIM GALLIUM FROM THE SLUDGE CAKE. SEND SLUDGE TO A METAL RECLAIMATION FACILITY TO RECOVER GALLIUM CONTENT	MOTOROLA-TEMPE	200259	26
SLUDGE	REDUCE SLUDGE SENT OFFSITE FOR DISPOSAL	USE FILTER PRESS TO REMOVE SLUDGE AS IS FORMS AND DEWET SLUDGE TO BE HAULED FOR DISPOSAL	PETE'S CUSTOM POLISHING & PLATING	200528	1
SLUDGE - RINSE WATER	REDUCE WATER USAGE IN METAL FINISHING OPERATIONS. 1. ESTABLISH BASELINE DATA BY AREAS; ELECTROLESS COPPER, BLACK OXIDE, PATTERN PLATE & GOLD PLATE. 2. INSTALL FLOW RESTRICTORS & DRAG OUT RINSES (STATIC). 3. TEST CONDUCTIVITY CONTROLLERS ON SMALL SCALE. 4. INSTALL CONDUCTIVITY CONTROLLERS ON SELECTED RINSES. 5. EVALUATE & MODIFY SPRAY RINSES.	BY INSTALLING FLOW RESTRICTORS & STATIC DRAG OUT RINSES 2. BY INSTALLING CONDUCTIVITY CONTROLLERS AND BY EVALUATING EXISTING SPRAY RINSES.	QUICK TURN CIRCUITS, INC.	200596	1
SLUDGE	REDUCE SLUDGE GENERATION BY 50% IN WASTE TREATMENT BLDG C.	BY IMPLEMENTING PROCESS CHANGES IN BATCH TREATMENT TO REDUCE CHEMISTRY USAGE AND SLUDGE GENERATIONS.	SANMINA - SCI	200669	69
SLUDGE	REDUCE SLUDGE GENERATION BY 50% IN BLDG G WASTE TREATMENT.	BY IMPLEMENTING PROCESS CHANGES IN BATCH TREATMENT WHICH REDUCE CHEMISTRY USAGE AND SLUDGE.	SANMINA - SCI	200669	72
SLUDGE	REDUCE THE AMOUNT OF SLUDGE IN STORAGE TANKS AND INCREASE LIFE EXPECTANCY OF TANKS	COAT INTERIOR OF TANKS WITH A PROTECTIVE "NON-CLING" SURFACE	SFPP, L.P (PHOENIX)	200337	2

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
SLUDGE (COPPER)	REDUCE F006 SLUDGE FROM WASTE WATER TREATMENT PROCESS TO UNDER 2000 LBS/MO.; AND SODIUM HYDROXIDE BY 70%. SLUDGE SENT TO CYPRESS MIAMI TO RECOVER COPPER	CHANGE THE WASTE WATER TREATMENT CHEMISTRY (REPLACED: 1. USE OF CAUSTIC SODA WITH MAGNESIUM HYDROXIDE 2.FERRIC CHLORIDE WITH FERRIC SULFATE	SOUTHWEST CIRCUITS INC.	200343	6
SLUDGE (OIL, HVY METALS)	REDUCE THE API SEPARATOR SLUDGE VOLUME (INCLUDES HEAVY METALS/ WATER/ OIL) BY DEWATERING AND DE-OILING THE SLUDGE.	INSTALL FILTER PRESS, CENTRIFUGE, OR BELT PRESS TO REDUCE VOLUME	SUNBELT REFINING-COOLIDGE AZ	200365	4
SLUDGE	WASTE WATER SLUDGE (1): REDUCE VOLUME OF WASTE WATER SLUDGE.	IDENTIFY CURRENT METHODS USED AND ECONOMIC FEASIBILITY, DEVELOP PROPOSAL FOR MANAGEMENT, ORDER AND INSTALL	TALLEY DEFENSE SYSTEMS - PLT 4	200370	28
SLUDGE	REDUCE THE QUANTITY OF WASTE SLUDGE GENERATED.	INSTALL A SLUDGE DRYER.	TED LEVINE DRUM CO	200376	7
SLUDGE WASTE WATER TREATMENT	REDUCE THE QUANTITY OF CONTAMINATED PROCESS RINSE WATERS BY FILTERING AND RECYCLING THE RINSE WATERS BACK INTO THE PROCESS.	DESIGN AND INSTALL A REVERSE OSMOSIS BASED FILTRATION SYSTEM WHICH WILL CLEAN THE RINSE WATER FOR REUSE BACK INTO THE PROCESS PRIOR TO DISCHARGE TO A POTW.	THE BOEING COMPANY	200238	27
SLUDGE (PLATING)	CHANGE WASTE TREATMENT PROCESSES AND CHEMICAL SOLUTIONS TO REPLACE THE AMOUNT OF F006 SLUDGE GENERATED.	CHANGE TREATMENT CHEMICALS.	TREFFERS PRECISION, INC.	200391	6
SLUDGE (PLATING)	REDUCE THE VOLUME OF F006 SLUDGE SHIPPED OFF FOR DISPOSAL.	INSTALL A SLUDGE DRYER TO REMOVE THE 15%-20% MOISTURE CONTENT.	TREFFERS PRECISION, INC.	200391	7
SLUDGE	3.3d: REDUCE THE QUANTITY OF HAZARDOUS WASTE GENERATED AT PROPELLANT PLANT NO. 3-CONTINUED.(THIS IS STILL PART OF OVERALL GOAL #8 AND THIS GOAL WILL BE MEASURED AS PART OF GOAL #8.)	3.3d GOAL C: TREAT SLUDGE FROM PROPELLANT PLANT 3 CLEANUP IN THE THERMAL TREATMENT UNIT. ACTION PLAN (1) ANALYZE THE STACK EMISSIONS FROM TREATING THIS WASTE BY JULY 31, 1994 (CLOSED 1995); ACTION PLAN (2) APPLY FOR OPERATING PERMIT MODIFICATIONS TO ALLOW BURNING OF THE SLUDGE IN THE THERMAL TREATMENT UNIT BY AUG. 31, 1994 (CLOSED 1995)	UNIVERSAL PROPULSION COMPANY INC.	200421	10
SLUDGE (WASTE WATER)	REDUCE SOLIDS LOADING OF WASTE WATER TREATMENT SYSTEM , INCLUDE WASTE STREAM SEGREGATION AND ALKALINE CLEANER PREFILTRATION (8.14)	UPGRADE/EXPAND WASTEWATER TREATMENT SYSTEM INCLUDING WASTE STREAM SEGREGATION AND ALKALINE CLEANER PREFILTRATION.	WEISER LOCK COMPANY	200435	7
SLUDGE-MANGANESE DIOXIDE	ELIMINATE THE MANGANESE DIOXIDE BY-PRODUCT SLUDGE IN THE POTASSIUM PERMANGANATE BATH.	PROCESS CHANGE FROM CHEMICAL REGENERATION TO ELECTROLYTIC REGENERATION FOR POTASSIUM PERMANGANATE BATH	AVANTI CIRCUITS	200054	2
SLURRY	MINIMIZE ALUMINUM OXIDE AND CONDITIONING AGENT USE IN BACKLAP PROCESS	REPLACE BACK-LAP WITH BACKGRIND PROCESS.	MOTOROLA SCG	200253	16
SLURRY (MP1)	REUSE AJ10K (MP1 SLURRY) FROM MIRROR POLISHING PROCESS INTO NEW SPEEDFAM - IPEC (SF-1) MACHINES.	BUILD A SYSTEM TO TRANSFER USED MP1 SLURRY FROM THE MIRROR POLISH TOOLS TO THE EM2 SLURRY SKID FOR USE ON THE SF-1 TOOL PROCESS.	SUMCO SOUTHWEST CORP	200628	6
SLURRY	REDUCE THE DE MINIMIS AMOUNT OF SODIUM AZIDE WHICH IS LOST DURING REPACKAGING TO 50% OF BASELINE.	DESIGN AND INSTALL AN IMPROVED SEAL BETWEEN VENDORS BULK BAG AND THE TOTE BINS; HAVE VENDOR USE TRW'S REUSABLE TOTE BINS TO SHIP IN.	TRW VEHICLE SAFETY SYSTEMS,MESA II	200369	4
SLURRY	REDUCE THE AMOUNT OF SCRAP GENERANT GRAIN COATING SLURRY TO 50% OF THE BASELINE.	INSTALL SPRAY EQUIPMENT TO COAT GRAINS WITH THE COMBUSTION ENHANCER WHICH REPLACES THE CURRENT GRAIN DIPPING METHOD	TRW VEHICLE SAFETY SYSTEMS,MESA II	200369	5
SODIUM ISOPROPYL	(A) REDUCE SPILLAGE OF SODIUM ISOPROPYL AND IMPROVE HOUSEKEEPING.	DEVELOP AND IMPLEMENT PLAN TO CLEAN UP AND RESTORE HOUSEKEEPING.	ALKEMIN, S. DE R.L. DE C.V.	200211	1
SODIUM HYPOCHLORITE	ELIMINATE THE USE OF CHLORINE GAS IN COOLING WATER.	CHLORINE GAS WILL BE REPLACED WITH TOWERBROM 960 IN UNIT 3 & 4.	APS CHOLLA POWER PLANT	200591	1
SODIUM DISCHLOROISOCYANURATE	ELIMINATE THE USE OF CHLORINE GAS IN COOLING WATER.	CHLORINE GAS WILL BE REPLACED WITH TOWERBROM 960 IN UNIT 3 & 4.	APS CHOLLA POWER PLANT	200591	1
SODIUM HYDROXIDE	REDUCE AMOUNT OF SODIUM HYDROXIDE IN PROCESS; RESEARCH EFFECT OF LOWER CONCENTRATIONS ON FINAL PRODUCT QUALITY BY 2/01; IMPLEMENT FINAL OPPORTUNITY BY 7/01.	RUN ALUMINUM ETCH BATH AT A LOWER CONCENTRATION.	AZ PLATING & ANODIZING CO	200062	18
SODIUM CYANIDE	ELIMINATE THE CYANIDE BASED BONDING PRODUCT.	SUBSTITUTE WITH A NON-CYANIDE BASED ALUMINUM PLATING BONDING AGENT.	AZ PLATING & ANODIZING CO	200062	7
SODIUM BISULFATE	ELIMINATE CURRENT CLEANERS USED IN THE ELECTROPLATING PROCESS 1) IDENTIFY SOURCES OF ALTERNATIVES 12/1/1998 2) OBTAIN SAMPLES AND EVALUATE 2/1/1998 3) SELECT AND IMPLEMENT 6/1/1999.	REPLACE CURRENT CLEANERS WITH ALTERNATIVE NO DUMP PRODUCTS	AZ PLATING & ANODIZING CO	200062	8
SODIUM HYDROXIDE	ELIMINATE CURRENT CLEANERS USED IN THE ELECTROPLATING PROCESS 1) IDENTIFY SOURCES OF ALTERNATIVES 12/1/1998 2) OBTAIN SAMPLES AND EVALUATE 2/1/1998 3) SELECT AND IMPLEMENT 6/1/1999.	REPLACE CURRENT CLEANERS WITH ALTERNATIVE NO DUMP PRODUCTS	AZ PLATING & ANODIZING CO	200062	8

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
SODIUM HYDROXIDE	ELIMINATE USE OF SODIUM HYDROXIDE AND REDUCE USE OF SULFURIC ACID USED TO BACK WASH RESIN BEDS.	REPLACE DOUBLE ION EXCHANGE RESIN SYSTEM WITH REVERSE OSMOSIS WATER PURIFICATION SYSTEM.	BELDEN COMMUNICATIONS DIVISION	200052	3
SODIUM HYDROSULFIDE	CONSTRUCT 2 IMPERVIOUS SECONDARY CONTAINMENT STRUCTURES AT FUEL STATIONS AND CHEMICAL STORAGE TANKS BY 1999.	CONSTRUCTION OF CONCRETE, WATER STOPPED, IMPERVIOUS SECONDARY CONTAINMENT STRUCTURES. THE CONSTRUCTION OF THREE CONCRETE SECONDARY CONTAINMENT STRUCTURES WAS INITIATED IN CALENDAR YEAR 1998 AND COMPLETED EARLY IN CALENDAR YEAR 1999. THE THREE STRUCTURES WERE AS FOLLOWS: 1. SODIUM HYDROSULFIDE TANK AT MILL. 2. SODIUM CYANIDE TANKS AT MILL. 3. SULFURIC ACID TANK AT POWERHOUSE COOLING TOWER.	BHP COPPER, SAN MANUEL SMELTING AND REFINING	200226	14
SODIUM CYANIDE	REDUCE THE TOXICITY OF REAGENTS USED IN THE MILLING AND CONCENTRATING PROCESS	PERFORM RESEARCH IN ORDER TO IDENTIFY ALTERNATIVE PRODUCTS/REAGENTS	BHP COPPER, SAN MANUEL SMELTING AND REFINING	200226	27
SODIUM HYDROXIDE	ELIMINATE THE USE OF CHEMICALS THAT CAN BE REPLACED WITH EXISTING PRODUCTS, OR CAN BE ELIMINATED COMPLETELY.	SHIP OFF-SITE UN-NEEDED OR UNTREATABLE CHEMICALS, USE UP REMAINDER OF CHEMICALS IN STOCK AND DO NOT RE-ORDER CHEMICALS. TREAT REMAINDER ON SITE.	CHEM RESEARCH CO	200085	17
SODIUM HYDROXIDE	REDUCE THE AMOUNT OF 50% SODIUM HYDROXIDE USED IN THE WASTE TREATMENT SYSTEM.	BY EXTENDING THE LIFE OF THE NITRIC/HYDROFLUORIC BATHS, THERE WILL BE LESS ACID WASTE TO BE NEUTRALIZED IN WASTE TREATMENT.	CHEM RESEARCH CO	200085	20
SODIUM METABISULFITE	ELIMINATE THE USE OF SODIUM METABISULFITE POWDER IN WASTE TREATMENT TO REDUCE EMPLOYEE EXPOSURE AND RISK, AND TO ENSURE MORE THOROUGH REDUCTION OF HEXAVALENT CHROME.	REPLACE SODIUM METABISULFITE POWDER WITH 38% SODIUM SULFIDE DELIVERED BY MINI-BULK TANKER TRUCK.	CHEM RESEARCH CO	200085	28
SODIUM HYDROXIDE	REDUCE THE USE OF NAOH & H2SO4 BY 100% IN WASTE TREATMENT	COMBINE PROCESS RINSES	CIRCUIT EXPRESS, INC.	200097	2
SODIUM HYPOCHLORITE	ELIMINATE PROCESS OF REPACKAGING SODIUM HYPOCHLORITE 12.5%.	ELIMINATE THE PROCESS OF REPACKAGING	COLUMBUS CHEMICAL INDUSTRIES (formerly CHEMIX)	200594	1
SODIUM CYANIDE	INCREASE THE LIFE OF A 220 GAL ALLOY PLATING BATH BY AT LEAST TWICE TO REDUCE THE AMOUNT THAT NEEDS TO BE DUMPED. INVESTIGATE CHEMICALS TO ALSO HELP INCREASE THE LIFE OF THE BATH. LOOK FOR BATH MADE BY DIFFERENT MANUFACTURER.	A. INSTALL A WEIR SYSTEM TO FORCE FILTRATION THROUGH A FILTRATION SYSTEM (12/1995); B. INSTALL A ILTERING SYSTEM TO HELP PURIFY THE PLATING BATH TO REMOVE CONTAMINANTS THAT MAY BE CAUSING THE BATH TO FAIL (JUNE 1996) C. SEARCH FOR CHEMICALS TO EXTEND BATH LIFE (1/1997).	CORNING GILBERT INC.-GLENDALE	200157	4
SODIUM HYDROSULFITE	REDUCE THE AMOUNT OF SODIUM HYDROSULFATE IN THE WASTE WATER TREATMENT SYSTEM.	ANALYIZE NEW CHEMISTRIES; INVESTIGATE ALTERNATIVES. FIND ALTERNATIVE REPLACEMENT FOR SODIUM HYDROSULFATE DO BENCH MARK TESTING.	DYNACO ACQUISITION CORP.	200129	9
SODIUM CYANIDE	REUSE AS PROCESS BATH MAKE-UP 5% OF THE CYANIDE RINSES GENERATED BY THE TREATLINES.	REUSE OF PROCESS RINSE WATER AS BATH MAKE-UP.	GOULD ELECTRONICS, INC.	200163	14
SODIUM CYANIDE	REDUCE THE AMOUNT OF R.O. WATER USED FOR FOIL RINSING IN THE BRASS PLATING PROCESS BY 20%.	RECONFIGURE BRASS PLATING RINSES TO MAXIMIZE WATER USAGE.	GOULD ELECTRONICS, INC.	200163	19
SODIUM HYDROXIDE	REDUCE QUANTITY OF WASTE STREAM #10, LIQUID PHOTO CHEMICALS BY 50%.	REVIEW TYPES OF WASTE IN STREAM #10. SEGREGATE D001 FROM NON-HAZARDOUS WASTE AT THE SOURCE. ON-SITE NEUTRALIZATION OF NON-HAZARDOUS, AQUEOUS, HIGH pH, WASTE IN WASTE WATER TREATMENT PLANT.	IBM CORPORATION	200194	9
SODIUM HYDROXIDE	REDUCE CHEMICAL MAKEUP (ADDITIONS) TO THE ELECTRO-CLEANER, SOAK AND ETCH TANKS	INSTALL FILTRATION SYSTEM ON ALL CLEANER TANKS (ZINC, ANODIZE/ CHROMATE, TIN/NICKEL PROCESS LINES)	METCO METAL FINISHING - PHOENIX	200451	1
SODIUM HYDROXIDE ETCH	REDUCE SODIUM HYDROXIDE AND SULFURIC ACID MAKEUP BY PREVENTING ALUMINUM CONTAMINATION IN THE ETCH, DESMUTT AND ANODIZE TANKS	SWITCHING ANODIZE SPLINES AND TIERS TO TITANIUM FROM ALUMINUM RACKS **DROPPED** INCONCLUSIVE	METCO METAL FINISHING - PHOENIX	200451	6
SODIUM HYDROXIDE (10%)	REDUCE THE AMOUNT OF SODIUM HYDROXIDE MAKE UP AND WASTE GENERATION IN THE TIN PLATING PROCESS	ADD A DEAD RINSE TANK (10% SODIUM HYDROXIDE) AFTER THE TIN PLATING TANK TO REPLACE THE ELECTROCLEANER ON THE LINE	METCO METAL FINISHING - PHOENIX	200451	7
SODIUM HYDROXIDE	PHOTORESIST STRIP (PLASMA ASHING): REDUCE THE MOUNT OF PHOTORESIST REMOVAL SOLUTION (BATHS) CONTAINING SULFURIC PEROXIDE, SULFURIC ACID AND HYDROGEN PEROXIDE	EVALUATE THE FEASIBILITY OF REPLACING THE PHOTORESIST REMOVAL BATHS BY OXIDIZING THE WAFER SURFACE WITH IN AN RF-INDUCED PLASMA (PLASMA ASHING)	MICROCHIP TECHNOLOGY-CHANDLER	200247	10
SODIUM HYDROXIDE	ELIMINATE THE USE OF SODIUM HYDROXIDE TO RAISE THE pH TO 9 IN THE WASTE WATER TREATMENT PROCESS TO TREAT METALS FROM CIRCUIT BOARD MANUFACTURING	REPLACED SODIUM HYDROXIDE (WHICH WAS MANAGED AS A D002 HAZARDOUS WASTE) WITH MAGNESIUM HYDROXIDE WHICH IS LESS HAZARDOUS	MOSAIC PRINTED CIRCUITS, LLC. (QUALITY PRINTED CIRCUITS)	200513	2
SODIUM HYDROXIDE	REDUCE USE OF SULFURIC ACID, HYDROCHLORIC ACID AND SODIUM HYDROXIDE	REDUCE USE OF GROUNDWATER THROUGHOUT THE PLANT WHICH REQUIRES GREATER FREQUENCY IN REGENERATING RESINS FOR DE-IONIZED WATER	MOTOROLA SCG	200253	21

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
SODIUM HYDROXIDE	REDUCE CHEMICAL USAGE BY 25% IN THE WTS INDUSTRIAL WASTE WATER TREATMENT PROCESS. WASTE WATER INCLUDES NAOH, H2SO4, FECL3 AND SLUDGE.	SEGREGATION OF WASTE WATER FLOWS; EVALUATE AND IMPLEMENT SUBSTITUTE CHEMICALS TO REDUCE USAGE AND INCREASE EFFLUENT QUALITY. RESULTS: IN 1995 WTS CHEMICAL USAGE WAS 67 POUNDS PER WAFER PROCESSED AND IN 2000 THE WTS CHEMICAL USAGE WAS 7.8 POUNDS PER WAFER PROCESSED. PRODUCTION INCREASED 700% YET THE CHEMICALS USED TO TREAT THE WASTE WATER EFFLUENT WERE REDUCED BY 10%.	MOTOROLA-TEMPE	200259	19
SODIUM HYDROXIDE	INCREASE THE COPPER REMOVAL EFFICIENCY OF THE WASTE WATER TREATMENT CLARIFIER AND REDUCE COPPER SENT TO SEWER	USE MAGNESIUM HYDROXIDE AS A COAGULATION ADDITIVE IN THE WASTE WATER TREATMENT OPERATION TO INCREASE COPPER REMOVAL	NELCO TECHNOLOGY, INC.	200265	5
SODIUM HYDROXIDE	ELIMINATE THE USE OF SODIUM HYDROXIDE TO CLEAN 5 GALLON TRANSFER TANKS	ELIMINATE THE USE OF TRANSFER TANKS BY CONVERTING TO BAG-IN-BOX	PEPSI BOTTLING GROUP	200499	5
SODIUM FLUORIDE	REDUCE HAZARDOUS WASTE VOLUME ASSOCIATED WITH CHROMATE CONVERSION BY 50%	INSTALL COUNTERFLOW RINSES; INSTALL SEPARATE SPRAY RINSE; INSTALL HYDROXIDE PRECIPITATION AND DE-WATERING SYSTEM	PRECISION PLATING, INC.	200531	2
SODIUM DICHROMATE	REDUCE WASTE SODIUM DICHROMATE.	INSTITUTE NEW PROCEDURES THAT WILL REDUCE THE DRAG-OUT OF SODIUM DICHROMATE.	PRESTO CASTING COMPANY	200299	2
SODIUM DICHROMATE	ELIMINATE UNNECESSARY CHROME PLATING OF PARTS.	CHANGE INTERNAL PROCESSING REQUIREMENTS FROM CUSTOMERS SUCH THAT THOSE PARTS THAT DO NOT NEED PLATING ARE NOT PLATED.	PRESTO CASTING COMPANY	200299	3
SODIUM HYDROXIDE	REDUCE THE AMOUNT OF SODIUM HYDROXIDE OR SULFURIC ACID.	COMBINE THE CHROMIUM WASTE WATER, ACID RINSE WATER, AND THE AIR SCRUBBER WATER TO REDUCE THE AMOUNT OF SODIUM HYDROXIDE OR SULFURIC ACID NEEDED TO ADJUST THE WASTE WATER PH.	PRESTO CASTING COMPANY	200299	5
SODIUM HYDROXIDE	REDUCE ACID FUME SCRUBBER WASTE WATER EFFLUENT BY 20% BY 12/31/93 AND 40% (184,000 GAL/YR) BY 12/31/94 ***INACTIVE FACILITY***	ALTERNATE CHEMICAL TREATMENT METHOD AND REDUCE FLOW RATE DURING COLD WEATHER; CHANGE FROM STRICTLY CONTINUOUS FLOW TO REDUCED FLOW WITH PERIODIC DRAIN/REFILL MODE OF SCRUBBER OPERATION TREATMENT SYSTEM.	ROGERS CORP-PDD (MESA)	200324	2
SODIUM HYDROXIDE	REDUCE REGENERATION CHEMISTRIES BY 70% IN WWTB.	BY INSTALLING A REVERSE OSMOSIS UNIT AND FEEDING HIGHER QUALITY WATER TO THE DEIONIZATION UNITS TO DECREASE THE NUMBER OF REGENERATIONS.	SANMINA - SCI	200669	38
SODIUM HYDROXIDE	REDUCE REGENERATION PH ADJUST CHEMISTRIES BY 60% IN WWTB.	BY REGENERATING THE ANION AND CATION COLUMNS SIMULTANEOUSLY.	SANMINA - SCI	200669	40
SODIUM DIMETHYL-DITHIO-CARBAMATE	ELIMINATE THE USE OF SODIUM DIMETHYL-DITHIO-CARBAMATE IN WASTE TREATMENT, BLDG A, AND DECREASE SLUDGE GENERATIONS BY 80%.	BY CHANGING TREATMENT CHEMISTRY FROM DTC TO IRON CHLORIDE.	SANMINA - SCI	200669	66
SODIUM HYDROXIDE	REDUCE THE QUANTITY OF SODIUM HYDROXIDE AND PHOSPHORIC ACID USED TO CLEAN THE BARREL LINE ** GOAL DROPPED**	EVALUATE THE EFFECTIVENESS OF NEW CLEANER; INSTALL CHEMICAL ALLOCATION SYSTEM	SCHREIBER FOODS, INC.	200529	1
SODIUM HYDROXIDE	REDUCE THE AMOUNT OF CHEMICALS USED IN THE RECEIVING AREA PIPE CLEANING SYSTEM: CLEAN IN PLACE (CIP)	REPLACE THE CAUSTIC WASH SOLUTION WITH AN ENZYMATIC CLEANER	SCHREIBER FOODS, INC.	200529	11
SODIUM HYDROXIDE	REDUCE CHEMICAL USAGE BY HAVING MORE CONSISTENT CHEMICAL USAGE.	AUTOMATED CONTROL OF VOLUME USING A PLC	SCHREIBER FOODS, INC.	200529	12
SODIUM HYDROXIDE	REDUCE POTENTIAL FOR ACCIDENT IN CHEMICAL RECEIVING AREA.	INSTITUTE A RECEIVING AREA SOP, REDUCE THE NUMBER OF DELIVERING COMPANIES, AND TRAIN EMPLOYEES	SCHREIBER FOODS, INC.	200529	13
SODIUM HYPOCHLORITE	REDUCE POTENTIAL FOR ACCIDENT IN CHEMICAL RECEIVING AREA.	INSTITUTE A RECEIVING AREA SOP, REDUCE THE NUMBER OF DELIVERING COMPANIES, AND TRAIN EMPLOYEES	SCHREIBER FOODS, INC.	200529	13
SODIUM HYPOCHLORITE	REDUCE INVENTORY OF SODIUM HYPOCHLORITE USED FOR PROCESS CLEANING	INSTALL NEW TRANSFER LINE FROM SOUTH PLANT TO NORTH PLANT AND REMOVE TANK IN NORTH PLANT	SCHREIBER FOODS, INC.	200529	14
SODIUM HYDROXIDE	REDUCE THE AMOUNT OF SPILLS AND CHEMICALS USED IN TANK THAT STORES PHOSPHORIC ACID AND NAOH	LOWER CHEMCIAL CONCENTRATION; LOWER CLEANING TEMPERATURE; DESIGN BETTER TANK HARDWARE; TRAIN STAFF	SCHREIBER FOODS, INC.	200529	2
SODIUM HYDROXIDE	REDUCE THE USE OF CHEMICAL INHIBITORS AND BIOCIDES IN THE WATER TOWERS.	REDUCE USAGE OF BIOCIDE AND CORROSION INHIBITING SOLUTIONS THROUGHT ADDITION OF COMPUTER CONTROLS ON THE PLANT COOLING TOWERS. ALSO REDUCE UNDER-ADDITIONS AND EXCESS WASTE WATER FROM BLOW DOWN OF TOWERS.	SCHREIBER FOODS, INC.	200529	20
SODIUM HYPOCHLORITE	REDUCE CHEMICAL USAGE FOR THE REVERSE OSMOSIS SYSTEM AND REDUCE THE AMOUNT OF WATER LOST	RESEARCH TOLERANCES OF EXISTING PROCESS EQUIPMENT UTILITY NEEDS.	SCHREIBER FOODS, INC.	200529	6
SODIUM HYDROXIDE	REDUCE CHEMICAL USAGE FOR THE REVERSE OSMOSIS SYSTEM AND REDUCE THE AMOUNT OF WATER LOST	RESEARCH TOLERANCES OF EXISTING PROCESS EQUIPMENT UTILITY NEEDS.	SCHREIBER FOODS, INC.	200529	6
SODIUM HYDROXIDE	REDUCE THE AMOUNT OF CHEMICALS AND WATER USED TO CLEAN PIPING EXTERIORS AND INTERIORS.	REMOVAL OF PIPING THRU PROCESS RE-ENGINEERING AND EFFICIENT DESIGN	SCHREIBER FOODS, INC.	200529	9

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
SODIUM HYDROXIDE	REDUCE RAW WATER REQUIREMENTS BY REUSING DI RINSE WATER AS FEED WATER TO SITE COOLING TOWERS AND SCRUBBERS (F-2000-1-NAOH).	INSTALL A CHEMICAL FEED CONTROL SYSTEM 1) EVALUATE POSSIBLE DESIGN OPTIONS AND VENDORS 2) DESIGN CONTROL SYSTEM 3) INSTALL EQUIPMENT AND MODIFICATIONS NEEDED 4) BEGIN AUTOMATIC RESIN REGENERATION.	SCI,L.L.C (ON SEMICONDUCTOR)	200726	7
SODIUM HYDROXIDE	REDUCE THE GENERATION OF PROBOND 80B WASTE	INVESTIGATE POTENTIAL FOR INSTALLATION OF BETTER RINSING. PURCHASE NECESSARY PLUMBING, TANKS, ETC. INSTALL ADDITIONAL RINSES.	SOUTHBAY CIRCUITS, INC.	200586	9
SODIUM HYDROXIDE	REDUCE F006 SLUDGE FROM WASTE WATER TREATMENT PROCESS TO UNDER 2000 LBS/MO.; AND SODIUM HYDROXIDE BY 70%. SLUDGE SENT TO CYPRESS MIAMI TO RECOVER COPPER	CHANGE THE WASTE WATER TREATMENT CHEMISTRY (REPLACED: 1. USE OF CAUSTIC SODA WITH MAGNESIUM HYDROXIDE 2.FERRIC CHLORIDE WITH FERRIC SULFATE	SOUTHWEST CIRCUITS INC.	200343	6
SODIUM HYDROXIDE	PROVIDE FOR SPILL CONTAINMENT IN CHEMICAL STORAGE AREA.	PURCHASE 30' POLYZORB SPILL DIKES; PLACE AROUND CHEMICAL BARRIERS; INSTALL A 24"X24" SPILLSTOPPER MAT; CONSTRUCT A CONCRETE DIKE.	STERIS CORPORATION	200328	1
SODIUM BISULFATE	REDUCE THE AMOUNT OF NEUTRALIZATION NECESSARY AT THE SAME TIME AS INCREASING THE NUMBER OF CLUBS PRODUCED PER POUND OF CHEMICAL.	CHEMICALLY ENHANCED POLISHING; TREAT WITH LIME PRIOR TO DISCHARGE.	STURM RUGER AND COMPANY, INC.	200362	12
SODIUM BISULFATE	REDUCE AMOUNT OF ACID FLORIDE SALT USED IN CHEMICALLY ENHANCED VIBRATORY POLISHING	MAKE OPERATIONAL CHANGES FROM STARTUP, 20% REDUCTION IN 1996 CONTINUE REDUCTION THRU 98	STURM RUGER AND COMPANY, INC.	200362	14
SODIUM HYDROXIDE	ELIMINATE THE NEED FOR THE KOLENE CAUSTIC BATH OPERATION UTILIZING MOLTEN SODIUM HYDROXIDE FOR TREATMENT OF STEEL PARTS	IDENTIFY PROCESS CHANGES TO ELIMINATE THE NEED FOR THIS PROCESS **GOAL DROPPED**	STURM RUGER AND COMPANY, INC.	200362	2
SODIUM HYDROXIDE	RECYCLE OR REDUCE THE USE OF ACIDS AND BASES GENERATED IN THE METAL MILLING, BLUING AND CLEANING OPERATIONS	BOTH ACIDS AND BASES WERE GENERATED FROM SEPERATE SO WE USED THEM TO PERFORM ELEMENTARY NEUTRALIZATION ON-SITE	STURM RUGER AND COMPANY, INC.	200362	5
SODIUM AZIDE	SODIUM AZIDE: SEGREGATE HAZARDOUS, P-LISTED DEBRIS FROM NON-HAZARDOUS NON-P LISTED DEBRIS ** GOAL DROPPED **	DENTIFY THE DEBRIS; IDEN-TIFY THE AREAS GENERATING P-LISTED DEBRIS; SET UP COLLECTION CONTAINERS FOR SEGREGATION; IMPLEMENT PRO-CEDURES; EVALUATE	TALLEY DEFENSE SYSTEMS - PLT 4	200370	2
SODIUM CHROMATE	ELIMINATE THE USE OF METHYLENE CHLORIDE AS A DRUM LABEL REMOVER.	EVALUATE AN ALTERNATIVE LABEL REMOVER OR A TYPE OF MECHANCIAL REMOVAL PROCESS	TED LEVINE DRUM CO	200376	2
SODIUM HYDROSULFIDE	(8F) REDUCE THE EMISSIONS OF SODIUM HYDROSULFIDE FROM STORAGE TANK.	DETERMINE THE BEST WAY TO PIPE EMISSIONS TO EXISTING SCRUBBER TO REPLACE DIESEL FUEL USED AS A BLANKET ON THE TANK.	TESSENDERLO KERLEY, INC. (PHX)	200210	6
SODIUM HYDROSULFIDE	(8H) PREVENT LOSSES OF AMMONIUM SULFIDE AND SODIUM HYDROSULFIDE FROM THE HOSES USED ON TRUCKS.	WRITE UP PROCEDURE.	TESSENDERLO KERLEY, INC. (PHX)	200210	8
SODIUM AZIDE	REDUCE THE AMOUNT OF SCRAP GAS GENERANT TO FIVE PERCENT OF THE TOTAL AMOUNT OF GAS GENERANT PRODUCED FACILITY WIDE. NOTE: GAS GENERANT CONSISTS OF A FUEL COMPONENT (SODIUM AZIDE) AND AN OXIDIZER COMPONENT (CUPRIC CHLORIDE) WHICH IS PRESSED INTO TABLETS.		TRW VEHICLE SAFETY SYSTEMS,MESA I	200395	1
SODIUM AZIDE	REDUCE THE AMOUNT OF SODIUM AZIDE BASED SCRAP GAS GENERANT TO 5% OF TOTAL PRODUCED.	IDENTIFY QA PROCEDURES; IMPLEMENT EXPANDED SCRAP MEASUREMENT AND REPORTING; REBLEND BULK GENERANT; USE BARREL ROLLER TO BREAK UP LUMPS; MINIMIZE GRAIN SPLITTING.	TRW VEHICLE SAFETY SYSTEMS,MESA II	200369	1
SODIUM AZIDE	(GOAL 1, PROCESS AREA 1) REDUCE SODIUM AZIDE USAGE BY 73%.	REDUCE USAGE BY DEVELOPING VEHICLE INFLATORS BASED ON ALTERNATIVE GAS GENERANT MATERIALS.	TRW VEHICLE SAFETY SYSTEMS,MESA I	200395	10
SODIUM AZIDE	COMPLETE PLANNING OF ORIGINAL GOAL: "REDUCE THE AMOUNT OF SODIUM AZIDE CONTAMINATED TRASH SENT OFF-SITE FOR DISPOSAL BY 30%"	STUDY TRASH GENERATION 11/98. SOLICIT EMPLOYEE INPUT 11/98. CHARACTERIZE WASTE 12/98. DEVELOP P2 OPPORTUNITIES 2/99. EVALUATE P2 OPPORTUNITIES 2/99. ASSIGN DEADLINES AND RESPONSIBILITIES FOR SELECTED OPPORTUNITIES 3/99. EVALUATE NEW PACKAGING TO BE USED FOR THE ONSITE MOVEMENT OF GAS GENERANT GRAINS. INVENTORY WASTES TO ENABLE BETTER SEGREGATION OF BOTH NON-HAZARDOUS AND RECYCLABLE MATERIALS.	TRW VEHICLE SAFETY SYSTEMS,MESA II	200369	10
SODIUM NITRITE	(GOAL 12, PROCESS AREA 2) REDUCE OR ELIMINATE SODIUM NITRITE USE BY 73%.	EXPLORE ALTERNATIVE TREATMENT CHEMICALS TO SODIUM NITRITE.	TRW VEHICLE SAFETY SYSTEMS,MESA I	200395	12
SODIUM AZIDE	(GOAL 2, PROCESS AREA 2) REDUCE SODIUM NITRITE USE AND D003 WASTE STREAM. (BASELINE QUANTITY IS 67 % REGRANULATED SODIUM AZIDE.)	REUSE SCRAP GAS GENERANT IN PROCESS. MAINTAIN A MINIMUM 67% OF AZIDE REGRANULATED VS AZIDE SCRAPPED.	TRW VEHICLE SAFETY SYSTEMS,MESA I	200395	13
SODIUM AZIDE	REDUCE THE AMOUNT OF EVAPORATOR CONCENTRATE SENT OFF-SITE FOR DISPOSAL	EXPLORE FEASIBILITY OF MODIFYING MANAGEMENT OF EVAPORATOR CONCENTRATE TO ALLOW FOR USE AS FEEDSTOCK IN SODIUM AZIDE MANUFACTURING PROCESS.	TRW VEHICLE SAFETY SYSTEMS,MESA II	200369	13

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
SODIUM AZIDE	(GOAL 1, PROCESS AREA 3) REDUCE VOLUME OF SODIUM AZIDE CONTAMINATED TRASH THROUGH COMPACTION. (BASELINE QUANTITY 66 ROLL OFF BINS, 1999)	COMPACT SODIUM AZIDE CONTAMINATED TRASH (REDUCE VOLUME BY 59%.)	TRW VEHICLE SAFETY SYSTEMS,MESA I	200395	14
SODIUM AZIDE	RECOVER SODIUM AZIDE FROM MINIMUM 90% OF THE OFF SPECIFICATION GAS GENERANT.	PROCESS POWDERED GENERANT INTO AN AQUEOUS SLURRY; PROCESS IN AZIDE RECOVERY UNIT	TRW VEHICLE SAFETY SYSTEMS,MESA II	200369	2
SODIUM AZIDE	REDUCE THE USE OF SODIUM AZIDE AT THE SOURCE BY PRODUCING 25% OF THE SIDE INFLATORS USING NON-SODIUM AZIDE BASED FORMULATIONS.	COMPLETE DEVELOPMENT, PRODUCTION AND MARKETING TASKS FOR AUGMENTED PASSENGER INFLATOR AND HEATED GAS INFLATOR.; CHANGES IN GENERANT COMPOSITION ALLOWING FOR RAW MATERIAL SUBSTITUTION FOR SODIUM AZIDE.	TRW VEHICLE SAFETY SYSTEMS,MESA II	200369	3
SODIUM AZIDE	REDUCE THE DE MINIMIS AMOUNT OF SODIUM AZIDE WHICH IS LOST DURING REPACKAGING TO 50% OF BASELINE.	DESIGN AND INSTALL AN IMPROVED SEAL BETWEEN VENDORS BULK BAG AND THE TOTE BINS; HAVE VENDOR USE TRW'S REUSABLE TOTE BINS TO SHIP IN.	TRW VEHICLE SAFETY SYSTEMS,MESA II	200369	4
SODIUM AZIDE	REDUCE TOTAL QUANTITY OF SODIUM-AZIDE CONTAMINATED TRASH AND DEBRIS BY 10%.	TRIPLE RINSE INCOMING RAW SODIUM AZIDE CONTAINERS.	TRW VEHICLE SAFETY SYSTEMS,MESA I	200395	4
SODIUM AZIDE	REDUCE THE AMOUNT OF SCRAP GENERANT GRAIN COATING SLURRY TO 50% OF THE BASELINE.	INSTALL SPRAY EQUIPMENT TO COAT GRAINS WITH THE COMBUSTION ENHANCER WHICH REPLACES THE CURRENT GRAIN DIPPING METHOD	TRW VEHICLE SAFETY SYSTEMS,MESA II	200369	5
SODIUM AZIDE	REDUCE THE AMOUNT OF SCRAP GENERANT TO 5% OF THE TOTAL PRODUCED	ELIMINATE THE LOW YIELD AGGLOMERATION UNIT; EXPAND INTERNAL RECYCLING ACTIVITIES INCLUDING REGRANULATION OF DISKS FOR REPRESSING; ADD NEW PRESSES	TRW VEHICLE SAFETY SYSTEMS,MESA I	200395	5
SODIUM AZIDE	ELIMINATE OFFSITE SHIPMENTS OF SCRAP GENERANT FOR TREATMENT/DISPOSAL (OFFSITE SHIPMENTS ONLY FOR RECYCLING PURPOSES)	REDUCE SCRAP LEVELS; INCREASE AZIDE RECOVERY UNIT'S DISSOLUTION EXTRACTION TO ACCEPT ALL OFF-SPEC GAS GENERANT.	TRW VEHICLE SAFETY SYSTEMS,MESA I	200395	6
SODIUM AZIDE	UPGRADE WASTE WATER TREATMENT PROCESS TO ENABLE RECOERY OF SODIUM AZIDE VALUES FROM PROCESS WASTE WATER.	DESIGN AND CONSTRUCT A WASTEWATER TREATMENT AND PROCESSING SYSTEM CAPABLE OF PRODUCING A MARKETABLE SODIUM AZIDE SOLUTION	TRW VEHICLE SAFETY SYSTEMS,MESA I	200395	7
SODIUM AZIDE	COMPLETE PLANNING OF ORIGINAL GOAL: REDUCE THE AMOUNT (POUNDS) OF EVAPORATOR CONCENTRATE SENT OFF-SITE FOR DISPOSAL TO 90% OF BASELINE AMOUNT	REDUCE WASTEWATER (EVAPORATOR INPUT) FLOWS BY IMPLEMENTING CHANGES IN VARIOUS WATER PRODUCING PROCESS AREAS. INSTALL WET SCRUBBER ON WASTEWATER PROCESSING TANKS 9A AND 9B TO PERMIT CHEMICAL TREATMENT OF WATER WITH < 1500 PPM SODIUM AZIDE	TRW VEHICLE SAFETY SYSTEMS,MESA II	200369	8
SODIUM AZIDE	PROCESS 95% OF OFF SPECIFICATION CANISTER ASSEMBLIES TO OPEN THEM AND RECOVER GAS GENERANT. (7/2000: 100% GAS RECOVERED.)	MECHANICALLY OPEN GAS GENERANT CANISTERS TO RECOVER THE GAS GENERANT	TRW VEHICLE SAFETY SYSTEMS,MESA I	200395	8
SODIUM AZIDE (STORM H20)	PLAN AND IMPLEMENT A WATER REUSE FEASIBILITY STUDY	PHOTOLYTIC OXIDATION OF STORM WATER	TRW VEHICLE SAFETY SYSTEMS,MESA I	200395	9
SODIUM AZIDE	COMPLETE PLANNING OF ORIGINAL GOAL: REDUCE THE AMOUNT (POUNDS) OF WASTE WATER SLUDGE SENT OFF SITE FOR DISPOSAL TO 75% OF BASELINE QUANTITY.	REDUCE VOLUME OF WASTE WATER TREATED THROUGH SOURCE REDUCTION. INSTALL AND EVALUATE CLARIFIER UPSTREAM OF THE ROTARY VACUUM FILTER UNIT IN THE WASTEWATER PRETREATMENT PROCESS.	TRW VEHICLE SAFETY SYSTEMS,MESA II	200369	9
SODIUM HYDROXIDE	REDUCE THE PURCHASE OF SODIUM HYDROXIDE AND OF NITRIC ACID	REUSE CHEMICALS UNTIL POTENCY DIMINISHES AT WHICH TIME ACID AND CAUSTIC WILL BE COMBINED FOR NEUTRALIZATION	UNITED DAIRYMEN OF ARIZONA	200416	3
SODIUM FLOURIDE	REDUCE THE CORROSIVITY OF THE CONTAMINATED RINSATE WATER DUE TO SODIUM HYDROXIDE FROM ETCHING DRAGOUT	INVESTIGATE AN IN-LINE NEUTRALIZATION SYSTEM USING HYDROCHLORIC ACID TITRATION IN CONJUNCTION WITH PH METERING EQUIPMENT.	W. L. GORE & ASSOC.(4TH ST.)	200429	4
SODIUM HYDROXIDE	REDUCE THE CORROSIVITY OF THE CONTAMINATED RINSATE WATER DUE TO SODIUM HYDROXIDE FROM ETCHING DRAGOUT	INVESTIGATE AN IN-LINE NEUTRALIZATION SYSTEM USING HYDROCHLORIC ACID TITRATION IN CONJUNCTION WITH PH METERING EQUIPMENT.	W. L. GORE & ASSOC.(4TH ST.)	200429	4
SODIUM HYDROXIDE	REDUCE USE OF REAGENTS, ELECTRICITY AND WATER IN PERFORMANCE BY LABORATORY OF THE CYANIDE DISTILLATION TEST	REPLACE DISTILLATION TEST WITH CYANIDE ELECTRODE THAT IS APPROVED BY EPA	WORLD RESOURCES COMPANY	200440	10
SOLDER STRIP	REDUCE SOLDER STRIP CHEMISTRY	ELIMINATE SOLDER STRIP LINE TO A CONVEYORIZED LINE	DYNACO ACQUISITION CORP.	200129	5
SOLDER FLUX RESIDUE	ELIMINATE FREON 113 BY EVALUATING FLOW SOLDERING IN TINNING OPERATIONS TO IDENTIFY METHODS TO REDUCE SOLDER RESIDUE	EVALUATION PERFORMED A NEW CIRCUIT CARD CLEANING PROCESS ELIMINATED THE NEED FOR THIS GOAL.	HONEYWELL-SATELLITE SYSTEMS GROUP	200179	4
SOLDER FLUX	ELIMINATE CURRENT FLUX AND FIND A NEW FLUX FOR THE PROCESS THAT DOES NOT CONTAIN HYDROCHLORIC ACID OR VOCS.	REPLACE FLUX THAT CONTAINS VOCS WITH FLUX THAT IS VOC FREE.	MOSAIC PRINTED CIRCUITS, LLC. (QUALITY PRINTED CIRCUITS)	200513	9
SOLDER FLUX/ LAQUER SPRAY	VOC REDUCTION PROJECTS: REDUCE ISOPROPANOL USE BY 20%, ACETONE USE BY 20%, CLEAR LACQUER SPRAY USE BY 95% ** GOAL DROPPED**	IMPLEMENT WATER SOLUBLE FLUXES; FIND ALTERNATE FOR ACETONE; IMPLEMENT MECHANICAL MARKING MACHINE	RAYTHEON COMPANY USAF PLANT 44	200184	19
SOLDER CLEANING CHEMICAL	DECREASE CLEANING CHEMICAL USAGE ON SOLDER LEVEL LINE.	BY DETERMINING THE FEASIBILITY OF REUSING CLEANER.	SANMINA - SCI	200669	23

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
SOLDER	REDUCE CHEMICAL USAGE ON SOLDER LEVEL LINE.	BY DETERMINING THE FEASIBILITY OF USING IN-LINE FILTERS TO DECREASE CHEMICAL DUMP FREQUENCY.	SANMINA - SCI	200669	24
SOLDER STRIP MIX	DETERMINE THE FEASIBILITY OF IN-LINE FILTERS ON THE MP-80 LINE.	PUT IN-LINE FILTERS ON APPROPRIATE BATHS TO REDUCE DUMP CYCLES.	SANMINA - SCI	200669	63
SOLID PLATING WASTE	REDUCE PLATING WASTE BY 30%.	IMPROVE SLUDGE MANAGEMENT PRACTICES.	ANOCAD PLATING & PAINTING CO, INC.	200037	3
SOLID WASTE	REDUCE NON-HAZARDOUS WASTE SENT TO LANDFILLS BY 50%.	IMPROVED RECORD KEEPING	APS DEER VALLEY SERVICE CENTER	200040	4
SOLID WASTE	REDUCE THE NUMBER OF 100 LB PAPER SACKS BEING SENT TO THE LANDFILL BY 90% BY CHANGING BUYING PRACTICES AND BUYING MOST OF THE RESIN COATED SAND IN RECYCLEABLE 3000 LB BULK BAGS AND BUILD PORTABLE BULK BINS IN ORDER TO UTILIZE THE BULK BAGS.	BY BUILDING AND USING PORTABLE BULK BINS, WE CAN UTILIZE BULK BAGS AND ELIMINATE 90% OF THE 100 LBS BAGS WE HAVE BEEN BUYING	ARIZONA CASTINGS, INC.	200477	7
SOLID WASTE	REDUCE THE NUMBER OF 100 LBS PAPER SACKS BEING SENT TO THE LANDFILL. THEY WILL CHANGE THEIR SAND BUYING PRACTICE AND BUY MOST OF THE SAND IN RECYCLEABLE 3000 LBS BULK BAGS AND/OR IN BULK PNEUMATIC TANK TRUCKS. BOTH THE BAGS AND BULK TRUCK CAN EMPTY DIRECTLY INTO THEIR SILO.	BY UTILIZING THE SAND SILO THEY WILL BE ABLE TO ELIMINATE APPROXIMATELY 90% OF THE 100 LBS BAGS THEY HAVE BEEN USING.	ARIZONA CASTINGS, INC.	200477	9
SOLID WASTE	REDUCE THE AMOUNT OF MATERIAL DISCARDED INTO DUMPSTERS WHICH SHOULD NOT BE DISCARDED INTO DUMPSTERS.	INCREASE EMPLOYEE AWARENESS REGARDING APPROPRIATE METHODS OF TRASH DISPOSAL THROUGH AN 8-HOUR ANNUAL REFRESHER TRAINING	ASARCO - MISSION COMPLEX (SAHUARITA)	200047	11
SOLID WASTE	ELIMINATE THE DISPOSAL OF NON-HAZARDOUS PAPER WASTE BY RECYCLING PAPER.	BEGIN A RECYCLING PROGRAM WITHIN THE AZ NATIONAL GUARD	AZ DEPT OF EMERGENCY MILITARY AFFAIRS	200058	9
SOLID WASTE	REDUCE THE AMOUNT OF PAPER WASTE GENERATED IN THE PLANT BY 10%.	BY INSTALLING AN E-MAIL SYSTEM ON ALL ADMINISTRATIVE COMPUTERS TO ALLOW FOR INTER- AND INTRAOFFICE COMMUNICATIONS WITHOUT THE NEED FOR PAPER.	BOC GASES	200020	7
SOLID WASTE	REDUCE SOLID WASTE FROM MANUFACTURER AND RECEIVING AREAS.	FIND OUTSIDE SOURCES THAT CAN RECYCLE PAPER, CARDBOARD AND PLASTICS	CORNING GILBERT INC. -PHOENIX	200549	3
SOLID WASTE	REDUCE THE AMOUNT OF SOLID WASTE GENERATED.	EXPAND RECYCLING PROGRAM TO INCLUDE ADDITIONAL ITEMS. (NOTE: MEASURED IN POUNDS OF WASTE RECYCLED.)	CYTECFIBERITE	200185	28
SOLID WASTE	REDUCE THE AMOUNT OF SOLID WASTE GENERATED.	PROMOTE RECYCLING THROUGH INCENTIVE PROGRAM, PROMOTIONS OR EDUCATION.	CYTECFIBERITE	200185	29
SOLID WASTE	REDUCE THE AMOUNT OF EXCESS MATERIALS GENERATED FROM CUSTOMERS ORDERS (TEMPE PRODUCTS)	EVALUATE RAW MATERIAL MIX FORMULAS.	CYTECFIBERITE	200185	31
SOLID WASTE	MAINTAIN GOAL OF 50% SOLID WASTE RECYCLING	SEE AMENDMENT SUBMISSION FOR A LIST OF METHODS TO INCREASE RECYCLING.	IBM CORPORATION	200194	16
SOLID WASTE	REDUCE SOLID WASTE. INCREASE AMOUNTS OF ALUMINUM CANS, CARDBOARD, OFFICE PAPER, NICKEL CADMIUM BATTERIES, COPY MACHINE, FAX MACHINE AND PRINTER TONER CARTRIDGES RECYCLED BY 20% EACH.	DEVELOP SITE-WIDE RECYCLING PROGRAM	MOTOROLA - RESEARCH DIV	200609	1
SOLID WASTE	REDUCE SOLID WASTE. INCREASE AMOUNTS OF PLASTIC SHOE COVERS, HAIRNETS AND BOOTIES RECYCLED BY 20%.	RECYCLING PLASTIC.	MOTOROLA - RESEARCH DIV	200609	2
SOLID WASTE	REDUCE SOLID WASTE BY RECYCLING. INCREASE AMOUNTS OF CONSTRUCTION METALS RECYCLED BY 20%.	RECYCLING OF MIXED CONSTRUCTION METALS.	MOTOROLA - RESEARCH DIV	200609	3
SOLID WASTE	REDUCE THE AMOUNT OF SOLID WASTE THROUGHOUT THE FACILITY.	INSTITUTE RECYCLING PROGRAM FOR SOLID WASTE AND ENCOURAGE EMPLOYEES TO MINIMIZE WASTES.	MULAY PLASTICS, INC. (CASA GRANDE)	200260	2
SOLID WASTE	REDUCE METAL SCRAP, WOOD PALLET, CARDBOARD AND MISC. WOOD WASTES.	RECYCLE METAL SCRAP AND WOOD PALLETS. SHRED MISCELLANEOUS WOOD FOR MULCH. BAIL AND COMPACT CARDBOARD.	PHELPS DODGE MIAMI INC.	200115	17
SOLID WASTE	RECYCLE OFFICE PAPER.	RECYCLING, 2 SIDED COPIES, E-MAIL.	REXAM BEVERAGE CAN COMPANY-PHX AZ FACILITY	200031	10
SOLID WASTE	PROMOTE POLYWOOD SHUTTERS THROUGH ADVERTISING	ADVERTISE POLYWOOD SHUTTERS THROUGH BROCHURES, VIDEOS, PHONE BOOK, AND NEWSPAPERS	SUNBURST SHUTTERS	200524	5
SOLID WASTE	REDUCE AMOUNT OF SOLID WASTE SENT TO LANDFILL.	REUSE AND RECYCLE STEEL, ALUMINUM, COPPER, TITANIUM, OFFICE PAPER, CARBOARD, ETC.	THE BOEING COMPANY	200238	18
SOLID WASTE	COMPLETE PLANNING OF ORIGINAL GOAL: "REDUCE THE AMOUNT OF PLANT TRASH SENT OFF-SITE FOR DISPOSAL BY 80%"	STUDY TRASH GENERATION 9/98. SOLICIT EMPLOYEE INPUT 10/98. CHARACTERIZE WASTE 10/98. DEVELOP P2 OPPORTUNITIES 11/98. EVALUATE P2 OPPORTUNITIES 12/98. ASSIGN DEADLINES AND RESPONSIBILITIES FOR SELECTED OPPORTUNITIES 1/99.	TRW VEHICLE SAFETY SYSTEMS,MESA II	200369	7
SOLID WASTE	REDUCE THE DISPOSAL OF SOLID WASTE (INCLUDING PAINT RELATED MATERIAL) BY 50%.	RESEARCH OPPORTUNITY TO RECYCLE SOLID WASTES AND PAINT WASTE.	U.S. MARINE CORPS - YUMA AIR STATION	200407	5
SOLVENT/INK WIPES	REDUCE HAZARDOUS WASTE GENERATED FROM LAMP CONSTRUCTION IN OTHER COMMERCIAL APPLICATIONS	REDUCE SCREEN PRINTING PASSES, LOWER PHOSPHOR USAGE, INCREASE INK SOLIDS	DUREL CORPORATION	200518	7

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
SOLVENT CONTAMINATED DEBRIS	REDUCE CHEMICAL CONTAMINATED DEBRIS BY 10%.	DEVELOP AWARENESS AND TRAINING PROGRAM FOR EMPLOYEE IN MANUFACTURING AREAS.	HONEYWELL ENGINES & SYSTEMS (TUCSON)	200025	24
SOLVENT CONTAMINATED DEBRIS	REDUCE CHEMICAL CONTAMINATED DEBRIS GENERATION BY 10%.	DEVELOP AWARENESS AND TRAINING PROGRAM FOR EMPLOYEES IN MANUFACTURING AREAS.	HONEYWELL ENGINES & SYSTEMS (TUCSON)	200025	29
SOLVENT WIPES	REDUCE CHEMICAL CONTAMINATED SOLID WIPER GENERATION BY 20%.	IMPROVE EMPLOYEE TRAINING; IMPROVE SEGREGATION OF HAZARDOUS AND NON-HAZARDOUS SOLIDS; APPLY CHEMICALS WITH A REUSABLE APPLICATOR.	HONEYWELL ENGINES & SYSTEMS (TUCSON)	200025	5
SOLVENT BLENDS	REDUCE HAZWASTE OF PAINT AND SOLVENT MIXTURE.	REDUCE HAZ WASTE BY USING DISPOSABLE FILTERS.	MI HOME PRODUCTS INC.	200072	15
SOLVENT NAPTHA	REDUCE UNNECESSAY PURGES WITH N-BUTYL ACETATE IN PHOTORESIST DEVELOPING STEP DUE TO VISUAL SOLVENT LEVEL CHECKS.	INSTALL LEVEL SENSORS; ELIMINATE VISUAL LEVEL CHECK AND PURGE CYCLE NECESSARY AFTER EACH VISUAL CHECK.	MOTOROLA SCG	200253	4
SOLVENT NAPTHA	ELIMINATE THE USE OF THE CURRENT NEGATIVE PHOTORESIST STRIPPER BY REPLACING IT WITH A LESS TOXIC ALTERNATIVE.	REPLACE WITH A LESS TOXIC STRIPPER	TEXAS INSTRUMENTS TUCSON	200077	13
SOLVENT BLENDS	MAINTAIN SOLVENT REPACK - MISCELLANEOUS WASTE BELOW 1000 LBS PER YEAR	CREATE RECIPE SHEETS FOR CURRENT BLENDS, DEVELOP WRITTEN OPERATING PROCEDURES.	UNIVAR USA, INC.	200426	9
SOLVENTS	(I) ELIMINATE THE ENAMEL PAINTS AND SOLVENTS USED	RESEARCH ALTERNATIVES.	ALKEMIN, S. DE R.L. DE C.V.	200211	9
SOLVENTS (CHLORINATED)	REDUCE THE USE OF CHLORINATED SOLVENTS BY 90%.	PRODUCTS CONTAINING TARGETED CHEMICALS WERE PROHIBITED ONSITE.	APS DEER VALLEY SERVICE CENTER	200040	1
SOLVENTS	REDUCE SOLVENT MIXTURE WASTE STREAM. (12/99 REPORTED REDUCTION QUANTITY 6,658 LBS.)	CHANGE HAZARDOUS WASTE DETERMINATION PROCEDURES AND SEGREGATE NON-RCRA REGULATED WASTE WATER SOLVENT MIXTURES FROM RCRA REGULATED WASTE FOR ALTERNATIVE DISPOSAL.	ARIZONA STATE UNIVERSITY-RISK MGMT.	200064	7
SOLVENTS	REDUCE WASTE PAINT (HAZARDOUS WASTE) WASTE STREAM. (12/01 REPORTED REDUCTION QUANTITY 3,823 LBS.)	CHANGE HAZARDOUS WASTE DETERMINATION PROCEDURES AND SEGREGATE NON-RCRA REGULATED LATEX PAINTS FROM RCRA REGULATED WASTE PAINT RELATED MATERIALS FOR ALTERNATIVE DISPOSAL.	ARIZONA STATE UNIVERSITY-RISK MGMT.	200064	8
SOLVENTS	REDUCE SOLVENT USE IN ACADEMIC / PAINTING STUDIO OPERATIONS AND RESULTING WASTE GENERATION.	EXPLORE THE OPPORTUNITY OF INSTALLING A PARTS-WASHER TYPE SYSTEM TO REUSE THE SOLVENT CONTINUOUSLY REDUCING THE VOLUME OF HAZARDOUS WASTE GENERATED.	ARIZONA STATE UNIVERSITY-RISK MGMT.	200064	9
SOLVENTS	REDUCE TOXICITY OF CLEANING CHEMICALS CURRENTLY USED BY CONTINUING TO LOOK FOR LESS TOXIC CHEMICALS TO BE USED FOR CLEAN UP.	MODIFY CLEAN UP SOLVENT BY SUBSTITUTING A LESS TOXIC CHEMICAL	CARDINAL INDUSTRIAL FINISHES	200082	14
SOLVENTS	REDUCE HAZARDOUS WASTE GENERATION IN PARTS CLEANING	EVALUATE NON-HAZARDOUS SOLVENTS	COCA-COLA BOTTLING CO.-TEMPE	200101	5
SOLVENTS	SITE WIDE 1E: MINIMIZE SOLVENT USAGE FOR CLEANUP ACTIVITIES TO MINIMIZE SOLVENT USE AT THE SOURCE	ACTIONS 1-5: AWARENESS/ EDUCATION; ESTABLISH DEPARTMENT WASTE MINIMIZATION COMMITTEE AND DEPARTMENT ACTIVITIES; SOLVENT TRACKING; SQUEEZE BOTTLE PROGRAM; CLOSED CON-TAINER PROGRAM	CYTECFIBERITE	200185	13
SOLVENTS -NON HALOGENATED	PILOT PLANT 6A: IMPLEMENT TRIPLE RINSE CLEANING PROCESS	ACTIONS 1-3: REVIEW CURRENT PRACTICE; EVALUATE ALTERNATIVES; IMPLEMENT	CYTECFIBERITE	200185	25
SOLVENTS	REDUCE SPENT HALOGENATED SOLVENT (F001) WASTE GENERATION BY 50% IN 1994 70% BY 01/01/95 AND 90% BY 12/31/95	SAME AS GOAL #1 SINCE ALL OF THE F001 WASTE STREAM IS SPENT 1,1,1 TCA.	GENERAL DYNAMICS DECISION SYSTEMS	200257	2
SOLVENTS - MIXED PETROLEUM	ELIMINATE THE YEARLY EMISSION OF 750 POUNDS OF MIXED SOLVENT VAPORS FROM THE TANK FARM	INSTALL VENTS THAT ADJUST AND RELEASE ONLY WHEN PRESSURE INSIDE EXCEEDS AMBIENT PRESSURE.	GOWAN CO.	200164	13
SOLVENTS PAINT	ELIMINATE SOLVENT AIR EMISSIONS FROM THE MeBr REPACKAGING OPERATION	USE WATER BASED PAINTS TO REPAINT THE MeBr CYLINDERS INSTEAD OF OIL BASED PAINTS	GOWAN CO.	200164	4
SOLVENTS - CLEANING	REDUCE HAZARDOUS WASTE GENERATED BY 20% FROM THE EQUIPMENT CLEANING PROCESS	PURCHASE NEW TECHNOLOGY MIXING EQUIPMENT	HEIL ENVIRONMENTAL INDUSTRIES LTD.	200530	4
SOLVENTS	INVESTIGATE THE USE OF WATER BASED COATINGS TO MINIMIZE THE AMOUNT OF SOLVENTS USED.	DEVELOP A PLAN AND IDENTIFY COATING SUPPLIERS TO EVALUATE WATER-BASED COATINGS THAT CAN ACHIEVE QUALITY AND MANUFACTURING GOALS. CONTINUE TESTING OF WATER BASED COATINGS AS DEVELOPED BY COATING SUPPLIERS.	HUNTER DOUGLAS WOOD PRODUCTS	200597	4
SOLVENTS	INVESTIGATE THE USE OF UV COATINGS TO MINIMIZE THE AMOUNT OF SOLVENTS USED.	DEVELOP A PLAN AND IDENTIFY COATINGS AND EQUIPMENT SUPPLIERS TO EVALUATE UV COATINGS THAT CAN ACHIEVE QUALITY AND MANUFACTURING GOALS. CONTINUE TESTING OF UV COATINGS.	HUNTER DOUGLAS WOOD PRODUCTS	200597	5

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
SOLVENTS IN INK	REDUCE POUNDS OF INK-CONTAMINATED USED FILTERS GENERATED THEREBY REDUCE POUNDS 'MIXROOM SOLID WASTE' GENERATED/ '1000 COATED OUTPUT UNITS' BY 5%/YEAR.	EXTEND FILTER LIFE, WORK CLOSELY, (INCLUDING ON SITE TESTING) WITH MANUFACTURERS TO OPTIMIZE TYPE AND SIZE OF FILTER BY FINDING MOST APPROPRIATE DISPOSABLE INK FILTER CARTRIDGE TO EXTEND AVERAGE FILTER LIFE WITHOUT AFFECTING INK QUALITY.	IMATION CORPORATION	200001	1
SOLVENTS	REDUCE VOC AIR EMISSIONS.	DETERMINE WHICH PROCESS PARAMETER CHANGES CAN IMPROVE AVERAGE CONTROL EFFICIENCY OF ABSORBER: COMPLETE SRP INSTRUMENTATION PROJECT, EXPERIMENT WITH STEAM USAGE AND CONTROL EFFICIENCY AT VARIOUS SWITCH POINTS, DETERMINE EQUIPMENT OR CARBON ISSUES, OPTIMIZE ADSORBER OPERATING PARAMETERS.	IMATION CORPORATION	200001	10
SOLVENTS	INCREASE LONGEVITY OF SOLVENTS; REDUCE AMOUNT OF SOLVENT IN WASTE-STREAMS ***INACTIVE FACILITY***	INVESTIGATE EXTENDING LIFE OF SOLVENT VIA SOLVENT ADD-ITIVE TRIALS THROUGH 1993, PREPARE COSTS TO BENEFIT ANALYSIS	KARSTEN PRECISION, HEAT TREAT DIVISION	200342	2
SOLVENTS (CHLORINATED)	REDUCE CHLORINATED SOLVENT USE **INACTIVE FACILITY***	PROVIDE VAPOR TIGHT LIDS ON ALL VAPOR DEGREASING TANKS BY OCT 1993. WHERE SPACE PROVIDES, INSTALL SLIDING LIDS	KARSTEN PRECISION, HEAT TREAT DIVISION	200342	3
SOLVENTS (CHLORINATED)	REDUCE CHLORINATED SOLVENT USE ***INACTIVE FACILITY***	ESTABLISH AN IN HOUSE GROUP TO STUDY THE USE OF WATER BASED CLEANERS; INCLUDE TRIAL RUNS ON SAMPLE PARTS TO EVALUATE EFFECTIVENESS	KARSTEN PRECISION, HEAT TREAT DIVISION	200342	4
SOLVENTS (CHLORINATED)	REDUCE CHLORINATED SOLVENT USE ***INACTIVE FACILITY***	ESTABLISH BASELINE DATA ON THE QUALITY OF PARTS THAT CAN BE CLEANED BEFORE SOLVENTS MUST BE REPLACED	KARSTEN PRECISION, HEAT TREAT DIVISION	200342	5
SOLVENTS SPENT(FLAMABLE)	REDUCE VOC EMISSIONS BY 10%.	IMPROVE HANDLING METHODS BY COVERING OPEN SOLVENT OPERATIONS AND MAINTAINING CLOSED WASTE COLLECTION AND DISPENSING CONTAINERS.	LITTON ELECTRO - OPTICAL SYSTEMS	200218	14
SOLVENTS	ELIMINATE SOLVENT RAG DISPOSAL	RAG RECYCLING PROGRAM	ME GLOBAL INC.	200079	11
SOLVENTS	REDUCE SOLVENT GENERATED	INVESTIGATE WATER BASED PARTS CLEANING AND SOLVENT CHANGEOUT. DETERMINED CURRENTLY USED SAFETY CLEAN PRODUCT WAS NOT HAZARDOUS.	ME GLOBAL INC.	200079	5
SOLVENTS	REDUCE VOCs IN SOLVENT WASH	PRODUCT SUBSTITUTION - 7/00 SAME CONSUMPTION RATE, DIFFERENT SOLVENT: SAFETY KLEEN PREMIUM SOLVENT 901 "OZONE FREE" (NOT USEPA "HAZ WASTE". ERG #128). WE HAVE REQUIRED OUR SOLVENT SUPPLIER TO PROVIDE THE MOST ENVIRONMENTALLY FRIENDLY SOLUTION FOR OUR APPLICATION. ATTENTION HAS BEEN FOCUSED ON DISPOSING OF WASTE OFFSITE AS NON-HAZARDOUS AND TO MINIMIZE VOC HEAD SPACE IN HOLDING TANKS.	ME GLOBAL INC.	200079	9
SOLVENTS	REDUCE THE AMOUNT OF BULK SOLVENT BY 10%.	CHECK ALL TOOL CONNECTIONS TO THE BULK SOLVENT COLLECTION SYSTEMS. MAKE SURE WATER RINSE OPERATIONS ARE NOT DRAINING TO THE BULK SOLVENT COLLECTION SYSTEMS.	MOTOROLA - RESEARCH DIV	200609	10
SOLVENTS	ELIMINATE SOLVENT BASED PATTERN DEFINITION THERBY REDUCING PHOTORESIST, ALPHATIC PETROLEUM DISTILLATES, N-BUTYL ACETATE.	REPLACE WITH AQUEOUS LAMINATED PHOTORESIST PROCESS.	MOTOROLA SCG	200253	13
SOLVENTS	(MOS4 PROJ. #MOS4-1) REDUCE USAGE OF VARIOUS SOLVENTS IN PARTS CLEANING PROCESSES BY CHANGING TO CO2 CRYOGENIC CLEANING. CLEANING WILL MOST LIKELY BE PERFORMED OFF SITE BY A SEPARATE COMPANY WHICH SPECIALIZES IN THIS CLEANING PROCESS. CLEANING OF SOME PARTS USING CO2 WILL BEGIN IN MID-1998 USING AN OFF SITE SERVICE.	USING TEST PARTS, EXPERIMENT WITH CO2 CLEANING PROCESS. EVALUATE THE QUALITY OF THE PROCESS TO ENSURE THAT AN ACCEPTABLE LEVEL OF CLEAN IS ACHIEVED. IF AN ACCEPTABLE LEVEL IS NOT ACHIEVED, CHANGE THE PROCESS (IE. LENGTHEN CLEANING TIME, VARY QUANTITY OF CO2 USED, ETC.). DESIGN AND INSTALL ANY EQUIPMENT MODIFICATIONS (NONE EXPECTED TO BE NEEDED). CONVERT TO NEW CLEANING PROCESS	MOTOROLA SCG	200253	31
SOLVENTS	FEASIBILITY STUDY REGARDING NON-AQUEOUS WAFER CLEANING SYSTEM, USING LASER DESORPTION TECHNOLOGY.	COMPLETE A FEASBILITY STUDY. FEASIBILITY STUDY INCLUDED AS ATTACHMENT TO GOAL.	MOTOROLA-TEMPE	200259	25
SOLVENTS	RECLAIM SOLVENT AND WATER FROM "GANTREZ RESIN" WASTE STREAM. **DROPPED**	PERFORM FEASIBILITY TEST; RECLAIM SOLVENTS.	NORTHROP-GRUMMAN	200174	6
SOLVENTS	REDUCE THE AMOUNT OF HAZARDOUS WASTE GENERATED AND SHIPPED OFF-SITE ***DROPPED - OUT OF PROGRAM****	REFIT CONTAINERS TO MAINTAIN A CLOSED SYSTEM, EVALUATE BETTER PART WASHING PROCEDURES, USE WATER BASED COATINGS, EVALUATE NON-TOXIC GREASE CUTTERS	OAKCRAFT, INC	200502	4
SOLVENTS (CHLORINATED)	ELIMINATE THE ONSITE USE OF CHLORINATED SOLVENTS FOR PARTS WASHING.	SUBSTITUTE CHLORNATED SOLVENTS USED FOR PARTS CLEANING WITH AN AQUEOUS PARTS WASHING SYSTEM.	PENN RACQUET SPORTS	200598	2.5

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
SOLVENTS	REDUCE VOC EMISSIONS FROM COATING STATION	REDESIGN COATING STATION: INVESTIGATE BY 3/99, COMPLETE ECONOMIC EVALUATION BY 12/99, IMPLEMENT IF FEASABLE BY 7/00. THIS ALSO INVOLVES : CHANGING CUSTOMER PACKAGING STRUCTURE REQUIREMENTS, INSTALLING A VACUUM SYSTEM AND DEVELOPING A FLOW CHART OF ADHESIVES USED ON PRESS 1.	PRINTPACK INC.	200484	6
SOLVENTS	REDUCE VOC EMISSIONS FROM RAG CANS AND SOLVENT CONTAINERS.	PURCHASE OR LEASE NEW RAG CANS, CONTRACT WITH VENDOR TO REPLACE DAMAGED CANS, LOOK FOR SELF CLOSING MOP BUCKET. AND DEVELOP A PM PROCEDURE FOR SOLVENT CONTAINERS.	PRINTPACK INC.	200484	7
SOLVENTS	REDUCE SOLVENT USAGE AND RELATED VOC EMISSIONS.	LOOK FOR LOW/NO VOC SOLVENTS, REVIEW CLEANING PROCEDURES WITH EACH PRESS TEAM TO DETERMINE AMOUNTS OF MATERIAL USED, AND FREQUENCY. PERFORM PROCESS AND ECONOMIC EVALUATIONS OF THESE REPLACEMENT SOLVENTS.	PRINTPACK INC.	200484	8
SOLVENTS - CLEANING	PLANT WIDE: REDUCE OR ELIMINATE HAZARDOUS PARTS WASHING TANK SOLVENT.	THE GOAL WILL BE ACHIEVED BY WORKING WITH A PARTS WASHING VENDOR TO SWITCH TO A NON-HAZARDOUS FLUID THAT IS RECYCLED INSTEAD OF DISPOSED AS HAZARDOUS WASTE.	SOUTHWIRE COMPANY	200151	13
SOLVENTS	PHOTOLITHOGRAPHY: DECREASE WATER CONTENT OF SPENT SOLVENT WASTE STREAM BY 5%.	REVIEW SEGREGATION OF DRAIN SYSTEMS FROM TOOLS.	STMICROELECTRONICS, INC.	200585	16
SOLVENTS	SOLVENT CONTAMINATED DEBRIS (1): ELIMINATE USE OF DISPOSABLE PAPER TOWELS	RESEARCH FEASIBILITY OFSUBSTITUTING CLOTH TOWELS FOR PAPER TOWELS; OBTAIN QUOTES, PERFORM COST ANAL- YSIS, PERFORM TRIAL RUN IF COST EFFECTIVE, EVALUATE WASTE REUDCTION USING TOWELS, IMPLEMENT THROUGHOUT PLANT	TALLEY DEFENSE SYSTEMS - PLT 4	200370	20
SOLVENTS - CLEANING	REDUCE THE AMOUNT OF SOLVENT WASTE FROM VEHICLE PARTS WASHING (MINERAL SPIRITS).	TRIAL TESTS FOR BIODEGRADABLE SOLVENTS FOR VEHICLE PARTS WASHING TO REPLACE MINERAL SPIRITS	U.S. ARMY - FORT HUACHUCA	200404	2
SOLVENTS HALOGENATED	ELIMINATE USE OF AND DISPOSAL OF SOLVENTS WHERE FEASIBLE.	IDENTIFY ADDITIONAL WASTE SOLVENT STREAMS. USE FLOW CHART TO PRIORITIZE BEST ALTERNATIVES.	U.S.A.F. - LUKE	200409	21
SOLVENTS	3.7 SOLVENT SHED, B-5 OPERATIONS: REDUCE VOLUME OF CHEMICALS PURCHASED, USED AND STORED ONSITE IN THE B-5 SOLVENT SHED.	ACTION PLAN 1: REVIEW PRODUCTION REQUIREMENTS FOR SOLVENT USE IN PRODUCTION WORK AREAS AND & MODIFY PURCHASING PRACTICES. ORDER SMALLER CONTAINERS OF CHEMICALS, END THE PRACTICE OF ORDERING IN BULK FOR PRICE BREAK. ACTION PLAN 2: REVIEW AND MODIFY WHERE FEASIBLE, THE HAZARDOUS CHEMICALS USED FOR CLEANING AND PREPARATION PROCESSES IN THE PRODUCTION AREAS. REPLACE HAZARDOUS CHEMICALS WITH ENVIRONMENTALLY FRIENDLY ALTERNATIVES WHERE FEASIBLE.	UNIVERSAL PROPULSION COMPANY INC.	200421	16
SOLVENTS	ELIMINATE HAZARDOUS WASTE GENERATED BY PARTS WASHERS BY MAINENTANCE	SUBSTITUTE SOLVENT AND RECYCLE SOLVENT WASTE.	WEISER LOCK COMPANY	200435	13
SOLVENTS	EVALUATE POTENTIAL METHOD TO REDUCE SOLVENT USE IN FURNITURE FINISH COATS (STAIN, SEALER, LACQUER)	EVALUATE THE TECHNICAL FEASIBILITY OF CONVERTING TO WATER BASED FINISH COATINGS. RESEARCH WATERBORNE SYSTEM.	WOODSTUFF MANUFACTURING-43RD AVE	200459	2
SOLVENTS-NON HALOGENATED	REDUCE THE AMOUNT OF EXPIRED SHELF LIFE CHEMICALS/ PRODUCTS SENT FOR WASTE DISPOSAL.	CONTACT SUPPLIERS TO RAISE SHELF LIFE TIME OR TO ALLOW PURCHASE OF SMALLER QUANTITIES; SEND AN ANNUAL QUESTIONNAIRE TO SUPPLIERS FOR THEIR SUPPORT.	ABRAMS AIRBORNE MFG	200003	5
SPENT SOLVENTS	REDUCE SPENT SOLVENT AND HAZARDOUS WASTE DISPOSAL COSTS.	SPENT SOLVENT WILL BE REDUCED AND HAZARDOUS WASTE COSTS REDUCED BY USING A NON HAZARDOUS BREAKTHROUGH PD-680 TYPE I AND II SOLVENT IN THE PARTS WASHER (IT-30), WHICH USES A FILTRATION SYSTEM TO RECYCLE THE SOLVENT.	AZ AIRFORCE NATIONAL GUARD (TUCSON/PHOENIX)	200696	5T
SPENT SOLVENTS	REDUCE SPENT SOLVENT GENRATION USED FOR CIRCUIT CARD SUB-ASSEMBLY MANUFACTURING BY 20% BEFORE JULY 1, 1999 THROUGH OUTSOURCING ACTIVITIES TO HAVE SUB-ASSEMBLY MANUFACTURING PERFORMED BY ANOTHER COMPANY THAT IS BETTER SUITED FOR THE PROCESS.	THROUGH OUTSOURCING ACTIVITIES TO HAVE SUB-ASSEMBLY MANUFACTURING PERFORMED BY ANOTHER COMPANY THAT IS BETTER SUITED FOR THE PROCESS.	HONEYWELL ENGINES & SYSTEMS (TUCSON)	200025	10
SPENT SOLVENTS	REDUCE SPENT SOLVENT GENERATION BY 50%.	OBTAIN ONSITE SOLVENT RECOVERY STILL FOR RECYCLE AND REUSE OF ISOPROPYL ALCOHOL.	HONEYWELL ENGINES & SYSTEMS (TUCSON)	200025	21
SPENT SOLVENTS	REDUCE SPENT SOLVENT GENERATION BY 10%.	DEVELOP AWARENESS AND TRAINING PROGRAM FOR EMPLOYEES IN MANUFACTURING AREAS.	HONEYWELL ENGINES & SYSTEMS (TUCSON)	200025	22
SPENT SOLVENTS	REDUCE USE OF IPA THROUGH SUBSTITUTION.	REPLACE IPA AS A CLEANING AGENT FOR WORKSTATIONS WITH A NON-HAZARDOUS SUBSTITUTE.	HONEYWELL ENGINES & SYSTEMS (TUCSON)	200025	23
SPENT FLUX/ IPA	REDUCE GENERATION OF SPENT FLUX AND THINNER BY 5%.	CHANGE FLUX THINNER IN WAVE SOLDER MACHINE EVERY 10 DAYS RATHER THAN EVERY SEVEN DAYS.	HONEYWELL ENGINES & SYSTEMS (TUCSON)	200025	28

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
SPENT SOLVENTS	REDUCE SPENT SOLVENT GENERATION USED FOR CIRCUIT BOARD SUB-ASSEMBLY MANUFACTURING BY 5% BEFORE 1/1/1999 THROUGH INCREASED EMPLOYEE AWARENESS AND TRAINING TO MODERATE USE, KEEP CONTAINERS CLOSED, AND ONLY CHANGE OUT SOLVENTS AFTER THEY HAVE BEEN USED TO FULL POTENTIAL.	THROUGH INCREASED EMPLOYEE AWARENESS AND TRAINING TO MODERATE USE, KEEP CONTAINERS CLOSED, AND ONLY CHANGE OUT SOLVENTS AFTER THEY HAVE BEEN USED TO FULL POTENTIAL.	HONEYWELL ENGINES & SYSTEMS (TUCSON)	200025	9
SPENT ELECTROLESS NICKEL SOL.	REDUCE GENERATION OF SPENT ELECTROLESS NICKEL SOLUTION BY 80%. INVESTIGATE THE FEASIBILITY OF: INSTALLING A TREATMENT TANK AND MIXER TO PRECIPITATE OUT ORTHOPHOSITE AND REUSE SPENT SOLUTION; TREATING SPENT ELECTROLESS NICKEL SOLUTION ONSITE BY PERFORMING CONTROLLED PLATE OUT OF THE NICKEL ONTO HIGH SURFACE AREA SUBSTRATES. TEST FEASIBLE ALTERNATIVES ON SMALL SCALE. IMPLEMENT BEST ALTERNATIVE. **DROPPED**	REDUCE GENERATION OF SPENT ELECTROLESS NICKEL SOLUTION BY 80%. INVESTIGATE THE FEASIBILITY OF: INSTALLING A TREATMENT TANK AND MIXER TO PRECIPITATE OUT ORTHOPHOSITE AND REUSE SPENT SOLUTION; TREATING SPENT ELECTROLESS NICKEL SOLUTION ONSITE BY PERFORMING CONTROLLED PLATE OUT OF THE NICKEL ONTO HIGH SURFACE AREA SUBSTRATES. TEST FEASIBLE ALTERNATIVES ON SMALL SCALE. IMPLEMENT BEST ALTERNATIVE.	INNOVEX SOUTHWEST, INC.	200511	5
SPENT RESIN	REUSE THE SPENT RESIN MATERIAL THAT IS GENERATED AS A RESULT OF CLEANING **DROPPED**	SHIP THE SPENT RESIN TO A SISTER FACILITY IN IOWA TO USE AS PRODUCTION MATERIAL	ISOLA LAMINATE SYSTEMS	200268	2
SPENT FLAMMABLE SOLVENTS	RECYCLE 95% OF ALL MIXED FLAMMABLE SOLVENTS.	IMPROVE WASTE SOLVENT COLLECTION METHODS TO SEGREGATE AND MAKE SPENT SOLVENTS MORE AMENDABLE TO RE-USE. SEEK OUT OFF-SITE SOURCE THAT CAN RE-USE SOLVENT.	LITTON ELECTRO - OPTICAL SYSTEMS	200218	15
SPENT FLUORESCENT LIGHTS	RECYCLE 100% OF SPENT FLUORESCENT TUBES.	COLLECT TUBES WITHOUT BREAKING AND SHIP OFF-SITE TO RECYCLER IN LIEU OF LAND FILLING WASTE.	LITTON ELECTRO - OPTICAL SYSTEMS	200218	16
SPENT CARBON	REDUCE VOLUME OF SPENT CARBON BEING SENT TO THE LANDFILL.	REGENERATE 100% OF THE SPENT CARBON FROM THE VARA ABATEMENT EQUIPMENT & THE DI WATER PRODUCTION FACILITY	MOTOROLA - MESA	200255	5
SPENT ABSORBENT	REDUCE THE AMOUNT OF SPILL/DRIP/CLEAN UP WASTE FROM TRANSFERING MATERIALS BETWEEN DRUMS AND EQUIPMENT.	INSTALL BULK TANKS AND HARD PIPE DISPENSING TO EQUIPMENT	NORTH STAR STEEL ARIZONA	200615	3
SPENT ABSORBENT	REDUCE THE AMOUNT OF SPILL/DRIP/CLEAN UP WASTE FROM TRANSFERRING MATERIALS BETWEEN DRUMS AND EQUIPMENT.	IMPROVE MATERIAL MANAGEMENT PRACTICES	NORTH STAR STEEL ARIZONA	200615	4
SPENT FLOOR DRY	REDUCE THE AMOUNT OF FLOOR DRY CLEAN UP MATERIAL USED IN SHOPS.	EVALUATE REPLACING FLOOR DRY WITH RAGS THAT CAN BE LAUNDERED OR REUSED.	NORTH STAR STEEL ARIZONA	200615	6
SPENT SOLVENTS	REDUCE THE AMOUNT OF GOLFBALL PRIME COAT WASTE.	MIX TWO-PART COATINGS IN SMALLER AMOUNTS, BUT MORE OFTEN TO MINIMIZE THE QUANTITY OF COATINGS THAT MUST BE DISPOSED OF AS UNUSED, OUT OF DATE PAINT PRODUCTS. **ADDED POSSIBLY DISCONTINUE MANUFACTURING PROCESS.	PING, INC	200208	12
SPENT SOLVENTS	REDUCE THE QUANTITY OF GOLF BALL PRIME COAT WASTE BY 25%	EVALUATE MORE EFFICIENT SPRAY GUNS; EVALUATE ALTERNATIVE COATING EQUIPMENT SUCH AS ELECTROSTATIC PAINT BOOTHS FOR BALL COATS	PING, INC	200208	9
SPENT MANUFACTURING MATERIAL	REDUCE RAW MATERIAL REQUIREMENTS AND WASTE PRODUCTION BY MODIFYING THE EXISTING ZENER MANUFACTURING PROCESS (ZR-2000-5).	MODIFY THE EXISTING PROCESS 1) EXPERIMENT WITH ALTERNATE PROCESSES AND PROCESS FLOWS 2) CONDUCT EXPERIMENTS ON TEST WAFERS AND PRODUCT 3) QUALIFY PRODUCT FOR CUSTOMERS 4) CONVERT TO NEW PROCESS.	SCI,L.L.C (ON SEMICONDUCTOR)	200726	5
SPENT LITHIUM BATTERIES	REDUCE HAZARDOUS WASTE FROM SPENT LITHIUM BATTERIES.	DISCHARGE LITHIUM BATTERIES TO REMOVE REACTIVITY AND THEN DISPOSE AS SOLID WASTE	U.S. MARINE CORPS - YUMA AIR STATION	200407	3
SPILL LEAK PREVENTION	ENCAPSULATE THE 8,000 GAL SX-12, LIQUID ION EXCHANGE HOLDING TANK, AGAINST CATASTROPHIC FAILURE	PLACE A CONCRETE FLOOR SLOPED TO AN 8,000 GAL CONTAINMENT SUMP. INSTALL A 4 FT HIGH PERIMETER WALL TO PREVENT ACCESS	GRIFFIN CORP.-CASA GRANDE, AZ.	200212	7
SPILL LEAK PREVENTION	REDUCE SPILLS AND LEAKS FACILITY WIDE.	IMPROVE HOUSEKEEPING AND REDUCE SPILLS AND LEAKS. IMPLEMENT INSPECTION SYSTEM. IMPROVE PROCESS EQUIPMENT PREVENTATIVE MAINTENANCE.	MOSAIC PRINTED CIRCUITS, LLC. (QUALITY PRINTED CIRCUITS)	200513	14
SPILL LEAK PREVENTION	CHEMICAL HANDLING: REDUCE SPILLS FROM CHEMICAL HANDLING	REPLACE DRUMS WITH BULK TANKS FOR HCL, CUPRIC CHLORIDE, ALKALINE ETCH REPLENISHER, & SPENT ALKALINE ETCH. PLACE REMAINING DRUMS ON CRADLES WITH 5 GAL PAILS PLACED UNDER DISCHARGE NOZZLES TO CONTAIN LEAKS	MOSAIC PRINTED CIRCUITS, LLC. (QUALITY PRINTED CIRCUITS)	200513	4
SPILL EQUIPMENT	CHEMICAL MECHANICAL POLISHING: INSTALL A BULK DEVLIVERY SYSTEM IN THE CMP AREA TO REDUCE THE LIKELIHOOD OF SPILLS. 1) SELECT EQUIPMENT. 2) PURCHASE EQUIPMENT. 3) INSTALL AND TEST EQUIPMENT.	BULK DELIVERY SYSTEM AS OPPOSED TO HAND CARRYING AND POURING.	STMICROELECTRONICS, INC.	200585	7
SPILLS	REDUCE POTENTIAL OF HAZARDOUS MATERIAL SPILLS ***INACTIVE FACILITY***	INSTALL SECONDARY CONTAINMENT APPARATUS	CORONADO ENGINEERING AND CONSULTING	200507	2
SPILLS	REDUCE ACCIDENTIAL SPILL QUANTITIES THROUGH BETTER MANAGEMENT PRACTICES.	FINALIZE SPILL PREVENTION PLAN AND SPILL MEASURES.	U.S.A.F. - LUKE	200409	32
SPRAY PAINT	REDUCE MEK EMISSIONS PRODUCED FROM SPRAY PAINTING (WITH MEK PAINT) THE TUBE ENDS.	EVALUATE REPLACING MEK BASE PAINT WITH LOW VOC AND WATER BASED SPRAY PAINT	ALLIED TUBE AND CONDUIT	200032	10

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STEEL SHOT	REDUCE USE OF STEEL SHOT BY EXTENDING LIFE	USE STEEL SHOT IN BLASTERS UNTIL IT IS COMPLETELY SPENT	AUTOMOTIVE PARTS EXCHANGE	200504	4
STEEL DRUMS	REDUCE THE QUANTITY OF STEEL DRUMS SENT TO A LANDFILL AND REDUCE THE LIABILITY	RECLAIM 100% OF EMPTY STEEL DRUMS	MOTOROLA - MESA	200255	6
STEEL (DRUMS)	STEEL DRUMS: RECYCLE 100% OF STEEL DRUMS/ CONTAINERS THROUGH DRUM RECONDITIONING AND/OR STEEL RECYCLING.	IDENTIFY & UTILIZE A VENDOR WHICH WILL RECYCLE OR REUSE 100% OF EMPTY STEEL CONTAINERS GENERATED BY TDS BY FEB.1 1997. ACTION #1: iDENTIFY VENDORS. ACTION#2 EVALUATE. ACTION#3 ESTABLISH CONTACTS FOR RECYCLING AND STEEL DRUMS WILL BE SMELTERED OR RECONDITIONED FOR REUSE	TALLEY DEFENSE SYSTEMS - PLT 4	200370	16
STODDARD SOLVENT	ELIMINATE STODDARD SOLVENT FROM FACILITY MAINTENANCE CLEANING UNIT.	RESEARCH ALTERNATIVE CLEANING AGENTS AND REPLACE WITH A SUITABLE CLEANER.	CYTECFIBERITE	200185	40
STODDARD SOLVENT	REDUCE THE AMOUNT OF WASTE STODDARD SOLVENT AND ACETONE USED IN CLEANING/DEGREASING	REPAIR THE SOLVENT STILL AND USE ON STODDARD SOLVENT AND ACETONE	GOODRICH TURBOMACHINERY PRODUCTS	200434	3
STODDARD SOLVENT	REDUCE TOTAL HAZARDOUS CHEMICALS AND RESULTING WASTE GENERATED IN 1990 BY 12/31/95: STODDARD SOLVENT (OBJ. 2) **GOAL DROPPED**	SETUP RECYCLENE R-2 UNIT FOR DISTALLATION OF WATER FROM WATER DISPLACING LIQUID WASTE STREAM BY 08/30/93.	KACHINA AEROSPACE & SEMICONDUCTOR	200203	4
STODDARD SOLVENT	ARMAMENT SHOP: MINIMIZE HAZARDOUS WASTE (LEAD CONTAMINATED WATER) GENERATED FROM CLEANING SMALL WEAPONS	PURCHASE AND INSTALL AN ENCLOSED HOT WATER JET WASHER TO REPLACE THE AQUEOUS DETERGENT (XRT-5) IN THE CLEANING TANK	U.S.A.F. - LUKE	200409	7
STODDARD'S SOLVENT	REDUCE BY 600 GALLONS A YEAR THE AMOUNT OF STODDARD SOLVENT DISPOSED OF ***GOAL DROPPED ****	CHANGE TO SAFETY KLEEN RECYCLING. IMPLEMENT LONGER CHANGEOUT PERIODS	U.S. ARMY - YUMA PROVING GROUND	200406	1
STODDARD'S SOLVENT	ELIMINATE 100 GALLONS OF STODDARD'S SOLVENT DISPOSED OF IN VEHICLE INSTRUMENTATION BUILDING ***GOAL DROPPED ***	IMPLEMENT SAFETY CLEAN RECYCLING	U.S. ARMY - YUMA PROVING GROUND	200406	3
STORM WATER	ELIMINATE ACCUMULATION OF STORM WATER ON AND SPLATTER FROM AROUND NORTH PAD. MODIFY DESIGN OF NORTH CONCRETE CONTAINMENT PAD AT OB/OD DEMOLITION SITE. (1) EVALUATE OB/OD SITE FOR SUITABLE LOCATION OF NEW PAD. (2) IDENTIFY FUNDING FOR DESIGN AND CONSTRUCTION. (3) DEVELOP DESIGN SPECIFICATION FOR PAD. (4) CONSTRUCT NEW PAD FOR BURN PANS.	DESIGN AND CONSTRUCT NEW CONCRETE CONTAINMENT PAD TO ELIMINATE ACCUMULATION OF STORM WATER ON AND SPLATTER FROM AROUND NORTH PAD.	U.S. ARMY - YUMA PROVING GROUND	200406	7
STORMWATER	REDUCE CONTAMINATION OF STORMWATER RUNOFF FROM PROCESSING GALVANIZED STEEL TUBE.	DEVELOP AND IMPLEMENT A SAMPLING PROGRAM TO LOCATE AND IDENTIFY SOURCES OF CONTAMINATION. DEVELOP AND IMPLEMENT APPROPRIATE ACTIONS TO REDUCE CONTAMINATION BASED ON SAMPLING DATA AND SOURCE INFORMATION.	ALLIED TUBE AND CONDUIT	200032	24
STORMWATER	SITE WIDE 1F: STORMWATER POLLUTION PREVENTION	ACTIONS 1-10: REROUTE/ ELIMINATE NON-PERMITTED DISCHARGES; IMPLEMENT SWPPP; COVER HOT OIL SYSTEM; COVER DRUM STORAGE	CYTECFIBERITE	200185	14
STORMWATER	REDUCE POLLUTANTS IN STORM WATER RUNOFF	A STORM WATER DISCHARGE PLAN WILL BE FULLY IMPLEMENTED BY 10/19/93	GANNON & SCOTT PHOENIX, INC.	200168	6
STORMWATER	ENSURE THAT STORM WATER DOES NOT EXIT THE PROPERTY AND DOES NOT CONTACT RAW MATERIALS OR SOLID WASTE.	ENHANCE TRAINING IN STORM WATER P2. KEEP ALL DUMPSTERS WITH SPENT MATERIALS OR SOLID WASTE INSIDE THE BUILDING OR UNDER A CANOPY. KEEP MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP READILY AVAILABLE.	MARLAM INDUSTRIES, INC.	200532	9
STORMWATER	8.06 STORMWATER BEST MGMT: REDUCE POTENTIAL POLLUTION FROM STORMWATER	PROVIDE SECONDARY CONTAINMENT FOR SPECIFIC AREAS (STORAGE AREAS, DOCKS) AND CONTAINMENT BASINS FOR RUNOFF	MOTOROLA - CHANDLER	200254	6
STRIPPER	REDUCE THE AMOUNT OF OR ELIMINATE THE USE OF CURRENT STRIPPER CALLED STINGRAY AND ALSO REDUCE THE AMOUNT OF STRIPPER DEBRIS GENERATED (IE. HAZARDOUS)	SUBSTITUTE THE CURRENT STRIPPER CALLED STINGRAY WITH ZEP AFTER COMPARISON STUDY BETWEEN STINGRAY AND ZEP (STRIPPING PROCESS WILL NOT CHANGE)	AVIATION MANAGEMENT SYSTEMS, INC.	200130	6
STRIPPER - NAPIER (SV-35/C)	ELIMINATE ALL CURRENT STRIPPERS USED FOR AIRCRAFT PAINT REMOVAL WITH A SAFER SUBSTITUTE.	SUBSTITUTE CURRENT STRIPPER WITH NAPIER (SV-35/C).	AVIATION MANAGEMENT SYSTEMS, INC.	200130	8
STRIPPER	LOWER THE AMOUNT OF VOCS ON THE ALKALINE ETCHER.	BY INVESTIGATING THE OPPORTUNITY FOR USE OF A LOW OR NO VOC CHEMISTRY.	SANMINA - SCI	200669	47
STRIPPER	REDUCE VOC EMISSIONS IN THE DES LINES BUILDINGS C AND G.	BY INVESTIGATING THE OPPORTUNITY FOR USE OF A LOW OR NO VOC STRIPPER	SANMINA - SCI	200669	5
STRIPPER	REDUCE CHEMICAL DUMP FREQUENCY ON DES LINES	BY DETERMINING THE FEASIBILITY OF IN-LINE FILTERS TO REDUCE DUMP FREQUENCY.	SANMINA - SCI	200669	8
STYRENE	REDUCE STYRENE GEL COAT SPRAY EMISSIONS BY 15%.	IMPLEMENT CONTROLLED SPRAYING PROGRAM.	ADVANCED CONSTRUCTION PRODUCTS, INC.	200565	2
STYRENE	REDUCE USE AND EMISSIONS OF UNSATURATED POLYESTER RESIN.	USE STYRENE INHIBITOR; TRAIN EMPLOYEES; PURCHASE RESINS WITH A LOWER STYRENE CONTENT; CHANGE FILTERS REGULARLY.	AMERICAN FIBERGLASS	200533	1

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STYRENE	REDUCE THE USE AND EMISSIONS OF GEL-COAT RESIN.	ROLL GEL-COAT ONTO PRODUCT INSTEAD OF SPRAYING; TRAIN EMPLOYEES.	AMERICAN FIBERGLASS	200533	2
STYRENE	REDUCE STYRENE EMISSIONS FROM RESIN AND FIBERGLASS APPLICATION.	REDUCE EMISSIONS BY REPLACING ONE OF THE TANK MANUFACTURING LINES THAT USES AN AIRLESS RESIN SPRAY GUN WITH A FILAMENT WINDER. A FILAMENT WINDER DRAWS FIBERGLASS ROVING THROUGH A BATH OF CATALIZED RESIN AND THEN WINDS IT ONTO THE TANK MOLD. EMISSIONS ARE REDUCED BECAUSE THE RESIN IS NOT BEING ATOMIZED.	AMERICAN FIBERGLASS	200533	5
STYRENE	REDUCE STYRENE EMISSIONS FROM RESIN AND FIBERGLASS APPLICATION.	REPLACE THE RESIN AIRLESS SPRAY GUN WITH AN AIR ASSISTED AIRLESS (AAA) SPRAY GUN	AMERICAN FIBERGLASS	200533	6
STYRENE	REDUCE AMOUNT OF PRODUCT WASTE (INCLUDING RESIN AND GEL COAT) AND LOST PRODUCTS.	IMPLEMENT COMPUTERIZED ORDER SYSTEM. AnR IS RESEARCHING THE POSSIBILITY OF IMPLEMENTING A COMPUTERIZED ORDER SYSTEM WHICH WOULD BE USED TO TRACK AND CALCULATE ORDERS. TO DATE, AnR HAS NOT FOUND A COMPUTERIZED ORDER SYSTEM THAT MEETS ITS PARTICULAR BUSINESS NEEDS. AS A RESULT, AnR IS RESEARCHING IMPLEMENTING A NEW SYSTEM OR MODIFYING ITS CURRENT SYSTEM.	AnR MANUFACTURING, LTD.	200560	4
STYRENE	REDUCE AMOUNT OF PRODUCT WASTE (INCLUDING RESIN AND GEL COAT), DAMAGED PRODUCTS, AND REDUCE NOISE.	INSTALLATION OF ELECTRIC VIBRATORS WILL REDUCE THE LIKELIHOOD OF AIR BUBBLES IN THE PRODUCT WHICH WILL REDUCE THE AMOUNT OF DAMAGED PRODUCT.	AnR MANUFACTURING, LTD.	200560	5
STYRENE	REDUCE THE AMOUNT OF PRODUCT WASTE (INCLUDING RESIN AND GEL COAT), REDUCE DUST GENERATION, AND IMPROVE OVERALL EFFICIENCY OF PROCESS. 11/99 REPORTED THAT PRODUCT INVENTORY SHOULD BE COMPLETE BY 12/31/99.	CHANGE TRACK AND CONVEYER LINES.	AnR MANUFACTURING, LTD.	200560	6
STYRENE	REDUCE AMT OF WASTE AND LOST PRODUCTS AND IMPROVE OVERALL EFFICIENCY OF PROCESS.	IMPLEMENT REPLACEMENT OF CURRENT MIXING METHODS WITH AN AUTOMATED MIXER FOR RESIN; RESEARCH COST AND FEASIBILITY OF SUCH AUTOMATION.	AnR MANUFACTURING, LTD.	200560	7
STYRENE	REDUCE TOO MUCH RESIN OR FIBERGLASS APPLICATION, CREATING A MORE UNIFORM SPA SHELL.	INSTALL THE RESIN AND FIBERGLASS USAGE MONITOR TO CONTROL THE THICKNESS AND CONSISTENCY OF THE SPA SHELLS.	ARIZONA PACIFIC SPAS	200738	1
STYRENE	REDUCE STYRENE GEL COAT SPRAY EMISSIONS BY 15% BY IMPLEMENTING A CONTROLLED SPRAYING PROGRAM.	PUT FOLLOWING THREE ELEMENTS IN PLACE AND REPORT BY JULY 1 ON STATUS: SPRAY GUN PRESSURE CALIBRATION, OPERATOR TRAINING, AND OVERSPRAY CONTAINMENT FLANGES.	ARIZONA MARBLE INC.	200546	6
STYRENE	REDUCE WASTE MATRIX & ASSOCIATED STYRENE EMISSIONS IN THE CULTURED MARBLE PROCESS BY 5%. ACTION PLAN (1) INCREASE TRAINING	INSTITUTE GOOD HOUSEKEEPING MEASURES. IMPROVE EMPLOYEE TRAINING ESPECIALLY ON MIXING & POURING PROCESS. ENSURE THAT SPILLS ARE CLEANED UP PROMPTLY. DEVELOP PROCESS TO CHECK WEEKLY TO ENSURE THAT ALL TOOLS ARE IN GOOD WORKING CONDITION.	AVONTI MFG. INC	200540	1
STYRENE	REDUCE THE USE OF STYRENE BY 15% IN THE CONTROLLED GEL COATING AREA.	TRAIN EMPLOYEES IN CORRECT METHOD OF SPRAYING TO REDUCE EMISSIONS. APPLY GEL COATING IN A CONTROLLED WAY.	AVONTI MFG. INC	200540	7
STYRENE	REDUCE STYRENE EMISSIONS	USE STYRENE SUPPRESSED POLYESTER RESIN AND VINYL-ESTER RESIN	BAJA PRODUCTS, LTD	200066	1
STYRENE	REDUCE STYRENE EMISSIONS	PURCHASE NEW DELIVERY EQUIPMENT (VENUS-GUSMER FLOW CHOP SYSTEM) THAT DOES NOT ATOMIZE STYRENE.	BAJA PRODUCTS, LTD	200066	6
STYRENE	REDUCE PURCHASE OF ACETONE USED TO CLEAN REUSABLE STYRENE RESIN CONTAINERS (TOTES) RETURNED FROM CUSTOMERS.	INSTALL AN ACETONE RECOVERY STILL AND DISPOSE OF STILL BOTTOMS OFF-SITE BY FUEL BLENDING.	COMPOSITES ONE L.L.C.	200100	1
STYRENE	ELIMINATE THE ACETONE/ STYRENE RESIN STILL BOTTOM WASTE STREAM FROM ACETONE RECYCLING **DROPPED**	EVALUATE REUSING THE RESIN/ ACETONE STILL BOTTOM MATERIAL TO MAKE LANDSCAPE PAVING STONES THUS ELIMINATING THIS DISPOSAL.	COMPOSITES ONE L.L.C.	200100	2
STYRENE	REDUCE USE OF ACETONE TO CLEAN TOTES.	DEVELOP AND TEST POLYETHYLENE BAG LINERS FOR USE IN RESIN TOTES. STUDY AND TEST USE OF WATER BASE EMULSIFIERS.	COMPOSITES ONE L.L.C.	200100	5
STYRENE	REDUCE THE GENERATION OF HAZARDOUS WASTE CONTAINING ACETONE.	REPLACE ACETONE AS A CLEANING SOLVENT WITH A WATER BASED EMULSIFIERS.	COMPOSITES ONE L.L.C.	200100	6
STYRENE	REDUCE FUGITIVE EMISSIONS OF STYRENE FROM THE SPRAY AND CHOPPER BOOTH	RECONSTRUCT BOOTH DESIGN TO INCREASE CFMs THROUGH FILTERS.	DESERT SUN FIBERGLASS SYSTEMS	200551	1
STYRENE	LOWER VOC GEL COAT: REDUCE STYRENE EMISSIONS FROM THE G-1175 RESIN FROM HK RESEARCH CORP (45-47% STYRENE).[REFER TO GOAL #8 FOR MEASUREMENT]	INVESTIGATE A MATERIAL SUBSTITUTION TO USE GEL COATS WITH LOWER STYRENE CONTENTS FROM THE CURRENT 47% AVERAGE TO 34% STYRENE BASED ON COLOR AND REQUIREMENTS.	DESERT SUN FIBERGLASS SYSTEMS	200551	10
STYRENE	REDUCE STYRENE AND OTHER VOC ODORS.	CONSTRICT VOCS TO STACK TO BE NEUTRALIZED; DEVELOP ODOR NEUTRALIZING SYSTEM.	DESERT SUN FIBERGLASS SYSTEMS	200551	2
STYRENE	ELIMINATE POLYESTER RESIN.	TEST AND DEVELOP POLYURETHANE FOAM COMPOUND; TEST AND DEVELOP ALTERNATIVE CERAMIC COMPOSITES.	DESERT SUN FIBERGLASS SYSTEMS	200551	3

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
STYRENE	CHOPPER GUN AND GEL COAT APPLICATION: REDUCE STYRENE EMISSIONS FROM THE SPRAY ATOMIZATION OF GEL COAT.	(1) GEL COAT WIZARD BOOTH-USE EMULSION CLEANERS TO REPLACE ACETONE. (2) USE OF RECYCLABLE CUPS FOR GEL COAT (REPLACE DISPOPSABLE CUPS). (3) BATCH PROCESSING OF SPECIAL COLORS TO ELIMINATE WASTE AND EXCESSIVE OVERSPRAY.	DESERT SUN FIBERGLASS SYSTEMS	200551	7
STYRENE	LAMINATE CONSTRUCTION: REDUCE STYRENE EMISSIONS (UNSATURATED RESIN) FROM MANUFACTURING OF FIBERGLASS PARTS IN MALE AND FEMALE MOLDS. [REFER TO GOAL #8 FOR MEASUREMENT]	(1) REPLACE SOME OF THE STYRENE RESIN WITH FILLERS TO REDUCE THE STYRENE RESIN VOLUME BY UP TO 45%. (2) REPLACE SOME OF THE STYRENE RESIN WITH A LOW VOC RESIN. (AS EXAMPLE DCPD RESINS CAN REDUCE STYRENE CONTENT BY AS MUCH AS 10%.)	DESERT SUN FIBERGLASS SYSTEMS	200551	9
STYRENE	REDUCE STYRENE EMISSIONS	INSTALL STYRENE PUMP TO ELIMINATE POURING RESIN INTO 5 GALLON BUCKET AND POUR INTO MIXER REDUCING SPILLS BY 95%.	DISTINCTIVE MARBLE	200496	10
STYRENE	REDUCE STYRENE EMISSIONS	CATALYZE MATRIX IN 700 LB MIXER INSTEAD OF 5 GALLON BUCKETS	DISTINCTIVE MARBLE	200496	11
STYRENE	REDUCE STYRENE EMISSIONS	REDUCE WASTE BY USING OVERFLOW FROM PANEL MOLD TO BACK FILL "HATS" ON SINK MOLDS	DISTINCTIVE MARBLE	200496	12
STYRENE	REDUCE STYRENE EMISSIONS IN SHOP:	INVESTIGATE FEASIBILITY OF MAKING OR BUYING A COVER FOR THE MORTAR MIXER SO THAT MIXERS ARE CLOSED OR COVERED DURING MIXING (EXCEPT WHEN MATERIALS ARE ADDED OR REMOVED FROM THE VESSEL) SUCH THAT THERE ARE NO VISIBLE GAPS AND THERE IS NO ACTIVE VENTING,	DISTINCTIVE MARBLE	200496	4
STYRENE	CONTROLLING AIR FLOW AND EXHAUST: ASSURE ACCEPTABLE LEVELS OF STYRENE EMISSIONS FOR WORKERS.	INVESTIGATE NEED, COST AND FEASIBILITY OF REPAIRING THE MIXING ROOM ROLL-UP DOOR TO BETTER CONTROL AIR FLOW AND EXHAUST SO AS TO MAINTAIN A POSITIVE PRESSURE IN THE MIXING ROOM AND MINIMIZE AIR BLOWING INTO THE ROOM FROM OUTSIDE.	DISTINCTIVE MARBLE	200496	5
STYRENE	REDUCE GEL COAT OVERSPRAY THROUGH OPERATOR TRAINING.	IMPLEMENT AN OPERATOR SPRAY TRAINING PROGRAM. THE PROGRAM CAN INCLUDE ELEMENTS WHICH FUNCTION TOGETHER TO INCREASE SPRAY TRANSFER EFFICIENCY: SPRAY GUN PRESSURE CALIBRATION, OPERATOR TRAINING, AND OVERSPRAY CONTAINMENT FLANGES	DISTINCTIVE MARBLE	200496	6
STYRENE	REDUCE STYRENE EMISSIONS.	REVIEW SPRAY EQUIPMENT WITH SPRAY GUN VENDOR TO ASSURE OPTIMIZATION OF SPRAY GUN SETUP. MODIFY SPRAY SYSTEM OR EQUIPMENT (AS NECESSARY)	DISTINCTIVE MARBLE	200496	7
STYRENE	REDUCE STYRENE EMISSIONS FROM MATRIX MIXER	FABRICATE LID TO PREVENT OPEN AIR EMISSIONS KEEPING IT CLOSED AT ALL TIMES EXCEPT TO POUR INTO WHEEL BARROW FOR TRANSPORTATION TO MOLDS.	DISTINCTIVE MARBLE	200496	9
STYRENE	REDUCE STYRENE EMISSIONS.	MODIFY THE SPRAY SYSTEMS AND OPEN HAND MIXING VESSELS TO REDUCE STYRENE EMISSIONS	DQC MANUFACTURING, INC.	200497	6
STYRENE	REDUCE EMISSIONS OF STYRENE FROM SPRAY APPLICATION OF GEL COAT THROUGH EQUIPMENT CHANGE.	RESEARCH COST OF FLOW COATER ACQUISITION. DETERMINE FEASIBILITY OF FLOW COATER ACQUISITION. IF FEASIBLE, PURCHASE FLOW COATER. IF NOT FEASIBLE, PLACE INTO BUDGET CONSIDERATIONS FOR FUTURE ACQUISITION. 6/2002: PURCHASED A NON-ATOMIZED GEL COATING EQUIPMENT IN 2001.	EARL'S FIBERGLASS, INC.	200535	1
STYRENE	REDUCE EMISSIONS OF STYRENE FROM SPRAY APPLICATION OF GEL COAT THROUGH MATERIAL CHANGE.	REVIEW REDUCED STYRENE GEL COAT FOR SUITABILITY TO OUR APPLICATIONS. IF SUITABLE, REPLACE HIGHER STYRENE CONTENT GEL COATS WITH LOWER CONTENT GEL COATS. 6/2002: NO SUITABLE REPLACEMENT FOUND TO DATE. HAVE EFFECTED REDUCTION THROUGH EQUIPMENT CHANGE.	EARL'S FIBERGLASS, INC.	200535	2
STYRENE	REDUCE EMISSIONS OF STYRENE FROM SPRAY APPLICATION OF RESIN/FIBERGLASS THROUGH EQUIPMENT CHANGE.	RESEARCH COST OF FLOW COATER ACQUISITION. IF FEASIBLE, PURCHASE FLOW COATER. IF NOT FEASIBLE, PLACE INTO BUDGET CONSIDERATIONS FOR FUTURE ACQUISITION AND RESEARCH LATEST TECHNOLOGIES FOR REDUCING EMISSIONS FROM CURRENT CHOPPER EQUIPMENT.	EARL'S FIBERGLASS, INC.	200535	3
STYRENE	REDUCE EMISSIONS OF STYRENE FROM RESIN THROUGH MATERIAL CHANGE.	REVIEW REDUCED STYRENE RESINS FOR SUITABILITY TO OUR APPLICATIONS. IF SUITABLE, REPLACE HIGHER STYRENE CONTENT RESINS WITH LOWER CONTENT RESINS. 6/2002: REDUCED USAGE OF 50% STYRENE RESIN BY SUBSTITUTING 47% STYRENE RESIN.	EARL'S FIBERGLASS, INC.	200535	4
STYRENE	REDUCE POTENTIAL POSSIBILITIES FOR LEAKS AND SPILLS IN CHEMICAL STORAGE AREA.	REVIEW THE FACILITY CONTAINER MANAGEMENT PROCESS TO ASSURE THE FOLLOWING IS BEING DONE: PROPER CONTAINER STORAGE, CONDUCT PERIODIC STORAGE AREA AND FACILITY WALK THROUGH TO REINFORCE TO EMPLOYEES THE NEED TO KEEP CONTAINERS CLOSED AT ALL TIMES EXCEPT WHEN ADDING OR REMOVING LIQUIDS; PREVENT OPEN CONTAINERS AND POORLY FITTING LIDS, LEAKING DRUMS, ASSURE PRIMARY AND SECONDARY CONTAINERS ARE LABELED, ETC.	FIBER FAB INC.	200707	1
STYRENE	REDUCE STYRENE EMISSIONS DURING RESIN APPLICATION.	PURCHASE ONE FLOW COATER SYSTEM TO BE USED TO REPLACE SOME USE OF THE CURRENT AEROSOL SPRAY SYSTEM.	FIBER FAB INC.	200707	2

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
STYRENE	REDUCE STYRENE EMISSIONS DURING RESIN APPLICATION.	IMPLEMENT A CONTROLLED SPRAY TRAINING PROGRAM FOR THE AEROSOL SPRAY SYSTEM. A. USE PROPER SPRAY EQUIPMENT SET UP AND CALIBRATION, B. IMPLEMENT SPRAY OPERATOR TRAINING, AND C. IMPLEMENT OVERSPRAY CONTAINMENT.	FIBER FAB INC.	200707	3
STYRENE	REDUCE STYRENE EMISSIONS.	REDUCE THE AMOUNT OF MATRIX MATERIALS USED IN THE POURING PROCESS, THUS REDUCING THE AMOUNT OF STYRENE EMISSIONS BY IMPROVING OPERATOR TRAINING.	HARTSON KENNEDY CABINET TOP COMPANY	200708	1
STYRENE RESIN	REDUCE BY 25% THE BASELINE AMOUNT OF STYRENE EMISSIONS ***INACTIVE FACILITY***	REPLACE THE ATOMIZING RESIN SPRAYER WITH A STEADY STREAM SPRAY SYSTEM TO MINIMIZE AIRBORNE STYRENE	J B RODGERS MECHANICAL CONTRACTOR, INC	200200	1
STYRENE	REDUCE STYRENE EMISSIONS IN GEL COAT PROCESS	RESEARCH ALTERNATIVE SPRAY TIPS FOR APPLICATION OF GEL COAT.	L & M LAMINATES AND MARBLE	200512	11
STYRENE	REDUCE STYRENE PERCENTAGE IN PRODUCTS	RESEARCH ALTERNATIVE FILL RATES TO DETERMINE IF LESS STYRENE MAY BE USED.	L & M LAMINATES AND MARBLE	200512	12
STYRENE	REDUCE STYRENE PERCENTAGE IN PRODUCTS.	CONTINUE TO RESEARCH ALTERNATIVES FOR TOXIC SUBSTANCES AND WASTES BY WORKING WITH VENDORS. RECAP PROGRESS MADE TOWARD RESEARCH ON REDUCTION ALTERNATIVES AND IF ANY FEASIBLE OPTIONS FOUND, REPORT ON THEM BY JULY 1.	L & M LAMINATES AND MARBLE	200512	5
STYRENE	REDUCE THE USE OF STYRENE BASED RESINS BY 20% AND REDUCE STYRENE AIR EMISSIONS.	(1) REPLACED STANDARD RESIN WITH A VAPOR SUPRESSED RESIN REDUCING EMISSION FACTOR FROM 11% TO 7%. (2) ADDED ALUMINA TRI-HYDRATE AS A BULK FILLER. (MODIFIED RAW MATERIAL INPUTS)	MAAX SPAS ARIZONA, INC.	200102	1
STYRENE	REDUCE STYRENE EMISSIONS.	INVESTIGATE AND RESEARCH THE USE OF POLYESTER RESIN WITH A LOWER STYRENE CONTENT AND THE FEASIBILITY OF INCORPORATING LOWER IT INTO OUR PROCESS. 08/06/2002: REDUCED STYRENE CONTENT OF POLYESTER RESIN FROM 42-43% TO 39%.	MAAX SPAS ARIZONA, INC.	200102	16
STYRENE	REDUCE VOC EMISSIONS OF STYRENE IN OUR CHOP GUN OPERATIONS.	INCREASE SPRAY TRANSFER EFFICIENCY THROUGH OPERATOR TRAINING FOR ALL CHOP GUN OPERATIONS BY IMPLEMENTING A CONTROLLED SPRAYING PROGRAM. NOTE: REDUCTION MEASUREMENT FOR THIS GOAL WILL BE INCLUDED IN GOAL #16 MEASUREMENT.	MAAX SPAS ARIZONA, INC.	200102	17
STYRENE	REDUCE VOC EMISSIONS OF STYRENE IN OUR CHOP GUN OPERATIONS.	INVESTIGATE, RESEARCH AND PURCHASE THREE FLOWCOATERS TO REPLACE OUR EXISTING AEROSOL RESIN SPRAY SYSTEMS. NOTE: REDUCTION MEASUREMENT FOR THIS GOAL WILL BE INCLUDED IN GOAL #16 MEASUREMENT.	MAAX SPAS ARIZONA, INC.	200102	18
STYRENE	REDUCE RESIN USAGE IN THE FRP SPRAY APPLICATION RESULTING IN REDUCED STYRENE EMISSIONS.	INSTALLED MONITORING ON THE FRP SPRAY APPLICATION EQUIPMENT TO FACILITATE BETTER CONTROL OF RESIN APPLICATION RATE AND MASS. THIS EQUIPMENT WILL MORE CLOSELY REGULATE FRP APPLICATION RATE AND MASS.	MAAX SPAS ARIZONA, INC.	200102	2
STYRENE	REDUCE STYRENE EMISSIONS CREATED DURING THE RE-INFORCING OF ACRYLIC SHELLS. (DROPPED GOAL 1/30/2000).	REPLACE CURRENT RESIN WITH AN ALTERNATIVE RESIN TYPE THAT WILL REDUCE STYRENE VOCs. 1. RESEARCH ALTERNATIVE RESINS, 2. CONTROL USAGE TO ASSURE CORRECT AMOUNTS ARE USED.	MAAX SPAS ARIZONA, INC.	200102	7
STYRENE	REDUCE EMISSIONS OF STYRENE BY 70%; ELIMINATE BATCHING AND COLOR ISSUES; REDUCE CONTAMINATION, BREAKAGE AND OVERPOURING.	INSTALL A COMPUTERIZED CASTING MACHINE AND VIBRATING TABLE: AJIS MODEL 7571 REINFORCED POLYESTER THERMOSET EXTRUDER. THIS UNIT ENCLOSES THE BATCHING PROCESS.	MARLAM INDUSTRIES, INC.	200532	1
STYRENE	REDUCE THE STYRENE CONTENT IN THE MARBLE RESIN AND GEL COAT.	REPLACE STYRENE WITH A LOWER STYRENE CONTENT RESIN AND GEL COAT.	MARLAM INDUSTRIES, INC.	200532	7
STYRENE	REDUCE STYRENE EMISSION IN HAND CASTING.	1. DO ONE OF THE FOLLOWING IN HAND MIXING AREA: A.PURCHASE AUTOMATED MIXING EQUIPMENT, OR B. PURCHASE AUTOMATED DISPENSING EQUIPMENT, OR C. 2.HEAT RESIN IN HAND MIXING AREA. 3. IMPROVE TRAINING OF HAND MIXER PERSONNEL	MESA FULLY FORMED	200241	10
STYRENE	REDUCE STYRENE EMISSIONS IN GEL COAT SPRAY PROCESS.	RESEARCH THE USE OF A LOWER STYRENE CONTENT GEL COAT. ADDED 9/2002 - EVALUATE IMPROVED SPRAY EQUIPMENT.	MESA FULLY FORMED	200241	19
STYRENE	CONTAIN AND CONTROL STYRENE EMISSIONS IN THE GELCOAT AREA.	INSTALL A GELCOAT SPRAY BOOTH TO CONTROL AND CONTAIN EMISSIONS.	MESA FULLY FORMED	200241	4
STYRENE	REDUCE EMISSIONS OF STYRENE IN THE SHOP AREA.	REPLACE CURRENTLY USED UNSUPPRESSED GELCOAT WITH SUPPRESSED GELCOAT WHICH RELEASES FEWER VOCs. CHANGED SPECIFIC REDUCTION METHOD TO WORK WITH SUPPLIER TO DEVELOP LOWER STYRENE CONTENT GELCOAT INSTEAD OF SUPPRESSED GELCOAT.	MESA FULLY FORMED	200241	8
STYRENE	REDUCE STYRENE EMISSIONS IN GEL COAT SPRAY PROCESS.	RESEARCH THE USE A LOWER STYRENE CONTENT GELCOAT.	MESA FULLY FORMED	200241	9
STYRENE	REDUCE VOCs (STYRENE EMISSIONS) IN THE AIR AND USE LESS PRODUCT.	PURCHASE NEW SPRAY EQUIPMENT (ON ORDER FOR PURCHASE IN 1997).	MOUNTAIN MARBLE MFG., INC.	200548	2

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
STYRENE	REDUCE STYRENE GEL COAT SPRAY EMISSIONS BY 15% BY IMPLEMENTING A CONTROLLED SPRAYING PROGRAM.	CONTROLLED SPRAYING ACTION PLAN INVOLVING SPRAY GUN PRESSURE CALIBRATION, OPERATOR TRAINING, AND OVERSPRAY CONTAINMENT FLANGES.	PATRICIAN MARBLE COMPANY, L.L.P.	200545	2
STYRENE	REDUCE STYRENE EMISSIONS VIA RAW MATERIAL SUBSTITUTION: BY 3/31/99 TOTALLY CHANGE OVER TO LOW-EMISSION STYRENE IN GEL COATING; BY 5/31/2000 TOTALLY CHANGE OVER TO LOW-EMISSION STYRENE FOR RESIN.	RESEARCH NEW ALTERNATIVES IN RAW MATERIALS AND MORE ADVANCED EQUIPMENT, TRAIN EMPLOYEES ON PROPER STYRENE APPLICATION METHODS	PENDA GLASSTITE WEST	200587	1
STYRENE	REDUCE STYRENE EMISSIONS FROM GEL COAT PRODUCTION.	REPLACE CURRENT GEL COATS WITH VAPOR SUPRESSED GEL COATS.	PENDA GLASSTITE WEST	200587	2
STYRENE	REDUCE STYRENE EMISSIONS FROM RESIN PRODUCTION.	REPLACE CURRENT RESINS WITH VAPOR SUPPRESSED RESINS.	PENDA GLASSTITE WEST	200587	3
STYRENE	REDUCE STYRENE EMISSIONS BY ROUGHLY 25% FROM FIBERGLASS CAP PRODUCTION.	REPLACE CURRENT CHOPPER GUNS WITH "FLOW-COATER" GUNS.	PENDA GLASSTITE WEST	200587	4
STYRENE	IMPROVE TRANSFER EFFICIENCY AND REDUCE STYRENE EMISSIONS.	IMPLEMENTATION OF CONTROLLED SPRAY TECHNIQUES.	PENDA GLASSTITE WEST	200587	6
STYRENE	REDUCE STYRENE EMISSIONS CREATED DURING MANUFACTURING PROCESS. 1) RESEARCH ALTERNATIVES BY 12/2001, 2) IMPLEMENT BEST ALTERNATIVES 12/2001 OR ASAP.	USE LATEST RESINS CONTAINING LOWER STYRENE CONTENT OR USE RESINS WITH MAXIMUM STYRENE VAPOR SUPPRESSANTS.	PRECISION MARBLE INC.	200605	1
STYRENE	REDUCE STYRENE EMISSIONS BY 5%.	CHANGE RESIN FORMULATION TO MEET CALIFORNIA RULE #1162.	SEA RAY BOATS, INC.	200334	1
STYRENE	REDUCE STYRENE EMISSIONS BY 5%.	COMPLETE TESTING OF PRECOATED BALSA.	SEA RAY BOATS, INC.	200334	2
STYRENE	REDUCE THE USEAGE OF STYRENE AND SYTRENE EMISSIONS BY 10%.	TRACK THE USE OF ALTERNATIVE MATERIALS FOR PRODUCTION OF SMALL PARTS. EXPAND USE OF FLOW COATERS AND MONITOR INDUSTRY FOR DEVELOPMENT OF MORE EFFICIENT SPRAY TIPS. INVESTIGATE USE OF CLOSED MOLDING FOR PRODUCTION OF SMALL PARTS	SEA RAY BOATS, INC.	200334	21
STYRENE	REDUCE STYRENE EMISSIONS FROM GEL COAT APPLICATION.	1. INVESTIGATE ALTERNATIVE APPLICATIONS INCLUDING: EXPANDING USE OF FLOWCOATERS FOR SKIN RESIN AND GEL COAT APPLICATION, THE USE OF PRESSURE FED ROLLERS AND CLOSED MOLD APPLICATIONS. 2. MONITOR INDUSTRY DEVELOPMENTS FOR HIGHER SOLIDS RESINS AND GEL COATS. 3. IMPROVE APPLICATION TECHNIQUES AND TRAINING TO REDUCE OVERSPRAY. 4. FURTHER INVESTIGATE ALTERNATIVE TRANSPORTATION AND STORAGE METHODS FOR GEL COATS TO ELIMINATE OR MINIMIZE DRUM HANDLING.	SEA RAY BOATS, INC.	200334	29
STYRENE	REDUCE STYRENE EMISSIONS BY 5% **GOAL DROPPED**	USE TOTES FOR HIGH USE GELCOATS TO ELININATE DRUMS TO BE RECONDITIONED.	SEA RAY BOATS, INC.	200334	3
STYRENE	REDUCE STYRENE EMISSIONS BY 5% **GOAL DROPPED**	USE PRESSURE FED ROLLERS TO APPLY RESIN.	SEA RAY BOATS, INC.	200334	4
STYRENE	REMOVE STYRENE EMISSIONS BY 5%	REMOVE UNDERGROUND STORAGE TANKS; BUILD ABOVE GROUND CONTAINMENT BUILDING; STOP USE OF DAY TANKS.	SEA RAY BOATS, INC.	200334	5
STYRENE	REDUCE STYRENE EMISSIONS BY 10%	INVESTIGATE OTHER PRODUCT (VAPOR SUPPRESSED RESIN) TO REPLACE RESIN; RESEARCH FASTER GEL TIMES. USE LOWER PRESSURE ON SPRAY GUNS. THERMOPLASTICS	SEA RAY BOATS, INC.	200334	6
STYRENE	REDUCE STYRENE USE AND EMISSIONS BY AN ADDITIONAL 10% ** GOAL DROPPED**	INVESTIGATE THE USE OF REUSABLE TOTES FROM SUPPLIER TO IMPROVE HANDLING.	SEA RAY BOATS, INC.	200334	7
STYRENE	REDUCE STYRENE USAGE AND EMISSIONS BY AN ADDITIONAL 10%	INVESTIGATE THE USE OF PRESSURE ROLLERS ON BIG BOAT HULLS, FLOW COATERS ON SMALL PARTS. DROPPED EVALUATE HIGH SOLIDS RESIN TECHNOLOGY.	SEA RAY BOATS, INC.	200334	8
STYRENE	REDUCE STYRENE EMISSIONS FROM PROCESS AREAS. (THIS GOAL WAS FROM THE ORIGINAL OWNERS CALLED MESA FIBERGLASS. SINCE FACILITY WAS SOLD, THIS GOAL NO LONGER HAS MEANING EVEN THOUGH IT WAS COMPLETED.)	SUBSTITUTE RESIN AND GEL COAT PRODUCTS WITH LOWER STYRENE CONCENTRATIONS WHEN POSSIBLE. IMPROVE EMPLOYEE TRAINING FOR MIXING POURING, CHECK EQUIPMENT DAILY, CLEAN SPILLS PROMPTLY AND INSTITUTE GOOD HOUSE KEEPING.	SOUTHWEST FIBERGLASS,LLC	200611	1
STYRENE	REDUCE THE POSSIBILITY FOR LEAKS AND SPILLS.	REDUCE POSSIBILITIES FOR LEAKS AND SPILLS. REVIEW THE FACILITY CONTAINER MANAGEMENT PROCESS TO ASSURE THE FOLLOWING IS BEING DONE: PROPER CONTAINER STORAGE, CONDUCT PERIODIC STORAGE AREA FACILITY WALK THROUGH TO REINFORCE TO EMPLOYEES THE NEED TO KEEP CONTAINERS CLOSED AT ALL TIMES EXCEPT WHEN ADDING OR REMOVING LIQUIDS; PREVENT OPEN CONTAINERS AND POORLY FITTING LIDS, LEAKING DRUMS; ASSURE PRIMARY AND SECONDARY CONTAINERS ARE LABELED.	SOUTHWEST FIBERGLASS,LLC	200611	2
STYRENE	REDUCE STYRENE EMISSIONS.	PURCHASE ONE FLOW COATER SYSTEM TO BE USED TO REPLACE SOME OF THE CURRENT AEROSOL SPRAYING OF RESIN.	SOUTHWEST FIBERGLASS,LLC	200611	3

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
STYRENE	ELIMINATE DRIPS, SPILLS AND RELATED FUGITIVE EVAPORATION IN THE CHEMICAL STORAGE AREAS BY 15% PER YEAR IN CHEMICAL STORAGE.	IMPLEMENT SPILL, DRIP, AND FUGITIVE EVAPORATION REDUCTION TRAINING THROUGH P2 TRAINING AND ENFORCEMENT.	THE LARSON COMPANY	200215	18
STYRENE	REDUCE STYRENE EMISSIONS IN FIBERGLASS AND RESIN APPLICATION.	ATTEMPT TO USE RESIN CONTAINING LESS STYRENE BY WORKING WITH CLIENTS TO GET THEIR APPROVAL TO USE LOWER STYRENE RESINS.	THE LARSON COMPANY	200215	19
STYRENE	REDUCE STYRENE (A PETROLEUM BASE MATERIAL) EXPOSURE PPM BY 50%	TEST AIR WEEKLY/MONTHLY: ASSIGN PERSON TO MONITOR INCOMING AIR; PERSONS NOT IN AIR FLOW MUST USE RESPIRATORS	THE LARSON COMPANY	200215	2
STYRENE	RESIN SPRAY APPLICATION: REDUCE STYRENE EMISSIONS.	RESEARCH AND DEVELOPMENT EFFORT TO FIND ALTERNATIVE SPRAY EQUIPMENT OR METHODS THAT WILL REDUCE THE ATOMIZATION OF RESIN AND STYRENE.	THE LARSON COMPANY	200215	23
STYRENE	H2 ROOM STYRENE BUILDING 1601: REDUCE STYRENE FUGITIVE EMISSIONS FROM HAND LAYUP PROCESS.	KEEP LIDS ON SMALL QUANTITIES OF RESIN BEING USED FOR HAND LAYUP. TRAIN EMPLOYEES TO REDUCE FUGITIVE EMISSIONS. GIVE LIDS FOR SMALL CANS TO BE COVERED.	THE LARSON COMPANY	200215	6
STYRENE	H2 ROOM STYRENE BUILDING 1601: REDUCE FUGITIVE STYRENE AIR EMISSIONS.	INCREASE HUMIDITY TO SUPRESS FUGITIVE AIR EMISSIONS. IN THE H2 ROOM, RUN WATER IN THE EVAPORATIVE COOLERS YEAR ROUND.	THE LARSON COMPANY	200215	7
STYRENE	H2 ROOM STYRENE BUILDING 1601: SUBSTITUTE ANOTHER SOLVENT FOR STYRENE.	R&D ANOTHER MATERIAL TO TAKE THE PLACE OF STYRENE.	THE LARSON COMPANY	200215	8
STYRENE	REDUCE STYRENE EMISSIONS.	INSTITUTE GOOD HOUSEKEEPING MEASURES. IMPROVE EMPLOYEE TRAINING, ESPECIALLY AT THE POURING PROCESS. INVESTIGATE USE OF LOWER STYRENE CONTAINING RESINS. INVESTIGATE THE USE OF A STYRENE SCAVENGER.	TRENWYTH INDUSTRIES	200676	2
STYRENE	REDUCE STYRENE EMISSIONS RELEASED DURING THE MANUFACTURING PROCESS BY 15%	REPLACE STYRENE CONTENT RESIN WITH LOW STYRENE RESIN OR ADD A STYRENE SUPPRESSANT TO CURRENT RESIN.	TUCSON OUTSTANDING PRODUCTS	200559	1
STYRENE	REDUCE WASTE MATRIX (STYRENE EMISSIONS) FROM THE POURING PROCESS BY 10%	INCREASE TRAINING FOR BETTER HOUSEKEEPING MEASURE; ENSURE EMPLOYEES START WITH PROPER WEIGHTS; DEVELOP CROSS CHECK SYSTEM TO ENSURE SPILLS AND OVERPOURS ARE CLEANED UP PROPERLY.	TUCSON OUTSTANDING PRODUCTS	200559	2
STYRENE	REDUCE STYRENE EMISSIONS FROM OVERPOURING CULTURED MARBLE MATRIX.	TRAIN PRODUCTION PERSONNEL ON HOW TO PUT THE RIGHT AMOUNT OF MATRIX IN MOLDS.	ULTRA INSTALLATIONS, INC	200413	11
STYRENE	REDUCE STYRENE EMISSIONS BY REDUCING AMOUNT OF MATRIX POURED INTO MOLDS.	USE A DEVISE TO DISPLACE THE AMOUNT OF MATRIX POURED INTO MOLDS.	ULTRA INSTALLATIONS, INC	200413	12
STYRENE	REDUCE STYRENE EMISSIONS DURING GELCOAT SPRAY PROCESS.	DEVELOP AN ANNUAL TRAINING PROGRAM UTILIZING TECHNIQUES THAT WOULD ENCOURAGE PERSONNEL TO SPRAY GELCOAT IN A MORE EFFICIENT MANNER.	ULTRA INSTALLATIONS, INC	200413	13
STYRENE	REDUCE STYRENE EMISSIONS DURING GELCOAT SPRAY PROCESS.	WORK WITH VENDOR TO REDUCE GELCOAT STYRENE CONTENT AND TEST IN PRACTICAL PRODUCTION ENVIRONMENT.	ULTRA INSTALLATIONS, INC	200413	14
STYRENE	REDUCE THE AMOUNT OF STYRENE EMISSIONS EMITTED DURING THE CULTURED MARBLE MANUFACTURING PROCESS BY 5%.	USE LIGHT WEIGH FILLER	ULTRA INSTALLATIONS, INC	200413	2
STYRENE	REDUCE STYRENE EMISSIONS CREATED DURING THE CULTURED MARBLE PRODUCTION PROCESS	PURCHASE HEAT TUNNEL TO CURE GELCOAT MORE QUICKLY	ULTRA INSTALLATIONS, INC	200413	3
STYRENE	REDUCE STYRENE EMISSIONS CREATED DURING THE CULTURED MARBLE PRODUCTION PROCESS.	COVER 5 GALLON BUCKETS DURING TRANSFER OF RESIN FROM 3200 LBS TOTE BIN TO CEMENT MIXERS WHEN MIXED WITH FILLER.	ULTRA INSTALLATIONS, INC	200413	4
STYRENE	REDUCE STYRENE EMISSIONS CREATED DURING THE CULTURED MARBLE PRODUCTION PROCESS. ACTION PLAN 1: GET BID FOR "BATCH MASTER". ACTION PLAN 2: PURCHASE AND INSTALL BY YEAR END 1997.	PURCHASE OF A "BATCH MASTER" RESIN PUMP ALLOWING RESIN TO BE PUMPED DIRECTLY INTO MIXERS FROM 3200 LBS TOTE BIN ELIMINATING USE OF 5 GALLON BUCKETS USED DURING TRANSFER.	ULTRA INSTALLATIONS, INC	200413	5
STYRENE	REDUCE SYTRENE EMISSIONS CREATED DURING THE CULTURED MARBLE PRODUCTION PROCESS.	CONTINUED USE OF SPRAY GEL SYSTEM WITH BOOTH. PROPER MAINTENANCE OF FILTERS IN BOOTH INCLUDING PRE-FILTER USE.	ULTRA INSTALLATIONS, INC	200413	6
STYRENE	REDUCE SYTRENE EMISSIONS CREATED DURING THE CULTURED MARBLE PRODUCTION PROCESS.	INSTITUTE GOOD HOUSEKEEPING MEASURES. ENSURE THAT ANY SPILLS ARE CLEANED UP PROMPTLY. IMPROVE EMPLOYEE TRAINING ESPECIALLY ON MIXING AND POURING PROCESS.	ULTRA INSTALLATIONS, INC	200413	7
STYROFOAM PEANUTS	REDUCE SOLID WASTE POSSIBILITIES INCLUDE FIBER-GLASS TRIMMINGS & SCRAP; PACKAGING PEANUTS; OFFICE WASTE. ** GOAL DROPPED **	USING SHREDDED OFFICE PAPER IN LIEU OF STYROFOAM PEANUTS FOR PACKAGING FIBERGLASS TRIMMINGS MAY BE GROUND AND REUSED AS RAW MATERIAL IN SPA PRODUCTS	BAJA PRODUCTS, LTD	200066	3
STYROFOAM PEANUTS	ELIMINATE THE NEED TO PURCHASE STYROFOAM "PEANUT" PACKAGING MATERIAL	USE SHREDDED SCRAP PAPER TO REPLACE STYROFOAM PEANUT PACKAGING	SOUTHWEST CIRCUITS INC.	200343	11
SULFIDES	REDUCE THE USE OF SULFITE SOLUTIONS IN THE BOILER STEAM SYSTEM	REDUCE THE USE OF SULFITE SOLUTION BY BY MODIFYING THE INJECTION POINT OF THE SULFITE IN THE BOILER SYSTEM SO THAT THE CHEMICAL IS USED MORE EFFECTIVELY WITH LESS WASTE.	SCHREIBER FOODS, INC.	200529	18

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
SULFIDES	REDUCE WASTE WATER TREATMENT FACILITY EXCEEDANCE FOR SULFIDES.	SULFIDES: UPGRADE SEWER SYSTEM INFLUENT SYPHON; STUDY SUBMERGED SEWER SECTIONS; REPLACE EXISTING LIFT STATION AND ADD ONE.	U.S.A.F. - LUKE	200409	15
SULFUR OXIDES	INVESTIGATE TO DETERMINE IF ALTERNATE ENERGY SOURCES (COGENERATION) CAN RESULT IN LOWER EMISSIONS OF NOX, SOX, CO2.	REPLACE SELF-GENERATED AND PURCHASED UTILITIES (STEAM, HOT WATER, ELECTRICITY) WITH UTILITIES GENERATED FROM A COGENERATION FACILITY WHICH WILL HAVE A BETTER EFFICIENCY.	ABBOTT LABORATORIES	200326	11
SULFUR DIOXIDE	REDUCE PARTICULATE AND SO2 FUGITIVE EMISSIONS FROM THE FURNACE AND CONVERTERS BY 40%.	REPLACE PROCESS AND POLLUTION CONTROL EQUIPMENT IN THE FURNACE OFF-GAS DRY HANDLING SYSTEM WITH NEW AND IMPROVED WET PROCESS AND POLLUTION CONTROL EQUIPMENT	ASARCO RAY COMPLEX/HAYDEN SMELTER & CONCENTRATOR	200046	8
SULFUR DIOXIDE	REDUCE SULFUR DIOXIDE EMISSIONS FROM THE CONVERTERS BY 5%.	INSTALL AND TEST A NEWLY DESIGNED PRIMARY HOOD DOOR. THE NEW DESIGN SHOULD IMPROVE THE SEAL BETWEEN THE DOOR AND THE PRIMARY HOOD.	ASARCO RAY COMPLEX/HAYDEN SMELTER & CONCENTRATOR	200046	9
SULFUR DIOXIDE	ELIMINATE USE OF SULFUR DIOXIDE AS A METHOD OF DECHLORINATION AT THE CORGETT FACILITY.	RESEARCH OZONIZATION AND UV AS ALTERNATIVES TO CHLORINE GAS, WHICH WOULD ALLOW CHANGE FROM CURRENT DISINFECTION METHOD.	GOODYEAR, CITY OF	200645	3
SULFUR DIOXIDE	REPLACE SULFUR DIOXIDE WITH SULFIDE IN WASTE WATER TREATMENT OF CHROME FROM ETCHING PROCESS.	UPGRADE CONTROLS FOR SULFIDE INJECTION: INSTALL PIPING AND PUMPS	HEXCEL CORPORATION	200464	6
SULFUR DIOXIDE	8.O.G: INVESTIGATE OPPORTUNITIES TO REDUCE THE AMOUNT OF DIE LUBE, HYDRAULIC FLUID AND SULPHUR DIOXIDE WASTE IN THE DIE CAST OPERATION	COMPLETE AN INVESTIGATION TO: REPLACE BOTTLED SULFUR DIOXIDE WITH SULFUR HEXAFLUORIDE; RECYCLE & REUSE HYDRAULIC OILS; RECYCLE EXCESS DIE LUBE	MCCULLOCH CORP (LAKE HAVASU)	200234	7
SULFUR HEXAFLUORIDE	REDUCE PER-FLUORINATED COMPOUNDS USED IN THE CATHODE PHOTO AND ETCH BAYS BY RECOVERY METHODS. ACTION PLAN IS TO PERFORM FEASIBILITY STUDY.	CONDUCT FEASIBILITY STUDY	MOTOROLA - RESEARCH DIV	200609	5
SULFUR OXIDES	REDUCE VEHICLE EMISSIONS FROM YARD VEHICLES 1) OBTAIN VARIOUS FUEL ADDITIVE PRODUCTS 12/31/1998 2) CONDUCT TRIALS TO EVALUATE EFFICIENCY 6/30/1999 3) DETERMINE IF IMPLEMENTATION IS APPROPRIATE 12/31/1999 4) INSTITUTE PROCEDURE 12/31/1999.	ADD FUEL ADDITIVE TO FUEL IN YARD VEHICLE TO REDUCE EMISSIONS. WE BEGAN USING DIESEL OIL SUPPLEMENT, POWER SERVICE GAS FUEL SYSTEM CLEANER AND DIESEL KLEEN. THIS PRODUCT IMPROVES FUEL MILEAGE, REDUCES EXHAUST SMOKE AND CLEANS INJECTORS.	NORTH STAR STEEL ARIZONA	200615	9
SULFUR DIOXIDE	REDUCE OR ELIMINATE SULFUR DIOXIDE WITH A SAFER ALTERNATIVE.	REPLACE SULFUR DIOXIDE WITH SODIUM BISULFATE.	PRESTO CASTING COMPANY	200299	4
SULFUR OXIDES, VOCS	REDUCE SOx AND VOC EMISSIONS FROM TORCH CUTTING AND HEATING PROCESSES.	REPLACE NATURAL GAS USED AS A CUTTING FUEL GAS WITH PROPYLENE IN SMALL CYLINDERS. PROPYLENE HAS A HIGHER ENERGY CONTENT (2,371 BTU/GAL COMPARED TO 1,000 BTU/GAL FOR NATURAL GAS). CUTTING SPEED IS ALSO INCREASED USING PROPYLENE. LESS GAS WILL BE CONSUMED DURING CUTTING, THEREBY REDUCING EMISSIONS. EMISSIONS WILL ALSO BE REDUCED BY ELIMINATING LOSSES TO LEAKS IN THE NATURAL GAS DELIVERY SYSTEM. USING GASES IN BULK AND CYLINDERS WILL MAKE TRACKING INVENTORY, EFFICIENCY, AND THROUGHPUT EASIER AND MORE ACCURATE.	SCHUFF STEEL COMPANY-GILBERT	200681	2
SULFURIC ACID	REDUCE QUANTITY OF SULFURIC ACID SHIPPED OFF-SITE DUE TO EXPIRED SHELF LIFE, THUS REDUCING HAZARDOUS WASTE AND EXCESS COST.	INVESTIGATE ALTERNATE WAYS OF BUYING SULFURIC ACID TO REDUCE TOTAL AMOUNT STORED ON-SITE BASED ON HISTORY OF MATERIAL USAGE IN PRODUCTION (I.E. BUY IN SMALLER QUANTITIES)	ACME ELECTRIC CORP. AEROSPACE DIVISION	200482	16
SULFURIC ACID	REDUCE ACID WASTE BY IMPROVED QA/QC. ACTION PLAN: 1. RESEARCH ALTERNATIVES. 2. TEST SEVERAL ON SMALL SCALE. 3. IMPLEMENT BEST ALTERNATIVE.	IMPROVE PROCESS SO THAT FEWER PIECES ARE REPROCESSED.	ARIZONA GALVANIZING, INC.	200569	1
SULFURIC ACID	REDUCE ACID USE BY PROCESS MODIFICATION	USE CLEAN UNGALVANIZED HANGERS AND BASKETS TO DIP STEEL PIECES INTO THE ACID PICKLING TANK.	ARIZONA GALVANIZING, INC.	200569	2
SULFURIC ACID	REDUCE/ ELIMINATE LEAKS AND SPILLS OF SULFURIC ACID FROM PIPING HAVING NO SECONDARY CONTAINMENT IN ACID PLANT OVERHEAD SULFURIC ACID PIPING.	DEVELOP A PREVENTIVE MAINTENANCE AND HOUSEKEEPING PLAN (INCLUDING VISUAL INSPECTIONS) OF OVERHEAD PIPING AND STORAGE TANKS	ASARCO RAY COMPLEX/HAYDEN SMELTER & CONCENTRATOR	200046	2
SULFURIC ACID	REDUCE POTENTIAL FOR SPILLS REACHING ENVIRONMENT FOR LARGEST EXISTING TANK IN ACID PLANT, DRYING TOWER AREA, ETC.	CONSTRUCT CONCRETE CONTAINMENTS SIZED FOR THE SINGLE LARGEST TANK.	ASARCO RAY COMPLEX/HAYDEN SMELTER & CONCENTRATOR	200046	3
SULFURIC ACID	REDUCE SPILLS/ LEAKS (PREVENTION) FOR SEVERAL ACID PLANT STORAGE TANKS.	CONSTRUCT CONCRETE CONTAINMENTS AROUND TANKS TO CONFINE AND RECIRCULATE SPILLS AND LEAKS	ASARCO RAY COMPLEX/HAYDEN SMELTER & CONCENTRATOR	200046	4
SULFURIC ACID	REDUCE/ ELIMINATE DISCHARGE OF SULFURIC ACID DURING RAILCAR LOADING.	REPAIR AND IMPROVE SECONDARY CONCRETE CONTAINMENT AND SUMP TO CONFINE AND RECIRCULATE SPILLS AND LEAKS	ASARCO RAY COMPLEX/HAYDEN SMELTER & CONCENTRATOR	200046	5
SULFURIC ACID	REDUCE USE OF SULFURIC ACID.	IMPLEMENT PROCEDURAL CHANGE FOR PRECIPITATING ALUMINUM. EXTEND BATH LIFE BY REGENERATION WITH IN-SITU FILTRATION.	ASTROPLATE INCORPORATED	200051	3
SULFURIC ACID	REDUCE SOLUTION LOSS DURING LOAD TRANSFERS 1) DETERMINE QUANTITY AND DIMENSIONS 10/1/1998 2) BEGIN FABRICATION 12/1/1998 3) INSTALL 3/1/1999.	INSTALL DRIP TRAYS BETWEEN ANODIZING PROCESS TANKS	AZ PLATING & ANODIZING CO	200062	12

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
SULFURIC ACID	REDUCE DRAG OUT AND DRAG IN DURING LOAD TRANSFER 1) COMPLETE EVALUATION 1/1/1999 2) PURCHASE EQUIPMENT AND MATERIAL 4/1/1999 3) IMPLEMENT NEW LAYOUT 7/1/1999.	MODIFY TANK LAYOUT IN ANODIZING AREA	AZ PLATING & ANODIZING CO	200062	13
SULFURIC ACID	REDUCE USE OF SULFURIC ACID IN THE ANODIZING PROCESS AND REDUCE THE TOXICITY OF THE WASTE.	MAINTAIN CONCENTRATION OF SULFURIC ACID ANODIZING BATH AT 15% INSTEAD OF THE 15-18% RANGE.	AZ PLATING & ANODIZING CO	200062	4
SULFURIC ACID	ELIMINATE USE OF SODIUM HYDROXIDE AND REDUCE USE OF SULFURIC ACID USED TO BACK WASH RESIN BEDS.	REPLACE DOUBLE ION EXCHANGE RESIN SYSTEM WITH REVERSE OSMOSIS WATER PURIFICATION SYSTEM.	BELDEN COMMUNICATIONS DIVISION	200052	3
SULFURIC ACID	ELIMINATE THE USE OF 40% SULFURIC ACID AT THE CROSSFLOW INDUCED-DRAFT PROCESS WATER COOLING TOWER (FACILITY SYSTEMS).	A. DESIGN, PURCHASE & INSTALL LIQUEFIED CARBON DIOXIDE (LCD) INJECTION WATER PURIFICATION SYSTEM. B. PROVE IN LCD C. CONVERT & CUT OVER MANUFACTURING PROCESSES & HVAC SYSTEMS TO LCD INJECTION H2O PURIFICATION SYSTEM	BELDEN COMMUNICATIONS DIVISION	200052	5
SULFURIC ACID	CONSTRUCT 2 IMPERVIOUS SECONDARY CONTAINMENT STRUCTURES AT FUEL STATIONS AND CHEMICAL STORAGE TANKS BY 1999.	CONSTRUCTION OF CONCRETE, WATER STOPPED, IMPERVIOUS SECONDARY CONTAINMENT STRUCTURES. THE CONSTRUCTION OF THREE CONCRETE SECONDARY CONTAINMENT STRUCTURES WAS INITIATED IN CALENDAR YEAR 1998 AND COMPLETED EARLY IN CALENDAR YEAR 1999. THE THREE STRUCTURES WERE AS FOLLOWS: 1. SODIUM HYDROSULFIDE TANK AT MILL. 2. SODIUM CYANIDE TANKS AT MILL. 3. SULFURIC ACID TANK AT POWERHOUSE COOLING TOWER.	BHP COPPER, SAN MANUEL SMELTING AND REFINING	200226	14
SULFURIC ACID	REDUCE THE AMOUNT OF 93% SULFURIC ACID USED IN THE TREATMENT OF CHROME PLATING BATHS.	BY REDESIGNING HOW THE MTD CHROME PLATING PROCESS IS DONE IN ORDER TO IMPROVE YIELDS AND REDUCE REWORK, SUBSEQUENTLY REDUCING THE FREQUENCY OF CHROME BATH TREATMENTS FOR IMPURITIES.	CHEM RESEARCH CO	200085	22
SULFURIC ACID	REDUCE OFFSITE TREATMENT OF MICRO-ETCH WASTE	INSTALL A NEW MICRO-ETCH SYSTEM THAT REMOVES COPPER FROM THE BATH BY CRYSTALLIZATION	CIRCUIT EXPRESS, INC.	200097	1
SULFURIC ACID	REDUCE THE USE OF WATER BY 50%. - INVESTIGATE USE OF AIR VALVES 6/30/98 (C) - INVESTIGAT POINT SOURCE TREATMENT 1/31/99 (D, 9/15/99) - TRIAL THE POINT SOURCE 3/31/99 (D, 11/30/99) - TRIAL RECIRCULATING RINSES 5/30/99 (D, 1/30/00) EXPAND TRIAL AND EVALUATE RESULTS 8/31/99 (D, 4/30/00)	EVALUATE THE RECYCLING OF WASTEWATER ONSITE. REFER TO 1998 AMENDMENT WHICH OUTLINES ACTION PLAN FOR GOAL ACCOMPLISHMENT.	CIRCUIT EXPRESS, INC.	200097	4
SULFURIC ACID	REDUCE USE OF SULFURIC ACID IN WASTE WATER TREATMENT	REPLACE SULFURIC ACID WITH CARBON DIOXIDE FOR pH ADJUSTMENT	COCA-COLA BOTTLING CO.-TEMPE	200101	16
SULFURIC ACID	8.2.4 #1: REDUCE PURCHASE OF NEW SULFURIC ACID TO REGENERATE WASTE TREATMENT ION EXCHANGE COLUMNS. **DROPPED**	EVALUATE USE OF WWTF ELECTROWIN EFFLUENT TO REGENERATE ION EXCHANGE COLUMNS, USE FOR BATCH TREATMENT, OR USE FOR SCRUBBER pH CONTROL ** GOAL DROPPED **	CONTINENTIAL CIRCUITS	200105	5
SULFURIC ACID	8.2.6 #1: REDUCE BY 10% THE AMOUNT OF SULFURIC ACID AND BACK WASH WATER FROM THE ION EXCHANGE REGENERATION (BUILDINGS A,C). FIND A MORE EFFICIENT MEANS OF REGENERATING ION EXCHANGE COLUMNS.	PROCESS MODIFICATION: FIND A MORE EFFICIENT MEANS OF REGENERATING ION EXCHANGE COLUMNS. CONDUCT TESTS TO DETERMINE WAYS TO REDUCE THE AMOUNT OF SULFURIC ACID AND BACKWASH WATER USED, WHILE MAINTAINING THE SAME EFFICIENCY	CONTINENTIAL CIRCUITS	200105	7
SULFURIC ACID	8.2.7 #1: REDUCE PURCHASE AND TREATMENT OF THE 10% SULFURIC ACID DIP/RINSE USED IN A PATTERN LINE PLATING PROCESS AND SENT TO WWTF (BUILDINGS A,B) DROPPED BECAUSE QUALITY CONTROL PROVED TOO DIFFICULT.	PROCESS MODIFICATION: EVALUATE THIS WASTE STREAM FOR POSSIBLE USE IN REGENERATING THE WWTF ION EXCHANGE COLUMNS USED FOR COPPER REMOVAL- SEE GOAL #5	CONTINENTIAL CIRCUITS	200105	8
SULFURIC ACID	ELIMINATE THE USE OF SULFURIC ACID FROM THE CLEANING PROCESS.	RESEARCH THE FEASIBILITY OF CONTRACTING THE CLEANING PROCESS WITH AN OFFSITE VENDOR.	DOLPHIN, INCORPORATED	200125	15
SULFURIC ACID FUMES	EMISSIONS RECOVERY: MINIMIZE SULFURIC ACID FUMES EXITING THE STORAGE TANK VENT DURING SOLAR HEATING OF TANK	INVESTIGATE POSSIBLE MEANS FOR REMOVAL OF FUMES/ODOR; INSTALL BATH WITH SATURATED SOLUTION OF SODA ASH TO NEUTRALIZE ACID MIST.	GRIFFIN CORP.-CASA GRANDE, AZ.	200212	1
SULFURIC ACID	ELIMINATE SPILLAGE OF SULFURIC ACID FROM DELIVERY TRUCK WASHDOWN AND EMERGENCY SHOWER STATION	INSTALL A CONCRETE COLLECTTION SLAB IN THE ACID UNLOADING AREA WHICH IS PUMPED TO THE LEACH CIRCUIT	GRIFFIN CORP.-CASA GRANDE, AZ.	200212	2
SULFURIC ACID	CONSUMPTION: REDUCE BY 5% THE LBS OF SULFURIC ACID CONSUMED PER LB OF PRODUCT SHIPPED FROM .497 LBS/LB (1991) IN COPPER MANUFACTURING	INVESTIGATE LOWERING THE SULFATE ION BELOW 200 GPL BY INSTALLING INSTRUMENTATION TO MONITOR THE ION AND ADD ACID AUTOMATICALLY **INACTIVE FACILITY***	GRIFFIN CORP.-CASA GRANDE, AZ.	200212	3
SULFURIC ACID	ADD 20,000 GAL CAPACITY CONTAINMENT SUMP FOR THE TWO 10,000 GAL SULFURIC ACID TANKS IN CASE OF TANK BREACH	ADD CONCRETE PAD AND 4 FT HIGH WALL AROUND PERIMETER	GRIFFIN CORP.-CASA GRANDE, AZ.	200212	6

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
SULFURIC ACID	EVALUATE FOR POSSIBLE REDUCTION IN BATH DUMP FREQUENCIES FOR SULFURIC ACID USED AS AN ETCHANT IN WAFER FABRICATION ** GOAL DROPPED **	EVALUATE BATH DUMP FREQUENCY TO DETERMINE IF BATH LIFE CAN BE EXTENDED AND BY HOW MUCH BASED ON PROCESS QUALIFICATION	INTEL CORP.- CHANDLER CAMPUS	200191	6
SULFURIC ACID	ELIMINATE THE USE OF A SULFURIC/NITRIC ACID MIXTURE USED TO CLEAN AND MACHINE METAL CHIPS	REDUCE PROCESSING TIME; REPLACE WITH A STRAIGHT 70% NITRIC ACID	JOHNS MANVILLE INTERNATIONAL INC.	200227	6
SULFURIC ACID ANODIZE	REDUCE SODIUM HYDROXIDE AND SULFURIC ACID MAKEUP BY PREVENTING ALUMINUM CONTAMINATION IN THE ETCH, DESMUTT AND ANODIZE TANKS	SWITCHING ANODIZE SPLINES AND TIERS TO TITANIUM FROM ALUMINUM RACKS **DROPPED** INCONCLUSIVE	METCO METAL FINISHING - PHOENIX	200451	6
SULFURIC ACID	REDUCE USE OF SULFURIC ACID IN VARIOUS AREAS TO BELOW THRESHOLDS	EVALUATE/INCORPORATE ION EXCHANGE TECHNOLOGY IN WASTE TREATMENT AREA; TRACK DATA AND ADDITION QUANTITIES WITH EMPHASIS ON DUMPS AND REMAKES	MICOM CIRCUITS WEST	200245	2
SULFURIC PEROXIDE	PHOTORESIST STRIP (PLASMA ASHING): REDUCE THE MOUNT OF PHOTORESIST REMOVAL SOLUTION (BATHS) CONTAINING SULFURIC PEROXIDE, SULFURIC ACID AND HYDROGEN PEROXIDE	EVALUATE THE FEASIBILITY OF REPLACING THE PHOTORESIST REMOVAL BATHS BY OXIDIZING THE WAFER SURFACE WITH IN AN RF-INDUCED PLASMA (PLASMA ASHING)	MICROCHIP TECHNOLOGY-CHANDLER	200247	10
SULFURIC ACID	REDUCE THE QUANITY OF SULFURIC ACID REQUIRED FOR NEUTRALIZATION	INSTALL AN EQUALIZATION TANK IN LINE WITH THE ENCLOSED NEUTRALIZATION SYSTEM; METER ACID INTO SYSTEM TO REDUCE DEMAND	MICROSEMI CORP.	200246	8
SULFURIC ACID	ELIMINATE THE USE OF SULFURIC ACID IN THE WASTE WATER TREATMENT PROCESS THAT WAS USED TO LOWER pH TO 3 IN CIRCUIT BOARD MANUFACTURING.	ELIMINATE THE NEED FOR SULFURIC ACID IN WASTE WATER TREATMENT. CHANGE THE PROCESS. WILL REPLACE A COPRECIPITATION PROCESS WITH A SULFIDE PRECIPITATION PROCESS WHICH HAS NO NEED TO LOWER pH OF WATER BEING TREATED.	MOSAIC PRINTED CIRCUITS, LLC. (QUALITY PRINTED CIRCUITS)	200513	1
SULFURIC ACID	ELIMINATE THE USE OF SODIUM HYDROXIDE TO RAISE THE pH TO 9 IN THE WASTE WATER TREATMENT PROCESS TO TREAT METALS FROM CIRCUIT BOARD MANUFACTURING	REPLACED SODIUM HYDROXIDE (WHICH WAS MANAGED AS A D002 HAZARDOUS WASTE) WITH MAGNESIUM HYDROXIDE WHICH IS LESS HAZARDOUS	MOSAIC PRINTED CIRCUITS, LLC. (QUALITY PRINTED CIRCUITS)	200513	2
SULFURIC ACID	8.10 REUSE OF WASTE "PIRANHA" CHEMICALS (SULFURIC ACID & HYDROGEN PEROXIDE) (ABOUT 4300 GPW)	1) REUSE SULFURIC ACID AS pH CONTROL IN WASTEWATER TREATMENT PLANT (600 GPW), 2) ADD PLUMBING TO THE HVAC COOLING TOWERS (500 GPW), 3) ADD PLUMBING TO THE AMMONIA SCRUBBERS (2100 GPW), 4) SCOPE AND DESIGN TO THE DI PLANT FOR REUSE OF SULFURIC ACID (ABOUT 1100 GPW)	MOTOROLA - CHANDLER	200254	10
SULFURIC ACID	ELIMINATE OR MINIMIZE PHOTORESIST STRIPPER USE.	EVALUATE BATH LIFE EXTENSION OPTIMIZE EXISTING ASHER CLEAN PROCESS AND ELIMINATE THE ACID CLEAN PROCESS.	MOTOROLA SCG	200253	17
SULFURIC ACID	REDUCE USE OF SULFURIC ACID, HYDROCHLORIC ACID AND SODIUM HYDROXIDE	REDUCE USE OF GROUNDWATER THROUGHOUT THE PLANT WHICH REQUIRES GREATER FREQUENCY IN REGENERATING RESINS FOR DE-IONIZED WATER	MOTOROLA SCG	200253	21
SULFURIC ACID	REDUCE THE AMOUNT OF ACID BATH USED TO CLEAN THE SILICON INGOTS.	USE ANOTHER CLEANING BATH WITHIN THE PLANT THAT IS UNDERUTILIZED	MOTOROLA SCG	200253	24
SULFURIC ACID	REDUCE ACIDS USED IN WAFER CLEANING PROCESS	EXPERIMENT CONSOLIDATION AND ELIMINATION OF CLEANS ON TEST WAFERS, QUALIFY NEW PROCESS AND IMPLEMENT PROCESS CHANGES	MOTOROLA SCG	200253	26
SULFURIC ACID	(MEMS1 PROJ. #M4) REDUCE AMOUNT OF SULFURIC ACID USED PER WAFER IN PHOTORESIST STRIPPING PROCESSES BY INCREASING THE BATH TEMPERATURE, THEREBY REDUCING THE AMOUNT OF TIME WAFERS ARE EXPOSED TO SULFURIC ACID. NOTE: THE PRODUCTION GROUP (PREVIOUSLY CALLED MEMS1, NOW CALLED MOS5 WEST) IS MOVING TO ANOTHER MOTOROLA FACILITY.	EXPERIMENT WITH VARIOUS BATH TEMPERATURES TO DETERMINE THE OPTIMAL TEMPERATURE WHICH RESULTS IN A DECREASED PROCESSING TIME PER WAFER. DESIGN AND INSTALL ANY EQUIPMENT MODIFICATIONS NEEDED. CONDUCT EXPERIMENTS ON PRODUCT. QUALIFY PRODUCT FOR CUSTOMERS. CONVERT TO NEW ETCHING PROCESS.	MOTOROLA SCG	200253	40
SULFURIC ACID / ACETONE	AREA C-1:REDUCE THE ACIDS AND SOLVENTS USED IN THE WAFER MOUNT DEFINITION PROCESS SEQUENCE (PHOTORESIST COAT, DEVELOP, ETCH, PHOTORESIST STRIP & CLEAN PROCESSES)	RESEARCH POSSIBILITY TO ELIMINATE WAFER PROCESS STEPS OF PHOTORESIST COAT, DEVELOP, ETCH, PHOTORESIST STRIP, AND CLEAN	MOTOROLA SCG	200253	8
SULFURIC ACID	REDUCE THE AMOUNT OF EP4000 SOLUTION THAT LEAVES THE TANK (DRAGOUT) BY 25%.	IMPLEMENT A CHANGEOUT IN PARTS RACKING AND TRAIN OPERATORS IN PROPER RACKING, HANDLING AND RINSING TECHNIQUES TO REDUCE DRAGOUT.	OTI METAL FINISHING	200689	1
SULFURIC ACID	REDUCE THE USE OF EP4000 SOLUTION.	COST OUT TANK, HEATER, FILTERS, AND PUMPS TO CREATE A DRAGOUT RECOVERY SYSTEM FOR THE EP4000 MATERIAL, WHICH WILL DECREASE THE AMOUNT OF WASTE WATER PROCESSED AND AMOUNT OF CHEMICALS USED.	OTI METAL FINISHING	200689	3
SULFURIC ACID	REDUCE THE USE OF ACIDS USED IN THE ELECTROPLATING PROCESS.	BY EVAPORATING THE STATIC TANK, REUSING THE DRAG-OUT MATERIAL AND KEEPING THE NITRIC ACID BATH CLEANER, THUS REQUIRING FEWER, TANK CHANGES	PHOENIX HEAT TREATING INC	200283	1
SULFURIC ACID	REDUCE THE AMOUNT OF SULFURIC ACID USED BY 30%	INSTALL FUME SCRUBBER; USE WASTE ANODIZE SOLN DECANT; INSTALL HARDPIPED SULFURIC ACID DELIVERY TO ANODIZE TANKS	PRECISION PLATING, INC.	200531	1

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
SULFURIC ACID	REDUCE THE AMOUNT OF PROCESS CHEMICALS BY 20% MEASURED AS EFFICIENCY	REVISE PROCESS INSTRUCTIONS; CONVERT RACK STRIPPING TO SULFURIC ACID/AMMONIUM BIFLUORIDE SOLUTION; ADD FREEBOARD SPACE	PRECISION PLATING, INC.	200531	3
SULFURIC ACID	REDUCE THE AMOUNT OF SODIUM HYDROXIDE OR SULFURIC ACID.	COMBINE THE CHROMIUM WASTE WATER, ACID RINSE WATER, AND THE AIR SCRUBBER WATER TO REDUCE THE AMOUNT OF SODIUM HYDROXIDE OR SULFURIC ACID NEEDED TO ADJUST THE WASTE WATER PH.	PRESTO CASTING COMPANY	200299	5
SULFURIC ACID	HAZ WASTE DISPOSAL AND TREATMENT: IMPROVEMENTS IN PROCESSING FOR GROUNDWATER RECLAIMATION - REDUCE ACID USAGE BY 15% ANNUALLY	RAISING THE TARGET pH OF THE TREATED GROUND WATER BY 0.6 UNITS DROPS THE ACID USE DRAMATICALLY	RAYTHEON COMPANY USAF PLANT 44	200184	28
SULFURIC ACID (BATTERIES)	ADMINISTRATIVE SERVICES: BATTERY ACID OVERFLOW REDUCTION PROGRAM	TRAINING, PROCEDURES	RAYTHEON COMPANY USAF PLANT 44	200184	31
SULFURIC ACID	PLATING WASTE ABATEMENT: REDUCE COPPER BATH WASTE STREAM BY 1400 GALLONS	INSTALL A BATCH TREATMENT SYSTEM WITH ACTIVATED CARBON TO ABSORB THE ORGANIC COMPOUNDS IN THE ACID CU PLATING BATH INSTALLED SMALLER MORE EFFICIENT CARBON FILTER SYS.	RAYTHEON COMPANY USAF PLANT 44	200184	6
SULFURIC ACID	REDUCE THE USE OF HYDROCHLORIC AND SULFURIC ACIDS IN THE WATER TREATMENT PROCESS.	INSTALL NEW REVERSE OSMOSIS PROCESS. REGENERATION PROCESS REDUCED FROM 1 OR 2 DAYS TO 10 DAYS OR MORE (AN 80% REDUCTION)	SCHEIN PHARMACEUTICAL INC.	200360	2
SULFURIC ACID	REDUCE CITY WATER AND CHEMICAL CONSUMPTION USED IN EVAPORATIVE COOLING TOWERS.	REPLACE CITY WATER WITH RO WATER RETAINED FROM THE PROCESS.	SCHREIBER FOODS, INC.	200529	15
SULFURIC ACID	REDUCE CHEMICAL USAGE FOR THE REVERSE OSMOSIS SYSTEM AND REDUCE THE AMOUNT OF WATER LOST	RESEARCH TOLERANCES OF EXISTING PROCESS EQUIPMENT UTILITY NEEDS.	SCHREIBER FOODS, INC.	200529	6
SULFURIC ACID	REDUCE THE AMOUNT OF SULFURIC ACID USED IN THE RESIN REGENERATION PROCESS FOR DEIONIZED WATER PRODUCTION AREA BY INSTALLING A CHEMICAL FEED CONTROL SYSTEM (F-2000-1-HCL).	INSTALL A CHEMICAL FEED CONTROL SYSTEM 1) EVALUATE POSSIBLE DESIGN OPTIONS AND VENDORS 2) DESIGN CONTROL SYSTEM 3) INSTALL EQUIPMENT AND MODIFICATIONS NEEDED 4) BEGIN AUTOMATIC RESIN REGENERATION.	SCI,L.L.C (ON SEMICONDUCTOR)	200726	11
SULFURIC ACID	REDUCE WATER AND CHEMICAL USE FROM COOLING TOWERS.	INCREASE CYCLES STEPWISE ON COOLING TOWERS WHILE MONITORING COOLING EFFECTIVENESS,	SCI,L.L.C (ON SEMICONDUCTOR)	200726	16
SULFURIC ACID	REDUCE THE USE OF COOLING TOWER TREATMENT CHEMICALS, WATER AND ENERGY.	DETERMINE WHAT CHANGES WOULD NEEDED TO COMBINE CHILLER LOAD ON P CENTRAL PLANT AND D CENTRAL PLANT CHILLERS/ COOLING TOWERS. SINCE IT WAS DETERMINED TO BE COST EFFECTIVE, IMPLEMENT NECESSARY PHYSICAL AND PROCEDURAL CHANGES.	SCI,L.L.C (ON SEMICONDUCTOR)	200726	17
SULFURIC ACID	REDUCE THE GENERATION OF HYDROGEN PEROXIDE / SULFURIC ACID RACK STRIP	SCHEDULE D&RS BASED ON COPPER LOADING. MONITOR USAGE.	SOUTHBAY CIRCUITS, INC.	200586	11
SULFURIC ACID	PRECLEAN PROCESS PRIOR TO ELECTROLYTIC COPPER DEPOSITION ON THE MANUAL PATTERN PLATE LINE: REDUCE THE GENERATION OF PC 960 CLEANER WASTE.	EVALUATE POTENTIAL FOR PRODUCT SUBSTITUTION. EVALUATE SCHEDULING D & RS BY SQUARE FOOTAGE OR TIME. INSTALL FILTRATION OR RECIRCULATION SYSTEM.	SOUTHBAY CIRCUITS, INC.	200586	13
SULFURIC ACID	WET FLOOR (748 MICROETCH): REDUCE THE GENERATION OF 748 MICROETCH WASTE.	INCREASE HANG TIME. IMPLEMENT DUMP AND REMAKES SCHEDULE BASED ON COPPER LOADING INSTEAD OF TIME. TRAIN OPERATORS TO WEIGH CHEMICAL ADDITIONS MORE ACCURATELY. INSTALL DEDICATED PROCESS TIMER.	SOUTHBAY CIRCUITS, INC.	200586	6
SULFURIC ACID	REDUCE SULFURIC ACID 10% USED IN "BRIGHT DIP" TANKS USED TO INHIBIT OXIDATION OF THE COPPER COATED CIRCUIT BOARD	REDUCE SULFURIC ACID FROM A 10% TO A 5% SOLUTION OF ACID AND WATER	SOUTHWEST CIRCUITS INC.	200343	3
SULFURIC ACID	LOOK FOR OPPORTUNITIES TO REDUCE USAGE OF RAW MATERIALS, ENHANCE PRODUCTS AND CONSERVE CHEMICALS IN BATHS	DEVELOP AND IMPLEMENT STATISTICAL PROCESS CONTROLS (SPS) CHARTING SYSTEM ON PROCESS BATHS	SOUTHWEST CIRCUITS INC.	200343	9
SULFURIC ACID (BATTERIES)	PREVENT ACCIDENTAL CHEMICAL RELEASES THROUGH THE FLOOR DRAINS NEAR THE FORK LIFT BATTERY STORAGE AREA AND CHEMICAL ROOM	INSTALL EXPANSION TYPE DRAIN PLUGS FOR THE ROUND FLOOR DRAINS.	STERIS CORPORATION	200328	2
SULFURIC ACID	WAFER CLEANING: REDUCE THE AMOUNT OF SULFURIC ACID DISPENSED ON THE WAFER BY 10%. 1) RUN EVALUATION WAFER WITH LOWER SULFURIC APPLICATION. 2) VERIFY RESULT. 3) IF POSITIVE, CHANGE ALL RECIPES. 4) MONITOR SULFURIC USAGE.	PROCESS OPTIMIZATION.	STMICROELECTRONICS, INC.	200585	3
SULFURIC ACID	WAFER CLEANING: IMPLEMENT SULFURIC ACID REUSE PROGRAM IN COOLING TOWERS TO REDUCE CHEMICAL PURCHASED FOR THIS BY 50%.	INSTALL NEW COLLECTION TANK AND PIPING SYSTEM.	STMICROELECTRONICS, INC.	200585	4
SULFURIC ACID	ELIMINATE THE SULFURIC ACID USED IN THE WASTE WATER TREATMENT PLANT. ***INACTIVE FACILITY****	INSTALL A CO2 INJECTION SYSTEM FOR THE WASTEWATER TREATMENT SYSTEM	TOLLESON DAIRY-DIV. OF KROGER	200481	1

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
SULFURIC ACID - SLUDGE	REDUCE THE GENERATION OF AGED SULFURIC ACID SLUDGE BY 95% IN THE TWO CARBON STEEL SULFURIC ACID STORAGE TANKS.	INSURE THAT DESSICANT AIR DRYERS ARE PROPERLY INSTALLED AND MAINTAINED, CONDUCT MONTHLY PREVENTATIVE MAINTENANCE INSPECTIONS TO CHECK CONDITION OF DESSICANT AND REPLACE AS NECCESSARY, INSTALL ACID FILTERING SYSTEM THAT CAN ALERT STAFF IF IRON SULFATE SLUDGE IS FORMING IN TANK, DURING CURRENT LOW PLANT WATER TREATMENT MODE USE ONLY ONE OF TWO ACID TANKS FOR ACID STORAGE.	U.S. DOI YUMA DESALTING PLANT	200562	1
SULFURIC ACID	ELIMINATE USE OF UNSEALED BATTERIES TO SAVE 200 GALLONS A YEAR OF SULFURIC ACID USE. ****GOAL DROPPED ***	VEHICLE MAINTENANCE IN BLD 204 - REPLACE UNSEALED BATTERIES W/ MAINTENANCE FREE BATTERIES.	U.S. ARMY - YUMA PROVING GROUND	200406	2
SULFURIC ACID	REDUCE VEHICLE BATTERY PROCUREMENT AND RECYCLING COSTS BY 50% IN VEHICLE AND AIRCRAFT MAINTENANCE BY LENGTHENING VEHICLE BATTERY LIFETIMES.	RESEARCH AND UTILIZE ELECTRIC AND SOLAR POWERED DEVICES (PULSE TECH PRODUCTS) TO ENHANCE BATTERY LIFETIMES BY REVERSING AND PREVENTING SULFATION IN THE BATTERY.	U.S.A.F. - LUKE	200409	42
SULFURIC ACID	MAINTAIN CORROSIVE REPACK - MISC. WASTES BELOW 1000 LBS	DEVELOP WRITTEN OPERATING PROCEDURES, CREATE RECIPE SHEETS FOR CURRENT BLENDS.	UNIVAR USA, INC.	200426	11
SULFURYL FLUORIDE	REDUCE PER-FLUORINATED COMPOUNDS USED IN THE CATHODE PHOTO AND ETCH BAYS BY RECOVERY METHODS. ACTION PLAN IS TO PERFORM FEASIBILITY STUDY.	CONDUCT FEASIBILITY STUDY	MOTOROLA - RESEARCH DIV	200609	5
SULPHURIC ACID	REDUCE THE GENERATION OF SPENT MICROETCH BY 1. CONTACTING SHIPLEY REGARDING REGENERATION OPTIONS 2. IMPLEMENT OPTIONS & MONITOR GENERATION, 3. INVESTIGATE ALTERNATIVE CHEMISTRIES, 4 EVALUATE ALTERNATIVE CHEMISTRIES	1. BY REGENERATING SPENT ETCHANT 2. BY MATERIAL SUBSTITUTION	QUICK TURN CIRCUITS, INC.	200596	5
SURFACTANT WASTES	SOLVENT REPACKAGING - SURFACTANTS AND BLENDS:ELIMINATE THIS WASTE STREAM (HOSE FLUSHING AFTER SOAP REPACKAGING).	SEGREGATE THIS WASTE STREAM; TREAT WASTE STREAM WITH RINSATE FROM THE CORROSIVE DRUM RINSING OPERATION.	UNIVAR USA, INC.	200426	4
SURFACTANTS	REDUCE REWORK ASSOCIATED WITH OIL CONTAMINATED BY 75%, THEREFORE REDUCING CLEANING LINE CHEMICALS BY 20%	REWORK PIPING TO SEPARATE OIL FROM SOLUTION. INSTALL AQUEOUS CLEANER SYSTEM. ADD MORE RINSE TANKS.	PRECISION PLATING, INC.	200531	5
SURFACTANTS	REDUCE SURFACTANTS ENTERING INTO THE WWTP	OPTIMIZE CLEANING RESIDUE DURING CHANGEOVERS	PROFESSIONAL CHEMICALS CORP	200538	4
SYNTHETIC HYDROCARBON	ELIMINATE THE NEED TO TRANSFER FLUID TO AND FROM 55 GALLON DRUMS IN AREAS WHERE AN ACCIDENTAL RELEASE IS POSSIBLE	INSTALL PUMPS AND PIPING TO TRANSFER WATER AND LUBRICANT REMOVED FROM THE VACUUM PUMPS DIRECTLY TO THE LARGE STORAGE TANK	STERIS CORPORATION	200328	3
SYNTHETIC HYDORCARBON	PREVENT ACCIDENTAL RELEASES THROUGH FLOOR DRAINS IN THE STERILIZATION CHAMBER	INSTALL AN EXPANSION TYPE DRAIN PLUG IN THE ROUND DRAINS IN THE STERILIZATION CHAMBER	STERIS CORPORATION	200328	5
SYNTHETIC HYDROCARBON	PREVENT ACCIDENTAL SPILLS FROM ENTERING THE SQUARE FLOOR DRAINS	CONSTRUCT CONCRETE SPILL DIKES AROUND TWO 12" X 12" FLOOR DRAINS	STERIS CORPORATION	200328	6
TAPMATIC LUBRICANT	ELIMINATE THE USE OF TAPMATIC #1 MACHINING LUBRICANT	REPLACE WITH COOL TOOL II, A NON-HAZARDOUS LUBRICANT	JOHNS MANVILLE INTERNATIONAL INC.	200227	2
TCA, SPENT HALOGENATED	REDUCE SPENT HALOGENATED SOLVENT (F001) WASTE GENERATION BY 50% IN 1994 70% BY 01/01/95 AND 90% BY 12/31/95	SAME AS GOAL #1 SINCE ALL OF THE F001 WASTE STREAM IS SPENT 1,1,1 TCA.	GENERAL DYNAMICS DECISION SYSTEMS	200257	2
TCA	REDUCE THE QUANTITY OF SOLVENTS FOR DISPOSAL AS HAZARDOUS WASTE	INSTALL AN ADDITIONAL DRUM IN EACH PAINT FACILITY TO SEGREGATE PAINT AND SOLVENT TO ENABLE REUSE; PHASE OUT USE OF DESIGNATED HALOGENATED SOLVENTS.	THE BOEING COMPANY	200238	12
TCA/ACETONE/MEK	REDUCE SOLVENT WASTES TO 44,000 LBS BY 1994	NITROGEN PURGE OF CHEMICAL FILL LINES AND SEGREGATION OF DIFFERENT CHEMICAL WASTES TO CREATE A SALABLE MIXTURE	UNIVAR USA, INC.	200426	2
TCA	REDUCE USAGE OF TOXIC CHEMICALS IN STAINS, SEALERS AND LACQUERS.	SUBSTITUTE NON TOXIC CHEMICALS FOR TOLUENE, XYLENE, 1,1,1 TRICHLOROETHANE, METHANOL, METHYL ETHYL KETONE AND GLYCOL ETHERS.	WOODSTUFF MANUFACTURING-43RD AVE	200459	1
TCE	ELIMINATE USE OF DEGREASER WITH NON-HAZARDOUS SUBSTITUTE.	REPLACE DEGREASER WITH NON-HAZARDOUS SUBSTITUTE.	ANOCAD PLATING & PAINTING CO, INC.	200037	10
TCE,1,1,1 TCA	REDUCE THE USE OF SOLVENT BASED PARTS CLEANER (SK-105 PETROLEUM NAPTHA - SAFETY KLEEN) AND RELATED WASTE GENERATION (350 GAL/YR)	CHANGE TO A NON-HAZARDOUS SOLVENT (SK-150) AND REDUCE THE AMOUNT OF PARTS CLEANING WASTE WITH A TANK CYCLONIC FILTERING SYSTEM	BORDEN FOODS COMPANY	200495	1
TERPENE BASED SOLVENTS	REDUCE THE EMISSION OF PC-205 USED FOR MOLD CLEANING.	REPLACE PC-205 WITH HOUSEHOLD DETERGENT	DOLPHIN, INCORPORATED	200125	8
TERPENE HYDROCARBONS	REDUCE THE USE OF SOLVENTS - ISOPROPANOL AND TERPENE HYDROCARBONS USED IN PARTS CLEANING.	TRAIN EMPLOYEES IN CORRECT CLEANING METHODS; INVESTIGATION OF ON-SITE RECYCLING EQUIPMENT PROVED TO BE NOT FEASABLE; INVESTIGATE USE OF HIGHLY FLOURINATED SOLVENTS IN VAPOR DEGREASERS IS CONTINUING.	HONEYWELL - 19TH AVE PHOENIX	200181	20

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
TETRACHLOROETHYLENE	REDUCE SOLVENT CLEANING WASTE BY 10%.	PURCHASE A SOLVENT CLEANING TANK WITH AGITATION, COVER, AND PROPER FREEBOARD TO REDUCE SOLVENT EMISSIONS AND USE.	ALLIED TOOL AND DIE COMPANY	200508	2
TETRACHLOROETHYLENE	ELIMINATE FUGITIVE EMISSIONS OF TETRACHLOROETHYLENE.	REPLACE SAFETY KLEEN SOLVENT WITH A SAFE SOLVENT THAT DOES NOT CONTAIN TETRACHLOROETHYLENE.	ALLIED TOOL AND DIE COMPANY	200508	3
TETRACHLOROETHYLENE	REDUCE PURCHASE OF CLEAN SOLVENT BY 50%.	INVESTIGATE BUYING A DISTILLATION UNIT TO RECYCLE DIRTY SOLVENT AND MINIMIZE PURCHASES OF CLEAN SOLVENT.	ALLIED TOOL AND DIE COMPANY	200508	4
TETRACHLOROETHYLENE	ELIMINATE OR REDUCE THE AMOUNT OF SAFETY KLEEN MANIFESTED FOR RECYCLING.	REPLACING SAFETY KLEEN 140 PREMIUM SOLVENT WITH SAFETY KLEEN 150 PREMIUM SOLVENT UNSUCCESFUL; TRY AQUEOUS BASED PARTS CLEANER INSTEAD; PURCHASE 3-5 PRESSURE WASH CABINETS.	BHP COPPER, SAN MANUEL SMELTING AND REFINING	200226	2
TETRACHLOROETHYLENE	REDUCE WASTE STREAM AND EMISSIONS OF TETRACHLOROETHYLENE **GOAL DROPPED**	PURCHASE SOLVENT RECOVERY SYSTEM	CHROMIZING ARIZONA	200095	5
TETRACHLOROETHYLENE	REDUCE EMISSIONS OF TETRACHLOROETHYLENE	REDUCE C00LING WATER TEMPERATURE OF CONDENSATE JACKET, UTILIZE WATER SOLUBLE CLEANER	CHROMIZING ARIZONA	200095	6
TETRACHLOROETHYLENE	ELIMINATE THE USE OF PC-205 TERPENE BASED SOLVENT FOR SHULER MOLD CLEANING.	EVALUATE THE VOC EMISSIONS AND EFFECTIVENESS OF PRODUCT 724 FOR PARTS VAPOR DEGREASING.	DOLPHIN, INCORPORATED	200125	12
TETRACHLOROETHYLENE	ELIMINATE PETROLEUM NAPTHA AS A PARTS CLEANER.	REPLACE WITH MIRACHEM-500 (CITRUS BASED).	PROCTER & GAMBLE MFG	200302	3
TETRAETHYL ORTHO-SILICATE	REDUCE THE AMOUNT OF PASSIVATION MATERIAL LEFT IN CONTAINMENT VESSEL	USE A BULK DELIVERY SYSTEM	MOTOROLA SCG	200253	14
TETRAFLUOROMETHANE	REDUCE PER-FLUORINATED COMPOUNDS USED IN THE CATHODE PHOTO AND ETCH BAYS BY RECOVERY METHODS. ACTION PLAN IS TO PERFORM FEASIBILITY STUDY.	CONDUCT FEASIBILITY STUDY	MOTOROLA - RESEARCH DIV	200609	5
TETRAHYDROFURAN (THF)	REDUCE STACK VOCs PER UNIT OF PRODUCTION BY 2% PER YEAR (CHANGED AND NOW GOAL 10).	ADJUST CRITICAL OPERATING PARAMETERS, PAINT SLA DUCT WHITE TO REFLECT SOLOR HEAT.	IMATION CORPORATION	200001	4
TETRAHYDROFURAN	MINIMIZE USE OF PVC BASED GLUE FOR EDGE STRIPS AT THE ELECTROREFINERY.	REPLACE GLUE WITH AN ULTRASONIC WELDING MACHINE.	PHELPS DODGE MIAMI INC.	200115	24
TETRAMETHYL AMMONIUM HYDROXIDE	RF-2000-2-REDUCE POSITIVE PHOTORESIST USED IN THE PHOTOLITHOGRAPHY PROCESS WHICH CONTAINS TETRAMETHYL AMMONIUM HYDROXIDE AND IS APPLIED TO ALL WAFERS IN A SINGLE WAFER PROCESSING TOOL.	OPTIMIZE THE PHOTORESIST DEVELOPMENT PROCESS USING STANDARD OPTIMIZING TECHNIQUES. ACTION PLAN (1) EVALUATE EACH PART OF THE CURRENT PROCESS TO DETERMINE IF ANY CHANGES CAN BE MADE. (2) DESIGN AND INSTALL ANY EQUIPMENT MODIFICATIONS NEEDED TO IMPLEMENT CHANGES (NONE EXPECTED). (3) CONDUCT EXPERIMENTS ON TEST WAFERS AND PRODUCT. (4) QUALIFY PRODUCT FOR CUSTOMERS. (5) CONVERT TO OPTIMIZED PROCESS.	MOTOROLA SCG (RFI OPERATION)	200727	2
THERMAL HEAT TRANSFER FLD	PREVENT OR REDUCE THE SERIOUSNESS OF ANY SYSTEM LEAKS	DESIGN AND INSTALL HOT OIL SYSTEM SAFETY SHUT DOWNS	NORTHROP-GRUMMAN	200174	14
THF	REDUCE THE VOLUME OF THF DISPOSED OF FROM THE ANALYTICAL LAB	REUSE THF IN AREAS WHERE HIGH PURITY IS NOT NEEDED.	CYTECFIBERITE	200185	39
THINNERS	ELIMINATE THINNER USE IN SILKSCREEN OPERATIONS.	REPLACE INK THINNER WITH HOUSEHOLD CLEANER.	ADOBEAIR, INC.	200008	2
THIOUREA	SOLDER BRIGHTENERS: EVALUATE SOLDER BRIGHTENERS FOR ONES THAT CONTAIN NO THIOUREA FOR USE IN CIRCUIT BOARD MANUFACTURING. **DROPPED**	RESEARCH TO SEE IF A SUBSTITUTE EXISTS **DROPPED**	MOSAIC PRINTED CIRCUITS, LLC. (QUALITY PRINTED CIRCUITS)	200513	6
TILE - REJECT	REDUCE REJECT TILE (WET MIX) BY 10% 0F PRESENT RATE OF 1.6%. ACTION STEPS: 1) CONTINUE TO REFINE TILE LINE PROCEDURES FOR QUICKER RESPONSE TO CHANGING CONDITIONS OF WET MIX, 2) CONTACT NEIGHBORING SAND AND GRAVEL PLANT FOR CRUSHING AND RE-USE IDEAS, 3) CONTACT OTHER SOURCES, I.E. CEMENT PLANTS, ADOT, FOR OTHER POTENTIAL USES, 4) INITIATE TRIAL (I.E. CRUSHING AND REUSE).	OFF-SITE CRUSHING AND REUSE AT THE PLANT, OR OTHER USES OFF-SITE AS SAND SUBSTITUTE OR AS ROAD BASE.	MONIERLIFETILE, LLC-PHOENIX,AZ	200658	2
TILE - REJECT	REDUCE THE AMOUNT OF CURED REJECT TILE BY 10% OF REJECT RATE OF 3%. ACTION STEPS: 1) CONTINUE TO EXAMINE WAYS OF TILE HANDLING TO REDUCE REJECTS, 2) CONTACT NEIGHBORING SAND AND GRAVEL PLANT FOR CRUSHING AND RE-USE IDEAS, 3) CONTACT OTHER SOURCES, I.E. CEMENT PLANTS, ADOT, FOR OTHER POTENTIAL USES, 4) INITIATE TRIAL (I.E. CRUSHING AND REUSE).	OFF-SITE CRUSHING AND REUSE AT THE PLANT, OR FOR OTHER USES OFF-SITE AS A SAND SUBSTITUTE OR AS ROAD-BASE.	MONIERLIFETILE, LLC-PHOENIX,AZ	200658	4
TIN	REDUCE AMT METALS TO WASTE TREATMENT SYSTEM REDUCE CONTAMINATION IN PROCESS TANKS ** GOAL DROPPED **	ADD AIR AGITATION TO ALL RINSE TANKS (ZINC, TIN, AND NICKEL PROCESS LINES) SOME PROBLEMS WITH PARTICULATE CONTAMINATING PARTS.	METCO METAL FINISHING - PHOENIX	200451	8
TIN/LEAD	ELIMINATE THE INCINERATION & SUBSEQUENT LANDFILLING OF METALS (TIN/LEAD) & ASH & RECLAIM NATURAL RESOURCES	SEND 100% OF THE WASTE TIN/LEAD SOLUTION THAT IS GENERATED BY BIPOLAR ONE TO A METALS RECLAIMER	MOTOROLA - MESA	200255	4

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
TIN	REDUCE THE GENERATION OF SPENT TIN STRIPPER BY 1. MEASURING CURRENT DEPOSIT THICKNESS. 2. ETCH EVALUATION ON REDUCED THICKNESS. 3. PILOT PRODUCTION RUN. 4. IMPLEMENT PROCESS CHANGE	EVALUATE EFFECTIVENESS OF REDUCED THICKNESS OF ETCH IN PILOT PRODUCTION RUN.	QUICK TURN CIRCUITS, INC.	200596	4
TIN	REDUCE CHEMICAL USAGE ON PAL LINES.	BY DETERMINING THE FEASIBILITY OF IN-LINE FILTERS TO EXTEND BATH LIFE.	SANMINA - SCI	200669	20
TITANIUM TETRACHLORIDE	REDUCE PARTICULATE EMISSIONS FROM PHOSPHOR COATING PROCESS	REDESIGN REACTOR VESSEL	DUREL CORPORATION	200518	5
TOLUENE	REDUCE VOC EMISSIONS FROM IN-MOLD COATING PROCESS THROUGH THE USE OF HPLV SPRAY EQUIPMENT. 1) PURCHASE HPLV SPRAY EQUIPMENT 2) INSTALL EQUIPMENT AND SPRAY BOOTH 3)TEST AND DEBUG.	IMPLEMENTATION OF HPLV SPRAY EQUIPMENT.	ACCUFLEX CORPORATION	200634	6
TOLUENE	REDUCE VOC EMISSIONS FROM THE FLUSH SOLVENT USED TO CLEAN SPRAY EQUIPMENT. 1) DEVELOP METHOD TO CLEAN AND CAPTURE ALL FLUSH SOLVENT. 2)TEST PROCEDURE ON PRODUCTION EQUIPMENT 3) IMPLEMENT PROCEDURE. 4) MONITOR	CAPTURE AND RE-USE OF FLUSH SOLVENT USED TO CLEAN IN MOLD COATING SPRAY EQUIPMENT.	ACCUFLEX CORPORATION	200634	7
TOLUENE	REDUCE VOC EMISSIONS FROM THE IN-MOLD COATING THROUGH USE OF REDUCED VOC PAINTS.	EVALUATE AND IMPLEMENT LOWER OR ZERO VOC IN MOLD PAINTS AS AVAILABLE COMMERCIALLY.	ACCUFLEX CORPORATION	200634	8
TOLUENE DI-ISOCYANATE	REDUCE EMPLOYEE EXPOSURE TO FUGITIVE HAZARDOUS AIR POLLUTANTS (HAPS)	PERFORM A SERIES OF AIR TESTS FOR THE KNOWN HAPS. REVISE WASTE TEATMENT OR ADD ENGINEERING CONTROLS BASED ON TEST RESULTS. INSTALL CARBON ABSORPTION HOOD ASSEMBLY FOR TOLUENE. INSTALL GLOVE BOX FOR CADMIUM. CONTINUE MONITORING FOR CADMIUM.	ACME ELECTRIC CORP. AEROSPACE DIVISION	200482	10
TOLUENE	REDUCE TOLUENE CONTENT IN MOLD RELEASE AGENT BY RESEARCHING ALTERNATIVES.	RESEARCH LOWER TOLUENE CONTENT MOLD RELEASE AGENT.	ADVANCED CONSTRUCTION PRODUCTS, INC.	200565	4
TOLUENE	ELIMINATE USE OF TOLUENE FOR BELT SPLICING.	FIND A SUBSTITUTE: REPLACED WITH NO. 13 SOLVENT. TOLUENE PURCHASES NO LONGER ALLOWED.	ASARCO - MISSION COMPLEX (SAHUARITA)	200047	2
TOLUENE	ELIMINATE OIL BASED PAINT	CONTINUE TO USE LOW HAPS PAINT AND WORK WITH PAINT MANUFACTURERS TO DEVELOP HAPS FREE BLACK LAQUER.	AUTOMOTIVE PARTS EXCHANGE	200504	5
TOLUENE	REDUCE/ELIMINATE VOC EMISSIONS FROM SPRAY PAINT OPERATIONS.	PROCESS MODIFICATION: INSTALL A SPRAY PAINT BOOTH AND USE LOW VOC PAINTS.	BULL (HONEYWELL) INFO SYSTEMS INC.	200076	3
TOLUENE	REDUCE TOLUENE USAGE AND VOC RELEASES BY FINDING ALTERNATIVE SOLVENT FOR PAINT STRIPPING.	REPLACE TOLUENE WITH A XYLENE/ACETONE SOLVENT MIX THAT HAS A VAPOR PRESSURE OF < 2.00 MM HG.	CHEM RESEARCH CO	200085	13
TOLUENE	REDUCE USAGE AND EMISSIONS OF TOLUENE	ENSURE CLEANUP/CONTAINMENT EQUIPMENT IS AVAILABLE FOR TANK FILLING OPERATIONS.	COPPER STATE RUBBER OF ARIZONA	200557	1
TOLUENE	REDUCE USAGE AND EMISSIONS OF TOLUENE	EXAMINE FEASIBILITY OF USING ALTERNATIVE CEMENT COMPOUNDS NOT CONTAINING TOLUENE.	COPPER STATE RUBBER OF ARIZONA	200557	10
TOLUENE	REDUCE USAGE AND EMISSIONS OF TOLUENE	RECYCLE CLEANING SOLVENT	COPPER STATE RUBBER OF ARIZONA	200557	11
TOLUENE	REDUCE USAGE AND EMISSIONS OF TOLUENE	USE SPILL PROOF LIDS/ TRAIN STAFF ON USING LIDS FOR TRANSFER OPERATIONS.	COPPER STATE RUBBER OF ARIZONA	200557	2
TOLUENE	REDUCE USAGE AND EMISSIONS OF TOLUENE	UPGRADE MIXING EQUIPMENT.	COPPER STATE RUBBER OF ARIZONA	200557	3
TOLUENE	REDUCE USAGE AND EMISSIONS OF TOLUENE	USE SPATULAS FOR REMOVAL OF CEMENT RESIDUAL FROM BUCKETS.	COPPER STATE RUBBER OF ARIZONA	200557	4
TOLUENE	REDUCE USAGE AND EMISSIONS OF TOLUENE	CHANGE RUBBER MIXING PROCEDURES.	COPPER STATE RUBBER OF ARIZONA	200557	5
TOLUENE	REDUCE USAGE AND EMISSIONS OF TOLUENE	USE SPILL PROOF COVERED BUCKETS DURING TRANSFER.	COPPER STATE RUBBER OF ARIZONA	200557	6
TOLUENE	REDUCE USAGE AND EMISSIONS OF TOLUENE	COVER BUCKETS WHEN BUCKETS NOT IN USE.	COPPER STATE RUBBER OF ARIZONA	200557	7
TOLUENE	REDUCE USAGE AND EMISSIONS OF TOLUENE	EXAMINE FEASIBILITY OF USING REUSABLE CLOTH RAGS. RAGS ARE NOW BEING SENT TO AN OUTSIDE SOURCE AND THEY ARE WASHED AND RETURNED TO OUR FACILITY.	COPPER STATE RUBBER OF ARIZONA	200557	8
TOLUENE	REDUCE USAGE AND EMISSIONS OF TOLUENE	EXAMINE FEASIBILITY OF USING LOWER VOC CONTENT.	COPPER STATE RUBBER OF ARIZONA	200557	9
TOLUENE	ELIMINATE TOLUENE HAZARDOUS AIR POLLUTANTS USED FOR CLEANING.	REPLACE WITH A LESS HAZARDOUS OR NON HAZARDOUS CLEANER.	CYTECFIBERITE	200185	44
TOLUENE 2,4 DIISOCYANATE	REDUCE THE % OF TDI (TOLUENE 2,4 DIISOCYANATE AND TOLUENE 2,6 DIISOCYANTE) IN THE BINDER FORMULA BY 10%.	REFORMULATE THE REBOND FORMULA TO REDUCE THE % AMOUNT OF TDI IN THE BINDER BY 9/96. IMPLEMENT NEW BINDER FORMULA BY 10/96	FLEX FOAM-WESTERN BONDED PRODUCTS	200573	1

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TOLUENE 2,6 DIISOCYANATE	REDUCE THE % OF TDI (TOLUENE 2,4 DIISOCYANATE AND TOLUENE 2,6 DIISOCYANTE) IN THE BINDER FORMULA BY 10%.	REFORMULATE THE REBOND FORMULA TO REDUCE THE % AMOUNT OF TDI IN THE BINDER BY 9/96. IMPLEMENT NEW BINDER FORMULA BY 10/96	FLEX FOAM-WESTERN BONDED PRODUCTS	200573	1
TOLUENE DIISOCYANATE	REDUCE AIR EMISSIONS OF TDI (TOLUENE 2,4 DIISOCYANATE AND TOLUENE 2,6 DIISOCYANTE).	INVESTIGATE FEASIBILITY OF REPLACING SUBMERGED PUMPS WITH SEALESS PUMPS. ENHANCE LEAK DETECTION AND REPAIR PROCEDURE.	FLEX FOAM-WESTERN BONDED PRODUCTS	200573	6
TOLUENE	PAINT WASTES: REDUCE EMISSIONS FROM PAINT SPRAYER PARTS CLEANING	INSTALLED A COVERED PARTS WASHER FOR SPRAYER PARTS IN THE AUTOMOTIVE PAINTING OPERATION	GM DESERT PROVING GROUNDS	200154	3
TOLUENE	REDUCE WASTE SOLVENT GENERATION 25% FROM THE 1992 LEVEL OF 37 DRUMS PER YEAR TO BELOW 28 DRUMS PER YEAR	(1)REDUCE QUANTITY OF PRIMER PREPARED BY 2/1993 (2) REUSE BRUSH CLEANING SOLVENT LONGER BY MARCH 1993 (3) CLEAN BRUSHES LESS FREQUENTLY BY APRIL 1993 (4) USE NON-VOC BRUSH CLEANING SOLVENT BY JUNE 1994 (5) ELIMINATE PRIMER USE BY DECEMBER 1994	GOODRICH-AIRCRAFT EVACUATION SYSTEMS	200073	1
TOLUENE	REDUCE THE TOTAL NUMBER OF UNIT TRANSFERS PER DAY BY 5% EACH YEAR FOR THE NEXT 5 YEARS (INCLUDING NON-VALUE ADDED CHEMICAL SHIPMENTS TO OFFSITE FACILITIES) IN SLIDE PRODUCTION, PAINTING & SHIPPING.	1) IDENTIFY OPPORTUNITIES TO ENABLE CHEMICAL VENDORS TO PROVIDE SHIPMENTS TO AES SERVICE CENTER NETWORKS & CUSTOMERS RATHER THAN PHOENIX AES REPACKAGING AND SHIPPING THEM. 2) IDENTIFY OPPORTUNITIES TO PURCHASE & STORE CHEMICALS IN BULK CONTAINERS (TOTES). PROVIDE PERMITS & ASSEMBLE QUOTES FOR BULK STORAGE. 3) EXPLORE POINT OF USE TYPE AUTOMATIC DISPENSING EQUIPMENT FOR GLUE MIXING. 4) EXPLORE CHEMICAL MIXING & DISTRIBUTION WITHIN INDIVIDUAL CELLS.	GOODRICH-AIRCRAFT EVACUATION SYSTEMS	200073	15
TOLUENE	REDUCE WASTE ADHESIVE GENERATION 25% FROM 1992 LEVEL OF 20 DRUMS/YEAR TO BELOW 16 DRUMS/YEAR	1.REDUCE THE QUANTITY OF ADHESIVE PREPARED 2. EXTEND ADHESIVE POT LIFE 3. USE NON-VOC ADHESIVES	GOODRICH-AIRCRAFT EVACUATION SYSTEMS	200073	2
TOLUENE	REDUCE AIR EMISSIONS TO LESS THAN 25 TONS/YEAR FOR TOTAL HAZARDOUS AIR POLLUTANTS (HAPS) AND 10 TONS/YEAR FOR ANY HAP.	1. COVER ADHESIVE CONTAINERS 2. COVER BRUSH CLEAN SOLVENT CONTAINERS 3. COVER RAGS 4. ELIMINATE FINAL CLEAN PROCESS	GOODRICH-AIRCRAFT EVACUATION SYSTEMS	200073	4
TOLUENE	REDUCE COMBINED QUANTITY OF WASTE MEK AND WASTE TOLUENE GENERATED IN VARIOUS APPLICATIONS BY 5% PER YEAR COMPARED TO 1994 LEVELS	DEVELOP A WATER BASED ADHESIVE SYSTEM; UTILIZE WATER-BASED RHR PAINT; REUSE BRUSH CLEANING SOLVENTS AND CLEAN BRUSHES LESS FREQUENTLY	GOODRICH-AIRCRAFT EVACUATION SYSTEMS	200073	5
TOLUENE	REDUCE COMBINED QUANTITY OF WASTE NEOPRENE AND WASTE URETHANE ADHESIVES BY 5% PER YEAR COMPARED TO 1994 LEVELS	MORE FREQUENT DISPENSING OF ADHESIVES. SET AND POST GOAL THROUGHOUT FACILITY.	GOODRICH-AIRCRAFT EVACUATION SYSTEMS	200073	6
TOLUENE	REDUCE COMBINED QUANTITY OF WASTE RAGS GENERATED BY 5% COMPARED TO 1994	SET AND POST GOAL THROUGHOUT FACILITY. KEEP RAGS COVERED TO PREVENT DRYING OUT.	GOODRICH-AIRCRAFT EVACUATION SYSTEMS	200073	7
TOLUENE	REDUCE TOLUENE, ACETONE, MEK AND HEXANE AIR EMISSIONS BY 5% PER YEAR COMPARED TO 1994 PRODUCTION LEVELS	DEVELOP WATER BASED ADHESIVE, UTILIZE NEW URETHANE LESS ADHESIVE. UTILIZE WATER-BASED RHR PAINT 7, UTILIZE FABRICDS (REQUIRE LESS CLEANING)	GOODRICH-AIRCRAFT EVACUATION SYSTEMS	200073	8
TOLUENE, ACETONE	PAINT CLEANUP: REDUCE ONSITE STORAGE AND OFFSITE DISPOSAL OF THE CLEANING SOLVENTS/REDUCER USED TO CLEAN PAINT GUNS AND OTHER SMALL EQUIPMENT	EVALUATE THE CURENT USE OF REDUCERS FOR CLEANING PURPOSES AND DETERMINE IF IT WOULD BE VIABLE (ECONOMICALLY AND OPERATIONALLY) TO REUSE OR RECYCLE THE CLEANING WASTE THEREBY REDUCING THE AMOUNT OF PRODUCT PURCHASED AND THE AMOUNT OF WASTE SHIPPED OFF-SITE (I.E. INSTALL ON-SITE SOLVENT RECYCLING SYSTEM)	HEIL ENVIRONMENTAL INDUSTRIES LTD.	200530	3
TOLUENE	PROVIDE CONTAINMENT AREAS IN ADHESIVE MIX STORAGE OF LIQUID HAZARDOUS MATERIALS. ACTION PLAN: 1) DETERMINE CONTAINMENT REQUIREMENTS 2) REVIEW ALTERNATIVES, COST CONFIRMATION.	PROVIDE IMPROVED CONTAINMENT FOR SPILL AND LEAK PREVENTION	HEXCEL CORPORATION	200464	21
TOLUENE	REDUCE USE OF TOLUENE IN CONFORMAL COAT PROCESS BY 25% AND MONITOR THROUGH MARICOPA COUNTY ANNUAL EMISSIONS REPORT.	TEST NEW CONFORMAL COAT THINNER TO OPTIMIZE PRODUCTION EQUIPMENT; PROGRESS HAS BEEN ACHIEVED BY IN-HOUSE RECLAIMATION AND INCREASED SOLIDS CONTENT IN THE CONFORMAL COAT PROCESS. RECYCLE PURGED TOLUENE AND USE TO CLEAN CONFORMAL COAT SPRAY ORIFICES; ADJUST PAINT SOLIDS RATIO	HONEYWELL - 19TH AVE PHOENIX	200181	14
TOLUENE/ETHYLBENZENE	REDUCE THE GENERATION OF SOLVENT/ THINNER USED TO CLEAN A PAINT SPRAY GUN	SAVE THE USED SOLVENT/ THINNER TO USE IN THE NEXT MIX AND THINNING JOB; ONLY MIX EXACT AMOUNTS	JOHNS MANVILLE INTERNATIONAL INC.	200227	3
TOLUENE/ETHYLEBENZENE	REDUCE OVERSPRAY AND INCREASE TRANSFER RATE TO REDUCE PAINT USED.	PURCHASE AND USE A NEW HVLP SPRAY PAINTING GUN	JOHNS MANVILLE INTERNATIONAL INC.	200227	4
TOLUENE	REDUCE VOC EMISSIONS CREATED DURING PAINT THINNING AND CLEAN UP OF PAINTING EQUIPMENT.	REPLACE THE SOLVENT THINNER WITH WATER TO THIN PAINT AND CLEAN UP.	JOHNS MANVILLE INTERNATIONAL INC.	200227	9
TOLUENE	REDUCE VOC'S EMITTED BY SPRAY ADHESIVE	SUBSTITUTE WITH A WATER SOLUBLE ADHESIVE	L & M LAMINATES AND MARBLE	200512	3
TOLUENE	REDUCE TOLUENE EMISSIONS 60% FROM FACILITY-WIDE SOLVENT OPERATIONS.	SUBSTITUTE LESS HAZARDOUS SOLVENTS FOR TOLUENE.	LEARJET, INC.	200457	8
TOLUENE	REPLACE SOLVENTS WITH AQUEOUS CLEANER.	IMPLEMENT FEASIBLITY STUDIES FOR USING AQUEOUS CLEANERS AS CLEANING OPTIONS IN PROCESS AREAS #1 AND #2 BY 7/31/99, HAVING REQUESTED CAPITAL EXPENDITURES BY 7/31/98.	LITTON ELECTRO - OPTICAL SYSTEMS	200218	13

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
TOLUENE	REDUCE USAGE OF TOLUENE BY REFORMULATING THE MOLD RELEASE TO BE FREE OF TOLUENE.	ELIMINATE USAGE OF TOLUENE THAT IS FORMULATED IN THE MOLD RELEASE.	MARLAM INDUSTRIES, INC.	200532	5
TOLUENE	REDUCE THE AMOUNT OF TOP COATINGS USED PER UNIT	RESEARCH PERMITS AND ENGINEERING NECESSARY TO CONVERT TO HANGING PAINT LINE, AND VISIT SISTER COMPANY THAT HAS ALREADY IMPLEMENTED.	MASTERCRAFT CABINETS, INC.	200229	3
TOLUENE	REDUCE THE AMOUNT OF WASTE DISPOSED OF OFF SITE FROM THE SPRAY BOOTH.	USING BUDGETED MONIES, RESEARCH A CENTRIFUGE AND/OR DRY FILTER PROCESS THAT WOULD ALLOW FOR RECYCLING WATER FROM THE PROCESS INSTEAD OF DISPOSING AS A WASTE	MASTERCRAFT CABINETS, INC.	200229	5
TOLUENE	REDUCE THE USE OF TOLUENE AS A LAQUER THINNER SOLVENT.	IMPLEMENT THE RE-USE OF LAQUER THINNER SOLVENT FROM THE BAND CLEANER TRAYS ON THE SPRAY BOOTH. INSTEAD OF TRANSFERRING THE SPENT LAQUER THINNER SOLVENT TO A HAZARDOUS WASTE DRUM, WE ARE STORING IT AND RE-USING IT THE NEXT DAY IF THE SOLVENT IS STILL USABLE. THIS PRACTICE ALLOWS RE-USE OF UP TO 14 GALLONS OF LAQUER THINNER PER DAY BEFORE WE CALL IT WASTE.	MASTERCRAFT CABINETS, INC.	200229	7
TOLUENE	REDUCE THE USE OF TOLUENE AS A SOLVENT IN THE FINISH STAINS. ****GOAL DROPPED, INACTIVE FACILITY****	TEST A NON-VOC SUBSTITUTE; REFORMULATE COLORS TO NON-VOC SUBSTITUTE; PURCHASE AND INSTALL EQUIPMENT.	MCCARTHY CABINET CO.	200233	1
TOLUENE	ELIMINATE OR REDUCE THE USE OF LACQUER THINNER AS A CLEANER IN ASSEMBLY **DROPPED**	COMPLETE RELACEMENT OF THE OPERATION OR REPLACE WITH ENVIRONMENTALLY SAFE ALTERNATIVE	MCCULLOCH CORP (LAKE HAVASU)	200234	13
TOLUENE	REDUCE THE USE OF TOLUENE (CONTAINED IN TR-210 MOLD CLEANER). WITHOUT REGULAR CLEANING, THE MOLDS ACCUMULATE A BUILD-UP WHICH EVENTUALLY PREVENTS THE CURED MARBLE FROM BEING PULLED OFF OF THE MOLD.	1. USE LESS TR-210 CLEANER (WHICH CONTAINS 77% TOLUENE) BY SUBSTITUTING OTHER CLEANER CONTAINING NO TOLUENE. 2. USE MORE TR-216 CLEANER (WHICH HAS ONLY 37.5% TOLUENE) AND LESS TR-210 CLEANER. ADDED 9/2002 - 3. INVESTIGATE OTHER ALTERNATIVE CLEANERS.	MESA FULLY FORMED	200241	12
TOLUENE	REDUCE TOLUENE USE AND FUGITIVE EMISSIONS	1. REPLACE TOLUENE WITH LESS TOXIC SOLVENT 2. USE MORE EFFICIENT DISPENSING SOLVENT. 3. CONTROL INVENTORY SHELF LIFE CONTROL	MI HOME PRODUCTS INC.	200072	10
TOLUENE	REDUCE TOLUENE FUGITIVE EMISSIONS.	SUPPLIER TO USE A SUBSTITUTE SOLVENT OR REDUCE AMOUNT BEING USED IN ADHESIVE.	MI HOME PRODUCTS INC.	200072	16
TOLUENE	REDUCE THE AMOUNT OF ADHESIVE USED IN ASSEMBLY PROCESS CONTAINING 30-40% TOLUENE.	SUBSTITUTE TOLUENE CONTAINING ADHESIVE WITH PRESSURE SENSITIVE TAPE.	MI HOME PRODUCTS INC.	200072	18
TOLUENE	REDUCE TOLUENE EMISSIONS BY 30-40% IN ASSEMBLY PROCESS.	SUBSTITUTE TOLUENE CONTAINING ADHESIVE TAPE FOR DOUBLE SIDED PRESSURE SENSITIVE TAPE.	MI HOME PRODUCTS INC.	200072	18
TOLUENE	ELIMINATE USE OF TOLUENE IN PAINT LINE CLEANUP.	REPLACE TOLUENE WITH A SOLVENT BLEND THAT HAS 15% OF N-BUTYL ALCOHOL(71-36-3)	MI HOME PRODUCTS INC.	200072	2
TOLUENE	REDUCE THE USE OF TOLUENE FOR CLEANING SILKSCREENS	CHANGE SILKCREEN/ SOLDERMASK INK TO PHOTO IMAGEABLE ELECTRA CARAPACE-A EMP-110	MICOM CIRCUITS WEST	200245	3
TOLUENE	REDUCE THE AMOUNT OF LIQUID DOPANT APPLIED TO A SPINNING WAFER	REPLACE MECHANICAL PUMP WITH A MICROPROCESSOR CONTROLLED PRESSURE PUMP. THIS WILL OPTIMIZE APPLICATION	MOTOROLA SCG	200253	20
TOLUENE	REDUCE TOLUENE EMISSIONS.	REFORMULATE COATING. INSTALL UPGRADED MONITORING OF SPECIFIC GRAVITY. IMPROVE OPERATOR TRAINING IN THE USE OF SOLVENT RECLAMATION, RECONSTITUTION OF COATING AND TRANSFER EFFICIENCIES OF COATING.	PAN GLO SERVICES	200665	1
TOLUENE	ELIMINATE THE USE OF SOLVENT BASED PAINTS USED TO STRIPE ROADS AND TOLUENE USED TO CLEAN THE STRIPING TRUCK.	BUY A WATER BASED PAINT STRIPING TRUCK. PURCHASE LESS TOXIC WATER BASED PAINTS (IE. LEAD FREE); YELLOW PAINT STILL HAS LEAD IN IT; WRITE NEW SPECIFICATIONS FOR PAINT.	PIMA COUNTY MISSION ROAD COMPLEX	200527	1
TOLUENE	REDUCE TOLUENE USE TO 94% OF THE 1992 LEVELS (LIMIT TO 500 LBS/YEAR) TOLUENE USED IN THERMAL STRIP SEALING OF FLEXIBLE PACKAGING	REPLACED TOLULENE THERMAL STRIP WITH VM & PETROLEUM NAPTHA THERMAL STRIP	PRINTPACK INC.	200484	1
TOLUENE	EVALUATE AND REVIEW PLAN FOR RECYCLING SOLVENT RECOVERY EXHAUST FOR POSSIBLE INCLUSION IN OCTOBER CAPITAL BUDGET	RECYCLE SOLVENT RECOVERY BACK INTO PRINTING PRESSES	R.R.DONNELLEY PRINTING COMPANY	200307	4
TOLUENE	RECYCLE TOLUENE FROM CLOTH RAGS USED TO CLEAN PRESSES	INSTALL CLOTH RAG DRYER	R.R.DONNELLEY PRINTING COMPANY	200307	5
TOLUENE DIISOCYANATE	OTHER SOURCE REDUCTION ACTIVITIES: ELIMINATION OF TDI FOAMS (TOLUENE DIISOCYCANATE CURED POLYURETHANE FOAMS) ** GOAL DROPPED **	FEASIBILITY STUDY TO LOOK FOR ALTERNATIVES (IE. MATERIAL CHANGE)	RAYTHEON COMPANY USAF PLANT 44	200184	38
TOLUENE	REDUCE WASTE FROM THE ADHESIVE (MRT-0440C) DRUM LINER DRAINING. ADHESIVE CONTAINS 6.4% TOLUENE.	RECYCLE ADHESIVE LINER DRAINING FOR USE IN PRODUCTION.	SEA RAY BOATS, INC.	200334	27

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
TOLUENE	REDUCE VOCS AND USE OFSOLVENTS IN PAINT APPLICATIONS BY 80%	RESEARCH "JESSO" PROCESS WHICH ALLOWS MATERIAL WITH A SOLID CONTENT OF 80%; INCREASE PRICES; DISCONTINUE MANUFACTURING PAINTED PRODUCT; OFFER PLYWOOD SHUTTER AS ALTERNATIVE	SUNBURST SHUTTERS	200524	1
TOLUENE	REDUCE AMOUNT OF WASTE PAINT SHIPPED AS A HAZARDOUS WASTE WASTE BY SOURCE REDUCTION, OFF-SITE RECYCLING OR ONSITE PHYSICAL TREATMENT	SEGREGATE AND SEND OFFSITE FOR RECYCLING, REUSE OR USE ONSITE IN REFORMULATED PAINT OR CONSIDER ONSITE TREATMENT TO ELIMINATE CHARACTERISTIC RCRA WASTE CODE.	TED LEVINE DRUM CO	200376	11
TOLUENE	REDUCE THE NEED FOR OFF-SITE DISPOSAL/TREATMENT OF SHOP RAGS CONTAMINATED WITH SOLVENTS	REPLACE COTTON AND CHEESE CLOTH RAGS WITH PAPER TOWELS TO REDUCE WEIGHT; REDUCE THE SIZE OF THE CLOTH RAGS; USE A SPECIAL CONTAINER TO HOLD PAPER RAGS	THE BOEING COMPANY	200238	13
TOLUENE	REDUCE THE QUANTITY AND TOXICITY OF SOLVENTS USED IN AIRCRAFT PAINTING PROCESSES.	REDUCE MEK AS A HAND WIPE SOLVENT BY SUBSTITUTING METHYL PROPYL KETONE, REDUCE MEK AND TOLUENE BY SUBSTITUTING ACETONE IN THE PAINT GUN CLEANING PROCESS.	THE BOEING COMPANY	200238	38
TOLUENE	OZONE DEPLETING DEGREASERS: MDHS PROPOSES THE FEASIBILITY OF INSTALLING AQUEOUS DEGREASING SYSTEMS TO REPLACE EXISTING SOLVENT DEGREASING SYSTEMS (COLD & VAPOR; METHYL CHLOROFORM IS THE PRIMARY SOLVENT USED). OPPORTUNITY EXIST TO REDUCE AIR EMISSIONS & HAZARDOUS WASTE GENERATION	SCREENING TESTS ARE BEING PERFORMED ON SEVERAL UNITS. TESING INCLUDES THE CLEANING EQUIPMENT. THE 1ST VAPOR DEGREASERS HAVE SUCCESSFULLY BEEN REPLACED WITH PARTS WASHING EQUIPMENT USING NO ODC CHEMICALS. A NEW CLEANER WAS INSTALLED IN OUR CHEMPROCESSING LINE & DEFERRED THE PURCHASE OF AN ODC VAPOR DEGREASER. THE FINAL UNIT WILL BE COMPLETED IN 1997. THE TECHNOLOGY HAS PROVEN ITSELF. MDHS WILL ACHIEVE ELIMINATING TCA DURING 1997.	THE BOEING COMPANY	200238	7
TOLUENE	REDUCE HANDWIPE USE OF OZONE DEPLETING SOLVENTS AND REDUCE RELATED AIR EMISSIONS AND HAZARDOUS WASTE GENERATION	PRODUCT & MATERIAL SUBSTITUTIONS WILL BE ENCOMPASSED. PROCESS SPECIFICATIONS & PROCEDURES WILL BE MODIFIED. WILL USE DESOCLEAN 45, DESOCLEAN 20, AND TURCO 6749 WHICH ARE SOLVENT BLENDS. SAFETY ISSUE EXISTS DUE TO FLAMMABILITY	THE BOEING COMPANY	200238	8
TOLUENE / XYLENE	REDUCE USE OF TOLUENE BY 30% AND USE OF XYLENE, METHYL ETHYL KETONE, AND GLYCOL ETHERS BY 10%	REVIEW MSDS; SUBSTITUTE ETHERS FOR KETONES; USE WATER BASED STAINS AND TOPCOATS; USE WATER IN PLACE OF SOME SOLVENTS	TRENDWOOD INC - 15TH AVE	200509	2
TOLUENE	REDUCE THE QUANTITY OF HAZARDOUS PETROLEUM NAPTHA WASTE THAT RESULTS FROM METAL PARTS WASHING.	1. UTILIZE ON-SITE RECYCLING. 2. FIND AND USE NON-HAZARDOUS SUPPLEMENTAL WASH SOLUTIONS.	U-HAUL INTERNATIONAL TECHNICAL CENTER	200403	5
TOLUENE	REDUCE THE USE OF TOLUENE BY 25%	REFORMULATE FINISHING MATERIAL WITH LESS HAZARDOUS COMPONENTS.	WOODSTUFF MANUFACTURING-43RD AVE	200459	7
TOLUENE;N-BUTYL ALCOHOL	REDUCE VOC EMISSIONS FROM PAINT SPRAY OPERATIONS	EVALUATE/IMPLEMENT CURRENT CHEMISTRIES, APPLICATION REQUIREMENTS, AND ECONOMIC BENEFITS OF WATER BASED PAINTING PRODUCTS	LAMBDA ELECTRONICS, INC.	200214	2
TONER	REDUCE USE OF TONER	DRAIN TONER WEEKLY INTO A CONTAINER TO BE REUSED AND ADD GRAPH TEC TO MAKE UP WEEKLY USAGE AND ADD PRINT WARE TO MAINTAIN QUALITY	DELUXE CHECK PRINTERS	200120	2
TONER	REDUCE QUANTITY OF W.S. #1 TONER/DEVELOPER WASTE BY 50%	REVIEW WASTE IN WASTE STREAM #1. SEGREGATE CHEMICAL WASTE FROM NON-CHEMICAL TRASH.	IBM CORPORATION	200194	10
TONER	REDUCE QUANTITY OF W.S. #1 TONER/DEVELOPER WASTE BY 50%	COMPACT WASTE IN CONTAINER BEFORE SHIPPING TO REDUCE THE VOLUME AND NUMBER OF DRUMS BEING LANDFILLED.	IBM CORPORATION	200194	11
TOTAL SUSPENDED SOLIDS	REDUCE OR ELIMINATE (AS APPROPRIATE) TOTAL SUSPENDED SOLIDS DEPOSITION INTO WATERS OF THE U.S.	CONSTRUCT 3 RETENSION/ SEDIMENTATION BASINS TO IMPROVE THE BEST MANAGEMENT PRACTICES (BMP'S) FOR STORMWATER MANAGEMENT	BHP COPPER, SAN MANUEL SMELTING AND REFINING	200226	24
TOXIC CHEMICALS/ HAZARDOUS WASTES	REDUCE THE AMOUNT OF HAZARDOUS WASTE GENERATED AND TOXIC CHEMCIALS PURCHASED.	REVIEW ALL PURCHASES AND COMPLETE THE MSDS REVIEW FORM. LESS REGULATED, LESS HAZARDOUS LESS WASTE PRODUCING MATERIALS, AND NON-REPORTABLE MATERIALS WILL BE SUBSTITUTED WHEN POSSIBLE. ALL WASTES/ EXCESS PRODUCED ARE FIRST REUSED, SECOND DONATED FOR REUSE, THIRD RECYCLED AND FOURTH USUALLY INCINERATED.	U.S. DOI YUMA DESALTING PLANT	200562	10
TRACKING	PERFORM ASSESSMENT TO UPGRADE CHEMICAL TRACKING SYSTEM.	PROCURE A NEW SYSTEM TO ENSURE ACCURATE CHEMICAL TRACKING.	AMERICA WEST AIRLINES	200028	8
TRACKING PROGRAM	ESTABLISH A VOC REDUCTION PROGRAM	ACTION 4: DEVELOP NEW COATING OPERATION VOC TRACKING PROGRAM FOR NSPS COATING LINE TO QUANTIFY AND IDENTIFY SOURCES	CYTECFIBERITE	200185	12
TRACKING	IMPROVE CHEMICAL TRACKING SYSTEM	INSTALL AND TRAIN EMPLOYEES ON NEW COMPUTER SYSTEM THAT WILL ALLOW FOR EASIER CHEMICAL TRACKING.	CYTECFIBERITE	200185	30
TRACKING	TRACKING HAZARDOUS WASTE GENERATION WILL ALLOW A VERIFIABLE QUANTIFICATION OF CYPRUS MIAMI WASTE GENERATION TRENDS.	BY TRACKING HAZARDOUS WASTE GENERATION TRENDS, CMMC WILL VERIFY WASTE MINIMIZATION EFFORTS.	PHELPS DODGE MIAMI INC.	200115	11

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
TRACKING	INCREASE ACCURACY OF TRACKING HAZARDOUS WASTE GENERATION	DEVELOP A UNIFORM WASTE CODE AND HANDLING PROCEDURE FOR EACH WASTE STREAM	SFPP, L.P (PHOENIX)	200337	1
TRACKING	TRACKING IMPROVEMENTS WILL BE REQUIRED TO PROVIDE DATA ON RECYCLING WHICH IS CURRENTLY DIFFICULT TO TRACK OR NOT TRACKED.	IMPLEMENT EFFECTIVE TRACKING OF HAZARDOUS WASTE RECYCLING ACTIVITIES, BOTH OFF SITE AND ON-SITE.	U.S.A.F. - LUKE	200409	41
TRACKING	REDUCE WAREHOUSE - AGED, OFF SPEC AND DAMAGED CHEMICALS BY 10% PER YEAR	INVENTORY CONTROL PROCEDURES.	UNIVAR USA, INC.	200426	12
TRIAZA-1-AZONIAADAMANTANE	REDUCE THE PER BATCH USE OF 1-(3-CHLOROALLYL)-3,5, 7-TRIAZA-1-AZONIAADAMANTANE AS AN INDUSTRIAL PRESERVATIVE IN DRYWALL JOINT COMPOUND.	PURCHASE CHEMICAL IN BULK; TRAIN EMPLOYEES IN SAFE HANDLING; REDUCE PER BATCH USE.	MURCO WALL PRODUCTS, INC	200262	8
TRIAZA-1-AZONIAADAMANTANE	ELIMINATE THE USE OF 1-(3-CHLOROALLYL)-3, 5, 7-TRIAZA-1-AZONIAADAMANTANE AS AN INDUSTRIAL PRESERVATIVE IN DRYWALL JOINT COMPOUND.	REPLACE WITH A LESS TOXIC INDUSTRIAL PRESERVATIVE.	MURCO WALL PRODUCTS, INC	200262	9
TRICHLORETHANE	REDUCE THE QUANTITY OF HAZARDOUS PETROLEUM NAPTHA WASTE THAT RESULTS FROM METAL PARTS WASHING.	1. UTILIZE ON-SITE RECYCLING. 2. FIND AND USE NON-HAZARDOUS SUPPLEMENTAL WASH SOLUTIONS.	U-HAUL INTERNATIONAL TECHNICAL CENTER	200403	5
TRICHLOROETHANE	ELIMINATE THE USE OF 1,1,1 TCA IN DEGREASING AND CLEANING IN ALUMINUM PLATING OPERATIONS.	IDENTIFY ACCEPTABLE ALTERNATIVES SUCH AS DuPONT AXAREL, MIRACHEM 100, CRC HEAVY DUTY DEGREASER II, BASF n-METHYLPYRROLIDONE.	ABRAMS AIRBORNE MFG	200003	1
TRICHLOROETHANE	ELIMINATE THE USE OF 1,1,1 TCA (OZONE DEPLETING CHEMICAL) USED FOR CLEANING CRYOGENIC PROCESS EQUIPMENT.	INVESTIGATE NON-OZONE DEPLETING CHEMICAL SUBSTITUTE ALTERNATIVES; REPLACED WITH AN ALKALINE BASED CLEANER (BLUE GOLD).	AIR PRODUCTS AND CHEMICALS-CHANDLER	200018	1
TRICHLOROETHANE	ELIMINATE USE OF DEGREASER WITH NON-HAZARDOUS SUBSTITUTE.	REPLACE DEGREASER WITH NON-HAZARDOUS SUBSTITUTE.	ANOCAD PLATING & PAINTING CO, INC.	200037	10
TRICHLOROETHANE	ELIMINATE TRICHLOROETHANE USED TO DEGREASE METAL PARTS.	RESEARCH AND USE A NON-HAZARDOUS SUSBSITUTUE; PURCHASE A NEW DEGREASER WITH DOUBLE COOLING COILS TO REDUCE VAPORIZATION; USE PERCHLOROETHYLENE AS PRIMARY DEGREASER.	ANOCAD PLATING & PAINTING CO, INC.	200037	4
TRICHLOROETHANE	REDUCE OR ELMINATE USE OF 1,1,1 TRICHLOROETHANE CONTAINING LUBRICANT ON GIRTH GEAR DRIVE ASSEMBLY.	REPLACE WITH A LESS TOXIC LUBRICANT.	ARIZONA PORTLAND CEMENT COMPANY	200063	1
TRICHLOROETHANE	REDUCE TCA USAGE FOR CLEANING.	REPLACE TCA WITH ECOMATE FM (SOLVENT FREE DETERGENT COMPLEX).	ASTROPLATE INCORPORATED	200051	2
TRICHLOROETHANE	ELIMINATE THE USE OF TRICHLOROETHANE USED TO CLEAN EMULSIFIER OFF EQUIPMENT PARTS WITH A NON TOXIC SUBSTITUTE.	REPLACED WITH A NON-HAZARDOUS ALTERNATIVE (ECOLINK POSITRON & ELECTRON)	AZ DEPT OF EMERGENCY MILITARY AFFAIRS	200058	8
TRICHLOROETHANE	REDUCE USE OF TCA AS AN INJECTION MOLD CLEANER	SUBSTITUTE WITH A NEW CLEANER FROM LPS LAB THAT HAS NO OZONE DEPLETING CHEMICALS	BADGER METER INC - RIO RICO AZ	200494	5
TRICHLOROETHANE	ELIMINATE USE OF 1,1,1-TRICHLOROETHANE IN VAPOR DEGREASING AND EXCHANGE CABLE POLY-JACKETING TOOLS AND ENDS.	REPLACE TCA WITH HIGH FLASH POINT KEROSINE (PENRECO 2251 FOR TOOL CLEANING AND AXAREL 9100 FROM DUPONT FOR CABLE EXCHANGE ENDS)	BELDEN COMMUNICATIONS DIVISION	200052	2
TRICHLOROETHANE	ELIMINATE THE USE OF 1,1,1 TRICHLOROETHANE IN THE LUBRICATING PROCESS OF ALUMINUM CONNECTORS AND REDUCE VOC EMISSIONS ALSO. THE TCA IS USED AS A CONSTUTUENT OF A PRODUCT THAT IS APPLIED TO COAX CONNECTORS TO PROVIDE A LUBRICATED SURFACE.	DEVELOP A PROPRIETARY PRODUCT THAT CONTAINS NO TOCXIC CHEMICALS. INSTALL A CARBON FILTRATION UNIT AND TE PROCESS TANK FOR THE NEW SUBSTITUTE PRODUCT. REPLACED WITH WATER WHICH SERVED AS CARRIER FOR THE LUBRICATION.	CORNING GILBERT INC.-GLENDALE	200157	1
TRICHLOROETHANE	ELIMINATE THE USE OF 1,1,1 - TRICHLOROETHANE (TCA) USED IN AEROSOL CANS PLANTWIDE FOR DEGREASING MACHINES AND EQUIPMENT FOR PRODUCING CONNECTORS. SUBSTITUTE WITH ANOTHER PRODUCT.	REPLACED TCA WITH WATER BASED SOLVENT.	CORNING GILBERT INC.-GLENDALE	200157	2
TRICHLOROETHANE	SITE WIDE 2B: FIND ALTERNATIVE FOR 1,1,1 TCA	ACTIONS 1-3: IDENTIFY ALL USES; EVALUATE ALTERNATIVES; IMPLEMENT (REPLACE WITH LESS TOXIC SOLVENTS)	CYTECFIBERITE	200185	15
TRICHLOROETHANE	ELIMINATE USE OF 1,1,1-TRICHLOROETHANE TO CLEAN BLANKETS ON PRESS	REPLACE TCA WITH KWIK DRI CLEANER; INSTALL SEPARATOR TANK AND USE TO RECYCLE KWIK DRY	DELUXE CHECK PRINTERS	200120	1
TRICHLOROETHANE	REMOVAL OF TCA FROM FACILITY	REPLACE TCA WITH 5768 SAPONIFIER CLEANER	DYNACO ACQUISITION CORP.	200129	2

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
TRICHLOROETHANE	ELIMINATE USE OF TCA VAPOR DEGREASOR	SELECT, INSTALL EQUIPMENT UTILIZING NON-HAZARDOUS CLEANING SOLUTIONS 4 PARTS WASHERS WERE PURCHASED THAT USE NON-HAZARDOUS CLEANING SOLUTIONS. TCA VAPOR DEGREASER WAS DECOMMISSIONED 12/19/96.	F & B MANFUCTURING CO.	200140	1
TRICHLOROETHANE	ELIMINATE USE OF OIL/TCA MIXTURE IN HYDROFORM SPRAY COAT AND SUBSEQUENTLY WASTE OIL CONTAMINTED WITH TCA	CONSULT WITH INDUSTRIAL OIL VENDORS FOR ALTERNATIVE AND ALTERNATIVE THINNING AGENT	F & B MANFUCTURING CO.	200140	2
TRICHLOROETHANE	1,1,1 TRICHLOROETHANE USAGE REDUCTION OF: 50% BY 1994, 70% BY 01/01/95 1995 AND 90% BY 12/31/95	(1) MATERIAL SUBSTITUTIONS: IONOX (FURFURYL ALCOHOL); IPA; TERPENE; DEIONOZED WATER; HF1189, CITRIC ACID BASED FLUX. (2) ALTERNATE SOLDERING PROCESS: SEHO, "NO CLEAN", INERT GAS PROCESS	GENERAL DYNAMICS DECISION SYSTEMS	200257	1
TRICHLOROETHANE	PARTS CLEANERS: REDUCE USEAGE OF 1,1,1 TCA SOLVENT BY 50% IN 1993 AND ELIMINATE TCA USE DURING 1994	REPLACED TCA USAGE WITH A NON-HALOGENATED, WATER BASED, OR ELIMINATED PROCESS	GM DESERT PROVING GROUNDS	200154	1
TRICHLOROETHANE	REDUCE THE AMOUNT OF SOLVENTS USED TO CLEAN AND DEGREASE PARTS BY 15% TO 100% - 1,1,1 TCA, ACETONE, STODDARD SOLVENT ***DROPPED DO TO FACILITY INACTIVE***	REPLACE ACETONE TANK WITH AQUEOUS CLEANING STATION; REPLACE VAPOR DEGREASERS;	GOODRICH TURBOMACHINERY PRODUCTS	200434	2
TRICHLOROETHANE	REDUCE USE AND EMISSIONS OF VOCS IN CLEANING OPERATIONS 1) INVESTIGATE USE OF TECHNOLOGY BY 10/1/1998 2) CONTACT INDUSTRIES EXPERIENCED WITH TECHNOLOGY 3) INSTALL SELECTED TECHNOLOGY BY 1/1/2000 4) EVALUATE COSTS AND EFFICIENCIES OF OPERATION BY 1/1/2001	REPLACE OLDER LARGE DEGREASER WITH MORE MODERN SMALLER VAPOR DEGREASER.	HI-TECH PLATING INC.	200175	4
TRICHLOROETHANE	ELIMINATE ALL OZONE DEPLETING CHEMICALS (1,1,1 TRICHLOROETHANE AND FREON 113).	REPLACED ALL ODC VAPOR DEGREASERS WITH NON-OZONE DEPLETING AQUEOUS ALKALINE CLEANING PROCESSES. SUBSTITUTED OTHER SOLVENTS WHERE AQEUOUS CLEANING PROCESSES WERE NOT ACCEPTABLE.	HONEYWELL ENGINES AND SYSTEMS	200149	1
TRICHLOROETHANE	ELIMNATE TCA IN GENERAL ENGINE CLEANING, MAGNESIUM PARTS CLEANING AND BEARING CLEANING.	REPLACE WITH AQUEOUS BASED CLEANERS AND STEAM CLEANING	HONEYWELL AEROSPACE SERVICES	200024	1
TRICHLOROETHANE	REPLACE ALL ODC CHEMICALS PLANTWIDE.	DEVELOPED STANDARD CRITERIA FOR CLEANLINESS, RATHER THAN TIME AND MATERIAL REQUIREMENTS AND USED STANDARDS IN INTERNAL SPECIFICATIONS.	HONEYWELL ENGINES AND SYSTEMS	200149	10
TRICHLOROETHANE	REPLACE ALL ODC CHEMICALS PLANTWIDE.	ELIMINATION OF THE REQUIREMENTS TO CLEAN SO OFTEN BY INVESTIGATING "NO CLEAN" AND REDUCED CLEANING REQUIREMENTS IN MANUFACTURING OPERATIONS; USE TQI TO REDUCE STEPS.	HONEYWELL ENGINES AND SYSTEMS	200149	12
TRICHLOROETHANE	REDUCE THE EMISSIONS OF 1,1,1 TRICHLOROETHANE BY 50% (BASE YEAR 1990) BY 12/31/94 AND ELIMINATE BY 12/31/95	THE USE OF AQUEOUS CLEANERS HAVE BEEN PHASED IN DURING 1993. ALTERNATIVE SOLVENTS HAVE BEEN TESTED AS ALTERNATIVE REPLACEMENTS.	HONEYWELL - 19TH AVE PHOENIX	200181	12
TRICHLOROETHANE	ELIMINATE 1,1,1 TRICHLOROETHANE USED IN ENGINE CLEANING IN MANUFACTURING, REPAIR AND OVERHAUL.	REPLACE WITH STODDARD SOLVENT.	HONEYWELL ENGINES (FORMERLY ALLIEDSIGNAL ENGINES)	200144	2
TRICHLOROETHANE	REPLACE ALL ODC CHEMICALS PLANTWIDE.	REVIEW CONTRACTS AND ASSOC. DOCUMENTATION TO DETERMINE NECESSARY CHANGES SO THEY DO NOT REQUIRE ODC USE.	HONEYWELL ENGINES AND SYSTEMS	200149	2
TRICHLOROETHANE	REDUCE AMOUNT OF HAZARDOUS WASTE THROUGH ONSITE RECYCLING OF 1,1,1-TRICHLOROETHANE ***DROPPED****	INSTALLED SOLVENT DISTILLATION UNIT TO RECYCLE 1,1,1 TRICHLOROETHANE.	HONEYWELL ENGINES & SYSTEMS (TUCSON)	200025	3
TRICHLOROETHANE	REPLACE ALL ODC CHEMICALS PLANTWIDE	ASSURE ALL INTERNAL SPECS REFLECT ODC PHASE OUT.	HONEYWELL ENGINES AND SYSTEMS	200149	3
TRICHLOROETHANE	ELIMINATE 1,1,1 TRICHLOROETHANE USED TO CLEAN PARTS.	REPLACE 1,1,1 TRICHLOROETHANE VAPOR DEGREASERS TO USE ALPHA-METALS 2110 AQUEOUS CLEANING SOLUTION.	HONEYWELL ENGINES & SYSTEMS (TUCSON)	200025	4
TRICHLOROETHANE	ELIMINATE TCA USED TO CLEAN MAGNESIUM PARTS FOR MANUFACTURING.	REPLACE WITH AN ALKALINE CLEANLINE SYSTEM.	HONEYWELL ENGINES (FORMERLY ALLIEDSIGNAL ENGINES)	200144	4
TRICHLOROETHANE	REPLACE ALL ODC CHEMICALS PLANTWIDE.	SYSTEMATIC TESTING OF ALTERNATIVE CLEANING CHEMICALS AND PROCESSES AND QUALIFY FOR USE.	HONEYWELL ENGINES AND SYSTEMS	200149	4
TRICHLOROETHANE	ELIMINATE TCA FOR BEARING CLEANING PRIOR TO INSPECTION.	REPLACE WITH STODDARD SOLVENT AND ISOPROPYL ALCOHOL IN CLEANING PROCESS	HONEYWELL ENGINES (FORMERLY ALLIEDSIGNAL ENGINES)	200144	5

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TRICHLOROETHANE	REPLACE ALL ODC CHEMICALS PLANTWIDE.	IDENTIFY TWO OR THREE MANUFACTURERS OF CLEANING CHEMICALS WHICH CAN SATISFY REQUIREMENTS (STANDARDIZE). SELECTED WR GRACE AND BRULIN BASED ON THEIR PERFORMACE AND PRODUCT USEFULNESS IN VARIED PROCESSES.	HONEYWELL ENGINES AND SYSTEMS	200149	5
TRICHLOROETHANE	PHASE OUT USE OF OZONE DEPLETING CHEMICALS SUCH AS FREON 113, AND 1,1,1-TRICHLOROETHANE	ACTION 1: MAINTAIN 50% REDUCTION OF FREON-113 EMISSIONS (BASED ON AVERAGE OF 1987 AND 1988 FIGURES)	HONEYWELL - 19TH AVE PHOENIX	200181	6
TRICHLOROETHANE	REPLACE ALL ODC CHEMICALS PLANTWIDE.	SELECT AND TEST EQUIPMENT TO REPLACE THE ODC PROCESSES. OBTAIN LOANER EQUIPMENT, SEND PARTS TO VENDORS.	HONEYWELL ENGINES AND SYSTEMS	200149	6
TRICHLOROETHANE	PHASE OUT USE OF OZONE DEPLETING CHEMICALS	ACTION 2: INSTALLED IN-LINE AQUEOUS CLEANER TO REPLACE SEVERAL DEGREASERS USING EITHER FREON-113 OR TCA	HONEYWELL - 19TH AVE PHOENIX	200181	7
TRICHLOROETHANE	REPLACE ALL ODC CHEMICALS PLANTWIDE.	DEVELOP A PROCEDURE TO ASSURE FUTURE CONTRACTS DO NOT CALL OUT FOR THE USE OF ODC's OR OTHER CHEMICALS, MATERIALS, OR PROCESSES. A GROUP WAS FORMED TO REVIEW ALL INCOMING PROPOSALS. EXCEPTIONS ARE REQUESTED WHEN HAZADROUS MATERIALS USE IS PROPOSED BY OUR CUSTOMERS.	HONEYWELL ENGINES AND SYSTEMS	200149	7
TRICHLOROETHANE	REPLACE ALL ODC CHEMICALS PLANTWIDE	REVIEW AND MODIFY IN-HOUSE SPECS TO EXCLUDE REFERENCES TO ODC'S.	HONEYWELL ENGINES AND SYSTEMS	200149	8
TRICHLOROETHANE	REPLACE ALL ODC CHEMICALS PLANTWIDE.	DEVELOP A TESTING PROTOCOL FOR POTENTIAL NEW CLEANING CHEMICALS TO PRESCREEN THEM PRIOR TO INTRODUCING ACTUAL HARDWARE.	HONEYWELL ENGINES AND SYSTEMS	200149	9
TRICHLOROETHANE	REPLACE OZONE DEPLETING SOLVENTS FREON 113 AND 1,1,1 TRICHLOROETHANE IN MANUFACTURING AND CLEAN OPERATIONS	REPLACE FREON 113 (GENESOLV) AND 1,1,1-TRICHLORO WITH SUBSTITUTE CLEANERS	HUCK FASTENERS	200183	2
TRICHLOROETHANE	ELIMINATE USAGE OF METHYL CHLOROFORM (EXCEPT AS AN ANALYTICAL STANDARD)	FIND A SUBSTITUTE FOR CURRENT METHYL CHLOROFORM USAGES.	IBM CORPORATION	200194	2
TRICHLOROETHANE	ELIMINATE THE USE OF 1,1,1 TRICHLOROETHANE AND FREON 113 CHEMICALS FROM ALL MANUFACTURING PROCESSES	REMOVE 1000 GAL FREON 113 HOLD TANK TO MINIMIZE EVAP LOSSES, USE SUBSTITUTES FOR TCA & FREON (NON OZONE DEPLETING CHEMICALS)	ITT CANNON - PHOENIX	200199	1
TRICHLOROETHANE	ELIMINATE THE USE OF TAPMATIC #1 MACHINING LUBRICANT	REPLACE WITH COOL TOOL II, A NON-HAZARDOUS LUBRICANT	JOHNS MANVILLE INTERNATIONAL INC.	200227	2
TRICHLOROETHANE	ELIMINATE THE NEED TO CLEAN EQUIPMENT WITH 1,1,1 TRICHLOROETHANE.	PURCHASE INVENTORY AND USE A NEW AQUEOUS SPRAY CLEANER (LPS SUPER CLEANER).	JOHNS MANVILLE INTERNATIONAL INC.	200227	5
TRICHLOROETHANE	ACHIEVE A 70% REDUCTION OF TOTAL HAZARDOUS CHEMICALS USED AND WASTE GENERATED: TCA (OBJ. 1) **GOAL DROPPED**	ELIMINATE VAPOR DEGREASING BY 12/31/95 BY REPLACEMENT WITH AQUEOUS CLEANERS.	KACHINA AEROSPACE & SEMICONDUCTOR	200203	1
TRICHLOROETHANE	AMENDMENT 1 - REDUCTION OF SOLVENT USAGE AND FUGITIVE EMISSIONS	OBTAIN APPROVAL TO USE TCE IN PLACE OF TCA	KACHINA AEROSPACE & SEMICONDUCTOR	200203	12
TRICHLOROETHANE	AMENDMENT 1 - PROCESS MODIFICATIONS AND METHODS TO MINIMIZEX THE USAGE OF PROCESS CHEMICALS	FORM A TEAM WITH MEMBERS FAMILAR WITH THE PROCESSING SOLUTIONS AND THE CHEMICAL PROCESS. BRAINSTORM NEW OPPORTUNITIES.	KACHINA AEROSPACE & SEMICONDUCTOR	200203	17
TRICHLOROETHANE	8.1.1 MATERIAL SUBSTITUTION: ELIMINATE THE USE OF TCA IN THE CLEANING PROCESS BY MAY 1994	A PHOSPHATE WASH LINE WAS INSTALLED AT LORN. THIS AQUEOUS CLEANER COMPLETELY REPLACED USE OF TCA. ALL PARTS CLEANING AT MAXIMET ARE DONE USING DARACLEAN, A WATER BASED CLEANER.	KARSTEN PRECISION BRAZE-WELD-PLATE	200230	1
TRICHLOROETHANE	ELIMINATE 1,1,1 TCA USED AS A CLEANER/DEGREASER IN THE SHEET METAL SHOP	EVALUATE POSSIBLE REPLACE-MENTS: HCFC's, STABILIZED ALCOHOLS, TERPENES, ADVANCED ENZYME CLEANERS. REPLACED TCA WITH HFC 141B (CLASS II ODS)	LAMBDA ELECTRONICS, INC.	200214	1
TRICHLOROETHANE	REDUCE FUGITIVE EMISSIONS OF 1,1,1 TCA DURING TRANSFER AND DECANTING FROM 5 GAL DRUMS TO 1 GAL DRUMS	REQUIRE SUPPLIER TO PROVIDE 1,1,1 TCA IN 1 GALLON DRUMS RATHER THAN 5 GAL DRUMS TO ELIMINATE TRANSFER PROCESS AND FUGITIVE EMISSIONS	LINATEX CORPORATION OF AMERICA	200470	1

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TRICHLOROETHANE	ELIMINATE USE OF 1,1,1 TRICHLOROETHANE IN PLATE WASHING	SUBSTITUTE WITH APPLIED ENVIRONMENTAL SERVICES SOAP FORMULATION #FF44531001 IN LIEU OF 1,1,1 TCA	LINATEX CORPORATION OF AMERICA	200470	2
TRICHLOROETHANE	ELIMINATE 1,1,1 TRICHLOROETHANE (CHLOROTHENE-SM) FROM MACHINE SHOP AND COMPONENTS ASSEMBLY AREA (PARTS CLEANING) OPERATIONS	REPLACE IN DIP TANKS WITH "CRYSTAL SIMPLE GREEN" AQUEOUS CLEANER IN HEATED MANUAL PARTS WASHERS.	LINCOLN LASER COMPANY	200217	1
TRICHLOROETHANE, NAPHTHA	REDUCE QUANTITIES OF HAZARDOUS AND/OR FLAMMABLE SOLVENTS (SUCH AS TCA, MEK, NAPTHA, & IPA) USED FOR PARTS WIPE CLEANING	RESEARCH/EVALUATE NEW PRODUCTS FOR SUBSTITUTION, IMPROVE INVENTORY CONTROL SO SHELF LIFE IS NOT EXCEEDED. REPLACE NAPHTHA WITH AQUEOUS CLEANERS (MIRACHEM 100 & 500)	LOCKHEED AEROMOD AIRCRAFT CENTERS	200219	1
TRICHLOROETHANE	8.O.E: REDUCE OR ELIMINATE THE USE OF 1,1,1 TRICHLORETHANE AS A PART DEGREASING AND CLEANING AGENT	REPLACED 1,1,1 TCA WITH TRICHLOROETHYLENE, A CLASS II SUBSTANCE; ELIMINATED SMALLER DEGREASING OPERATION COMPLETELY	MCCULLOCH CORP (LAKE HAVASU)	200234	5
TRICHLOROETHANE	ELIMINATE USAGE OF 1,1,1-TRICHLOROETHANE IN THE MANUFACTURING AREAS ALSO REDUCING EMISSIONS.	REPLACE TCA WITH A CITRUS BASED SOLVENT.	MI HOME PRODUCTS INC.	200072	1
TRICHLOROETHANE	ELIMINATE TOXIC CLEANING SOLVENTS USED FOR MAINTENANCE.	REPLACE CLEANER CONTAINING TCA WITH AN ALIPHATIC/LIMONENE BLEND.	MI HOME PRODUCTS INC.	200072	6
TRICHLOROETHANE	ELIMINATE THE USE OF 1,1,1 - TRICHLOROETHANE IN WAFER MANUFACTURING	PRODUCT SUBSTITUTION FROM 1,1,1- TRICHLOROETHANE TO HYDROGEN CHLORIDE GAS IN WAFER MANUFACTURING	MICROCHIP TECHNOLOGY-CHANDLER	200247	4
TRICHLOROETHANE	ELIMINATE USE OF 111 TCA FOR VAPOR DEGREASING IN DIODE PROCESSING (45 MILLION DIODES/YEAR)	INSTALL AN AQUEOUS CLEANING SYSTEM TO REPLACE 111 TCA VAPOR DEGREASERS	MICROSEMI CORP.	200246	3
TRICHLOROETHANE	ELIMINATE TCA IN THE DIFFUSION PROCESS.	INSTALL TEMPORARY HCL LINE TO FURNACE; MODIFY GAS PANEL; INSTALL REPLACEMENT SYSTEM.	MOTOROLA SCG	200253	11
TRICHLOROETHANE	8.02 OZONE DEPLETING MATERIALS: ELIMINATE 1,1,1 TCA DEGREASING PROCESSES	SUBSTITUTE AQUEOUS CLEANING SOLUTIONS FOR 1,1,1 TCA: AXALREL 32 - MIXED ALIPHATIC HYDROCARBONS; BIOACT EC-7R- TERPENE BASED.	MOTOROLA - CHANDLER	200254	2
TRICHLOROETHANE	ELIMINATE 1,1,1 TRICHLOROETHANE USED IN DIFFUSION PROCESS.	REPLACE WITH PROPRIETARY SUBSTANCE KNOWN AS SCHUMACHER TRANS-LC (STLC); DEVELOP APPARTUS TO ASSIST.	MOTOROLA SCG	200253	2
TRICHLOROETHANE	ELIMINATE TCA AND FREON 113 USED TO CLEAN WAX FROM BASE AND WAFERS.	USE WATER PLATE CLEANING PROCESS; USE A NON-ODC SOLVENT MIXTURE; RESEARCH WAXLESS MOUNT PROCESS.	MOTOROLA SCG	200253	6
TRICHLOROETHANE	ELIMINATE TRICHLOROETHANE FROM VARIOUS APPLICATIONS.	REPLACE WITH ACETONE, ISOPROPYL ALCOHOL, SEMIAQUEOUS OR AQUEOUS CLEANERS, OR ELIMINATE STEP.	MOTOROLA-TEMPE	200259	4
TRICHLOROETHANE	ELIMINATE 1,1,1, TRICHLOROETHANE.	REPLACE DEGREASER WITH AQUEOUS CLEANING SYSTEM.	OBERG - ARIZONA	200270	1
TRICHLOROETHANE	ELIMINATE USE OF TCA IN DEGREASING OPERATION	SUBSTITUTE NON-TOXIC X-IT PLUS AND PRE-KOTE AQUEOUS BASED CLEANERS/DEGREASERS FOR TCA	OHLINGER INDUSTRIES, INC.	200561	2
TRICHLOROETHANE	MAINTENANCE: REDUCE HALOGENATED SOLVENT USE AT TRUCK WASH AND MINE SHOP AND WASH RACK	INVESTIGATE REPLACEMENT WITH SUBSTITUTES SUCH AS SAFETY KLEEN; POSSIBLE SOLVENT RECYCLING	PHELPS DODGE BAGDAD, INC.	200114	11
TRICHLOROETHANE	ELIMINATE USE OF CFC'S IN FINAL ASSEMBLY AND VAPOR DEGREASING APPLI-CATIONS.	REPLACE TCA & GENESOLVE WITH TPC SOLVENT	PING, INC	200208	1
TRICHLOROETHANE	ALTERNATE CLEANERS: ELIMINATE OZONE DEPLETING CHEMICALS FROM ALL MANUFACTURING PROCESSES BY THE END OF OCTOBER 1993	INSTALL AQUEOUS, IPA, ALKALINE CLEANERS AS REPLACEMENTS. REPLACE VAPOR DEGREASERS, INSTALL SEMIAQUEOUS SYSTEM FOR REWORK; REPLACE PERIPHERAL ODC SYSTEMS; REPLACE SECONDARY SOURCE EMISSIONS	RAYTHEON COMPANY USAF PLANT 44	200184	1
TRICHLOROETHANE	ENVIRONMENTAL MANAGEMENT OF NEW PROGRAMS: CHANGE TO NON-ODC PROCESSES PRIOR TO TRANSFER TO TUCSON FACILITY	TRANSITION PLANS FOR TRANSFER OF EQUIPMENT FROM CALIFORNIA PLANT (BEING CLOSED)	RAYTHEON COMPANY USAF PLANT 44	200184	14
TRICHLOROETHANE	ELIMINATE ODC'S FROM MANUFACTURING: FLUX ALTERNATIVES - OBTAIN FEDERAL APPROVAL TO USE WATER SOLUBLE FLUXES	REPLACE NON-WATER SOLUBLE FLUX WITH SOLUBLE FLUX HP1189. ALLOW WATER SOLUBLE FLUX USE AS PROVIDED; APPROVED MIL-STD-2000 REVISION 4/93	RAYTHEON COMPANY USAF PLANT 44	200184	2
TRICHLOROETHANE	HAZ WASTE DISPOSAL AND TREATMENT: TRANSFER LAB PACKING TO ERC	TRANSFER LAB PACK RESPONSIBILITY FROM CONTRACTOR TO IN HOUSE EMPLOYEES TO REDUCE HAZ WASTE VOLUME AND REDUCE COST BY 76%	RAYTHEON COMPANY USAF PLANT 44	200184	27

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
TRICHLOROETHANE	ELIMINATE ODC'S FROM MANUFACTURING: INERT ATMOSPHERE SOLDERING - ELIMINATE FLUX IN MICROELECTRONICS ASSEMBLY **DROPPED**	PERFORM TESTING TO IMPLEMENT AND QUALIFY INERT ATMOSPHERE SOLDERING PROCESS FOR USE FOR SUBSTRATE AND COMPONENT ATTACHMENTS	RAYTHEON COMPANY USAF PLANT 44	200184	3
TRICHLOROETHANE	SEE ABOVE **GOAL DROPPED**	USE ANOTHER GLUE THAT DOES NOT USE TOXIC MATERIALS.	SEA RAY BOATS, INC.	200334	10
TRICHLOROETHANE	SEE ABOVE	IMPROVE GLUE PROCESS TO REDUCE USAGE IN UPHOLSTERY AND ASSEMBLY SECTION. USE ONLY ENOUGH GLUE TO COVER.	SEA RAY BOATS, INC.	200334	11
TRICHLOROETHANE	ELIMINATE USE OF 1,1,1-TRICHLOROETHANE IN CARPET ADHESIVE.	IMPLEMENT USE OF LATEX BASED ADHESIVE.	SEA RAY BOATS, INC.	200334	12
TRICHLOROETHANE	ELIMINATE THE USE OF 1,1,1 TRICHLOROETHANE IN THE GLUE AND GUN FLUSH ** GOAL DROPPED **	USE PRESSURE ROLLER TO APPLY GLUE.	SEA RAY BOATS, INC.	200334	13
TRICHLOROETHANE	ELIMINATE THE USE OF 1,1,1 - TRICHLOROETHANE IN THE GLUE AND GUN FLUSH.	EVALUATE DIFFERENT SOLVENT TO FLUSH FOAM GUN. USE DISHSOAP AND WATER INSTEAD.	SEA RAY BOATS, INC.	200334	9
TRICHLOROETHANE	REDUCE THE USE OF CFC's (1,1,1 TCA, FREON 12) IN THE ALUMINUM FOUNDRY, INSPECTION AND MACHINING AREAS	1,1,1 TCA WAS REPLACED BY AQUEOUS CITRUS BASED CLEANERS. THE FREON 12 HAS BEEN REPLACED BY THE INERT GAS (N2) IN THE ALUMINUM FOUNDRY	STURM RUGER AND COMPANY, INC.	200362	1
TRICHLOROETHANE	POLLUTION PREVENTION FOR SOLVENTS AND OTHER VOC MATERIALS (ACETONE, PAINT THINNERS, ETC)	EVALUATE AND IMPLEMENT MATERIAL CONSERVATION AND/ OR STRATEGIES, IDENTIFY AND EVALUATE NEW PROCESSES AND MATERIALS TO REDUCE THESE. REDUCED VOC's BY PRODUCT REPLACEMENT AND USED NON-VOC PROPELLANTS.	STURM RUGER AND COMPANY, INC.	200362	6
TRICHLOROETHANE	ACHIEVE BETTER CONTROL OF CHEMICAL QUANTITIES USED (XYLENE, TCA) IN PAINTING AND METAL CLEANING	KEEP DAILY LOGS OF CHEMICAL USE, INCLUDE TRAINING ON P2 AND SOURCE REDUCTION TECHNIQUES	SUB-ZERO FREEZER CO., INC.	200363	1
TRICHLOROETHANE	ELIMINATE THE USE OF 1,1,1 TRICHLOROETHANE TO CLEAN METAL PARTS BEFORE PAINTING	SUBSTITUTE TCA WITH DI-LIMONENE	SUB-ZERO FREEZER CO., INC.	200363	3
TRICHLOROETHANE	REPLACE TCA AS A GENERAL USE SOLVENT IN PLANT 4. (BY 1-1-94) AND IN PLANT 1,2 & 3 (BY 1-1-95).	REPLACED TCA WITH NON-HAZARDOUS PETROLEUM NAPTHA (RINSOLVE 140 AND BRULIN M1793)	TALLEY DEFENSE SYSTEMS - PLT 4	200370	1
TRICHLOROETHANE	REDUCE SOLVENT CONTAMINATED DEBRIS ** GOAL DROPPED **	SEGREGATE NON-HAZARDOUS FROM THE HAZARDOUS CONTAMINATED DEBRIS	TALLEY DEFENSE SYSTEMS - PLT 4	200370	3
TRICHLOROETHANE	ELIMINATE 1,1,1 TCA AS A SPOT CLEANER ON TENNIS BALLS BY 1/1/95.	REPLACED WITH TCA WITH KWIK-SOLV.	TEX TECH INDUSTRIES, INC	200379	1
TRICHLOROETHANE	REDUCE 1,1,1 TCA USE BY 65% IN 1992, 75% IN 1993 AND TO COMPLETELY ELIMINATE ITS USE BY THE END OF 1995 (1989 BASELINE)	ELIMINATE ALL USES OF LOW GRADE 111-TCA BLEND ** GOAL DROPPED **	TEXAS INSTRUMENTS TUCSON	200077	3
TRICHLOROETHANE	REDUCE USE 1,1,1 TCA 75% 1993: DECIDE TO CHANGE FLUX OR CLEANING PROCESS AT WAVE SOLDER AND IMPLEMENT	CHANGE CLEANING PROCESS FROM VAPOR DEGREASER TO A WATER RINSABLE HIGH MOLECULAR WT ALCOHOL (KYZEN IONONX FCR) IN AN IN LINE BELT CLEANER	TEXAS INSTRUMENTS TUCSON	200077	4
TRICHLOROETHANE	REDUCE 1,1,1 TCA 75% IN 1993: DETERMINE IF SUITABLE ALTERNATE FLUX SYSTEM IS AVAILABLE FOR SUBSTRATE ATTACH PROCESS	A WATER RINSIBLE ALCOHOL (KYZEN IONONX FCR) IN LINE BELT CLEANER WILL REPLACE THE 1,1,1 TCA VAPOR DEGREASER USED TO CLEAN COMPONENTS AFTER SUBSTRATE IS ATTACHED	TEXAS INSTRUMENTS TUCSON	200077	5
TRICHLOROETHANE	ELIMINATE USE OF 1,1,1-TCA BY SUPPORT GROUPS	CONVERT DEFLUXING DONE BY SUPPORT GROUPS TO AN ALTERNATIVE PROCESS.	TEXAS INSTRUMENTS TUCSON	200077	6
TRICHLOROETHANE	REDUCE HANDWIPE USE OF OZONE DEPLETING SOLVENTS AND REDUCE RELATED AIR EMISSIONS AND HAZARDOUS WASTE GENERATION	PRODUCT & MATERIAL SUBSTITUTIONS WILL BE ENCOMPASSED. PROCESS SPECIFICATIONS & PROCEDURES WILL BE MODIFIED. WILL USE DESOCLEAN 45, DESOCLEAN 20, AND TURCO 6749 WHICH ARE SOLVENT BLENDS. SAFETY ISSUE EXISTS DUE TO FLAMMABILITY	THE BOEING COMPANY	200238	8
TRICHLOROETHANE	ELIMINATE THE USE OF 1,1,1 TRICHLOROETHANE IN THE FINISHING PROCESS	REMOVED TRICHLOROETHANE IN STAINS; STAINS ARE NOW MOSTLY MINERAL SPIRITS; USE WATER STAINS; USE BUTYL ACETATE INSTEAD; USE WATER TOPCOATS	TRENDWOOD INC - 15TH AVE	200509	1
TRICHLOROETHANE	ELIMINATION OF 1,1,1 TCA IN THE PLANT THROUGH FOUR PHASES.	REPLACED TCA WITH OZONE FRIENDLY TRICHLOROETHYLENE IN DEGREASERS, USE STODDARD SOLVENT AT THE MACHINE SITES AND COLD DEGREASING TANKS.	TRIUMPH CORPORATION	200394	1

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TRICHLOROETHANE	ELIMINATE CARBO CHLOR, A SOLVENT USED TO DEGREASE MECHANICAL/ELECTRICAL COMPONENTS OF CLINICAL HOSPITAL EQUIPMENT	REPLACE WITH OTHER SAFETY SOLVENTS THAT ARE LESS HAZARDOUS, EXAMPLE: CRC-2-26	TUCSON GENERAL HOSPITAL	200398	3
TRICHLOROETHANE	ELIMINATE LIQUID PAPER ERADICATION SOLUTION FROM INVENTORY	REPLACE WITH A SAFER NON-TOXIC ERADICATOR	TUCSON GENERAL HOSPITAL	200398	4
TRICHLOROETHANE	ELIMINATE HAZARDOUS WASTE DISPOSAL OF CARBON FILTERS FROM THE NDI TREATMENT PROCESS.	REACTIVATE CARBON TREATMENT UNITS. INVESTIGATE RECYCLING CARBON. ONGOING REVIEW OF HOUSEKEEPING PROCEDURES.	U.S. MARINE CORPS - YUMA AIR STATION	200407	8
TRICHLOROETHANE	REDUCE THE CHLORINATED SOLVENTS USED IN VAPOR DEGREASERS. DEVELOP DAILY LOGS FOR RECORD KEEPING (1/99). REVIEW AIR EMISSIONS (3/99). ASSESS ALTERNATIVES FOR FURTHER REDUCTION (7/99). IMPLEMENT SELECTED ALTERNATIVE (1/2000).	REPLACE VAPOR DEGREASER WITH WATER BASED DEGREASER.	UNITED MUSICAL INSTRUMENTS - NOGALES	200418	3
TRICHLOROETHANE	REUSE THE LACQUER REDUCER IN THE LACQUER SPRAYING SYSTEM.	EVALUATE A PILOT TEST TO EXAMINE FEASIBLITY OF REUSING LACQUER.	UNITED MUSICAL INSTRUMENTS - NOGALES	200418	5
TRICHLOROETHANE	3.1a, 3.1b: OVERALL PLANT WIDE REDUCTION GOAL- REDUCE TCA: REDUCE THE USE OF 1,1,1 TCA BY 30% IN 1992, 45% IN 1993, 60% IN 1994, 95% IN 1995, AND TOTAL ELIMINATION BY 12/31/1997. GOAL CLOSED EFFECTIVE 12/31/1997.	3.1b GOAL A: ESTABLISH IMPROVED INVENTORY CONTROLS AND HANDLING PRACTICES OF TCA IN THE STORAGE AREAS AS WELL AS DURING TRANSPORT TO THE MANUFACTURING FACILITIES BY DEC. 1992. ACTION PLAN (1):PURCHASE PROPER SAFETY CONTAINERS FOR ALL MANUFACTURING AREAS (CLOSED 12/31/1992) ACTION PLAN (2): IMPLEMENT USE OF DAILY LOGS IN EACH BULK STORAGE SHED (CLOSED 11/30/92). ACTION PLAN (3) TRAIN EMPLOYEES AND SUPERVISORS IN PROPER HANDLING PROCEDURES (closed 1993).	UNIVERSAL PROPULSION COMPANY INC.	200421	1
TRICHLOROETHANE	3.1c: REDUCE THE USE OF TCA-CONTINUED. (THIS IS STILL PART OF OVERALL GOAL #1 AND THIS GOAL WILL BE MEASURED AS PART OF GOAL #1.)	3.1c GOAL B: BY APRIL 1993, REMODEL PRESENT OPEN STORAGE SHEDS TO PROVIDE CLOSED FACILITIES TO MAINTAIN TEMPERATURES BELOW THE SOLVENT BOILING POINT. ACTION PLAN (1) DETERMINE LABOR AND MATERIAL COSTS BY JAN. 1993 (CLOSED 1993); ACTION PLAN (2) PURCHASE COOLERS AND OTHER MATERIALS, AND COMPLETE CONSTRUCTION BY APRIL 1993 (CLOSED 1993).	UNIVERSAL PROPULSION COMPANY INC.	200421	2
TRICHLOROETHANE	3.1d:REDUCE THE USE OF TCA-CONTINUED (THIS IS STILL PART OF OVERALL GOAL #1 AND THIS GOAL WILL BE MEASURED AS PART OF GOAL #1.)	3.1d GOAL C: BY DEC. 1993,PROVIDE SUBSTITUTES FOR TCA IN ALL CLEANING/DEGREASING AND SURFACE PREPARATIONS OPERATIONS WHERE TCA IS NOT CONTRACTUALLY REQUIRED. ACTION PLAN (1) CONDUCT A LITERATURE SEARCH FOR BEST POSSIBLE REPLACEMENTS AND OBTAIN SAMPLES BY SEPT. 1992 (CLOSED 1993); ACTION PLAN (2) TEST SELECTED SUBSTITUTES BY OCT. 1992 (CLOSED 1993); ACTION PLAN (3) SELECT THE BEST SUBSTITUTE BY OCT. 1992 FOR ALL PROCESSES WHERE NOT REQUIRED BY CONTRACT (CLOSED 1993; ACTION PLAN (4): COMPLETION OF SOLVENT REDUCTION COMMITTEE REPORT BY DEC. 1992 (CLOSED 1992); ACTION PLAN (5) UPON APPROVAL OF THE SOLVENT REDUCTION REPORT, ISSUE POLICY INSTRUCTIONS TO USE TCA SUBSTITUTES IN ALL CLEANING OPERATIONS WHERE TCA IS NOT CUSTOMER SPECIFIED (CLOSED 1993); ACTION PLAN (6) REVISE UPCO DOCUMENT 4015.	UNIVERSAL PROPULSION COMPANY INC.	200421	3
TRICHLOROETHANE	3.1e:REDUCE THE USE OF TCA - CONTINUED. (THIS IS STILL PART OF OVERALL GOAL #1 AND THIS GOAL WILL BE MEASURED AS PART OF GOAL #1.)	3.1e GOAL D: ATTEMPT TO NEGOTIATE AWAY MANDATORY TCA USE REQUIREMENTS FROM NASA AND DOD CONTRACTS BY DEC. 1994. ACTION PLAN (1) BY MARCH 1993, THE P2 TASK FORCE WILL LIST ALL UPCO CONTRACTS WHICH WILL REQUIRE TCA USE BEYOND DEC. 1994 (CLOSED 1993); ACTION PLAN (2) THE CONTRACTING DEPT. WILL REVIEW ALL FUTURE COONTRACTS FOR REQUIRED TCA USE, AND ATTEMPT TO NEGOTIATE WITH CUSTOMER FOR USE OF ALTERNATIVE CLEANERS (UPCO POLICY EFFECTIVE MAR. 1993 (CLOSED 1993); ACTION PLAN (3) EXCEPT WHERE CONTRACTUALLY REQUIRED, REVISE ALL MANUFACTURING PROCESS DOCUMENTATION, WHEN ISSUED, TO REMOVE TCA AS SOLVENT OF CHOICE. THIS WILL BE COMPLETED BY JUNE 30, 1994 (CLOSED 1996);	UNIVERSAL PROPULSION COMPANY INC.	200421	4
TRICHLOROETHYLENE	ELIMINATE TRICHLOROETHYLENE (TCE) USED TO CLEAN HEADING PUNCHES AND DRIVER BITS. 1) RESEARCH ALTERNATIVES. 2)TEST SEVERAL ALTERNATIVES ON A SMALL SCALE. 3) IMPLEMENT THE BEST ALTERNATIVE	REPLACE TCE WITH ALPHA 3 WATER BASED CLEANER, A SAFER ALTERNATIVE CLEANER WHICH CONTAINS NO TCE CHEMICALS.	AIR TUF PRODUCTS INC. - PHOENIX, AZ	200614	1
TRICHLOROETHYLENE	ELIMINATE ALL TCE (CLEAN, SPENT, AND CONTAMINATED) FROM SITE.	TRAIN EMPLOYEES TO CONDUCT ACCURATE INVENTORIES OF HAZARDOUS WASTE. ENSURE ALL WASTE IS SHIPPED OFF-SITE WITHIN 3 MONTHS OF THE ACCUMULATION DATE.	AIR TUF PRODUCTS INC. - PHOENIX, AZ	200614	3
TRICHLOROETHYLENE	ELIMINATE THE USE OF REMA TIP TOP NO. 13 SOLVENT (TCE COMPONENT).	REPLACE WITH A SUITABLE NON-HAZARDOUS SOLVENT	ASARCO - MISSION COMPLEX (SAHUARITA)	200047	6
TRICHLOROETHYLENE	ELIMINATE GENERATION OF TCE ASSOCIATED WASTES.	TEST AND EVALUATE NEW REPLACEMENTS FOR NO 13 SOLVENT	ASARCO - MISSION COMPLEX (SAHUARITA)	200047	8

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
TRICHLOROETHYLENE	REDUCE TCE EMISSIONS BY 5% ANNUALLY FOR A TOTAL REDUCTION OF 25% OVER 5 YEARS.	1) TRAIN OPERATORS IN BEST MANAGEMENT PRACTICES FOR USAGE OF THE VAPOR DEGREASER. 2) ADD AUTOMATIC COVERS TO VAPOR DEGREASER TO ENSURE THEIR USE. 3) INSTALL A DISTILLATION UNIT TO RECOVER USED TCE FOR REUSE OR OUTSOURCE SERVICE FOR RECOVERY. 4) FOCUS GROUP FORMED TO ADDRESS ADDITIONAL IDEAS FOR REDUCTION IN USAGE OF TCE.	BOC EDWARDS KACHINA	200724	1
TRICHLOROETHYLENE	REDUCE THE USE OF TRICHLOROETHYLENE BY EXPANSION OF WATER SOLUBLE GREASING FLUIDS AND PARTS WASHERS.	EXPAND THE USE OF WATER SOLUBLE DEGREASING FLUIDS AND PARTS WASHERS	CHROMIZING ARIZONA	200095	13
TRICHLOROETHYLENE	REDUCE TRICHLOROETHYLENE USAGE IN VAPOR DEGREASER BY 100%.	TEST AQUEOUS/ NON-AQUEOUS VAPOR DEGREASER SOLUTIONS TO BE USED AS A SUBSTITUTE FOR TRICHLOROETHYLENE. REPLACE TRICHLOROETHYLENE WHEN AN ADEQUATE SUBSTITUTE IS FOUND.	CHROMIZING ARIZONA	200095	21
TRICHLOROETHYLENE	PARTS CLEANERS: REDUCE THE USE OF CORROSIVE CARBURETOR CLEANER CONTAINING CADMIUM, CHROMIUM, PCE, & TCE	ELIMINATE PROCESS AND SUBSTITUTE WITH RECYCLABLE CLEANERS (NON-CORROSIVE)	GM DESERT PROVING GROUNDS	200154	2
TRICHLOROETHYLENE	AMENDMENT 1 - REDUCTION OF SOLVENT USAGE AND FUGITIVE EMISSIONS ** GOAL DROPPED **	PURCHASE AND INSTALL A CONTINUAL DISTILLATION UNIT TO RECYCLE USED TCE ON SITE	KACHINA AEROSPACE & SEMICONDUCTOR	200203	13
TRICHLOROETHYLENE	AMENDMENT 1 - REDUCTION OF SOLVENT USAGE AND FUGITIVE EMISSIONS ** GOAL DROPPED **	PURCHASE AND INSTALL A VAPOR RECOVERY SYSTEM TO CAPTURE AND DESORB TCE FOR REUSE IN THE VAPOR DEGREASER	KACHINA AEROSPACE & SEMICONDUCTOR	200203	14
TRICHLOROETHYLENE	AMENDMENT 1 - REDUCTION OF SOLVENT USAGE AND FUGITIVE EMISSIONS	DEVELOP TRAINING PROGRAM AND TRAIN EMPLOYEES ON PROPER DEGREASING TECHNIQUE AND SAFE HANDLING OF TCE	KACHINA AEROSPACE & SEMICONDUCTOR	200203	15
TRICHLOROETHYLENE	REDUCE TCE EMISSIONS BY 5% ANNUALLY FOR A TOTAL REDUCTION OF 25% OVER 5 YEARS.	TRAIN OPERATORS IN THE BEST MANAGEMENT PRACTICES FOR USAGE OF VAPOR DEGREASER, ADD AUTOMATIC COVERS TO VAPOR DEGREASER TO ENSURE THEIR USE, FOCUS GROUP FORMED TO ADDRESS ADDITIONAL IDEAS FOR REDUCTION IN USAGE OF TCE.	KACHINA AEROSPACE & SEMICONDUCTOR	200203	21
TRICHLOROETHYLENE	ELIMINATE TCE USED IN VAPOR DEGREASER.	IDENTIFY AN AQUEOUS CHEMISTRY AND N-PROPYL BROMIDE AS A SUBSTITUTE THAT CAN BE USED IN THE PROCESS AND STILL MEET CUSTOMER SPECIFICATIONS.	KACHINA AEROSPACE & SEMICONDUCTOR	200203	22
TRICHLOROETHYLENE	REDUCE TCE EMISSIONS AND WASTE GENERATED BY VAPOR DEGREASER.	INSTALL A ONSITE DISTILLATION UNIT OR OUTSOURCE DISTILLATION OF TCE FOR REUSE IN VAPOR DEGREASER	KACHINA AEROSPACE & SEMICONDUCTOR	200203	23
TRICHLOROETHYLENE	ELIMINATE ISOPROPYL ALCOHOL AND 1,1,1 TRICHLOROETHANE IN TOOL CLEAN.	UTILIZE AQUEOUS CLEANERS IN VAPOR DEGREASER, MANUAL CLEANING AND TOOL CLEANING AREAS.	R.E. DARLING COMPANY, INC.	200306	1
TRICHLOROETHYLENE	REDUCE THE USE OF TRICHLOROETHYLENE TO LESS THAN 11,500 KG IN 1994 AND LESS THAN 4,545 KG IN 1995.	INSTALL DISTILLATION UNIT ON VAPOR DEGREASER; RESEARCH AQUEOUS CLEANERS.	R.E. DARLING COMPANY, INC.	200306	2
TRICHLOROETHYLENE	ELIMINATE THE USE OF TRICHLOROETHYLENE.	REPLACE VAPOR DEGREASER AND TCE WITH AQUEOUS CLEANING SYSTEM.	TREFFERS PRECISION, INC.	200391	8
TRICHLOROETHYLENE	REDUCE OR ELIMINATE THE USE OF VAPOR DEGREASERS USING TCE.	RESEARCH NON TOXIC PRODUCTS, REPLACE VAPOR DEGREASERS WITH AQUEOUS SYSTEMS, OPTIMIZE PROCESS LINES AND RE-ENGINEER. REMOVED TWO DEGREASERS FROM SERVICE.	TRIUMPH CORPORATION	200394	3
TRICHLOROETHYLENE	TRAINING OPERATORS IN THE PROPER USE OF THE VAPOR DEGREASER WILL REDUCE TCE USED IN DEGREASING BY 15-20%.	TRAIN OPERATORS IN PROPER OPERATION OF VAPOR DEGREASER.	TRIUMPH CORPORATION	200394	5
TRICHLOROETHYLENE	REPLACE VAPOR DEGREASER WITH AQUEOUS PARTS WASHER TO ELIMINATE TOXIC CHEMICALS.	REPLACE VAPOR DEGREASER WITH AQUEOUS PARTS WASHER.	TRIUMPH CORPORATION	200394	6
TRICHLOROETHYLENE	INVESTIGATE THE USE OF NON-TOXIC CLEANERS FOR THE DEGREASER.	INVESTIGATE THE USE OF NON-TOXIC CLEANERS FOR THE DEGREASER.	TRIUMPH CORPORATION	200394	7
TRICHLOROFLUOROMETHANE	REDUCE THE USE OF CFC FOAM CONTAINING TRICLLOROFLUOROMETHANE AND POLYPHENYLISOCYANATE (POLYFOAM INSULATION MATERIAL) TO REDUCE OR ELIMINATE THE CFC EMISSIONS.	REPLACED CFC FOAM WITH HCFC FOAM	MAAX SPAS ARIZONA, INC.	200102	3
TRICHLOROFLUOROMETHANE	REMOVE TWO LOW EFFICIENCY CHILLERS AND REPLACE WITH ONE HIGH EFFICIENCY UNIT. ACTION PLAN: 1. RESEARCH EQUIPMENT BY 5/28/97. 2. OBTAIN INFORMATION BY 7/15/97. 3. SELECT BEST CHILLER BY 8/30/97. 4. PURCHASE CHILLER AND COLLECTION DRUMS FOR R-11 BY 10/1/97. 5. COMPLETE OPERATOR & MAINTENANCE TRAINING BY 10/15/97. 6. ACHIEVE DELIVERY OF CHILLER AND DRUMS BY 11/1/97. 7. ACHIEVE INSTALLATION STARTUP AND R-11 COLLECTION BY 12/1/97.	PURCHASE NEW, EFFICIENT UNIT TO REPLACE TWO OLDER UNITS. THE NEW UNIT WILL REDUCE ENERGY COMSUMPTION 48% AND ELIMINATE 1200 POUNDS OF R-11.	MICROSEMI CORP.	200246	11
TRICHLOROFLUOROMETHANE	ELIMINATE THE USE OF OZONE DEPLETING REFRIGERANT. REPLACE OZONE DEPLETING FREON (FREON 500 & R-11) IN CHILLERS.	CONVERT OR REPLACE 4 CHILLERS WITH 1,1,1,2 - TETRAFLUOROETHANE (HFC-134a)	MOTOROLA - MESA	200255	8

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
TRICHLOROFLUOROMETHANE	REDUCE THE USE OF TRICHLOROFLUOROETHANE IN THREE PLANT CHILLERS.	REPLACE CHILLERS WITH TETRAFLUOROETHANE (HFC-134A) CHILLERS	MOTOROLA-TEMPE	200259	12
TRICHLOROFLUOROMETHANE	REDUCE THE AMOUNT OF FREON 11 USED IN THE PRODUCTS MANUFACTURED.	DEVELOP ALTERNATIVE; CONDUCT TESTING; MODIFY PROCESS OR SUBSTITUTE WITH ALTERNATIVE.	SOUTHWEST DISTRIBUTING COMPANY	200344	1
TRIFLUOROETHANE	ELIMINATE CFC R-113 USAGE BY 1995	INSTALL TWO CYCLOHEXANE/IPA WITH HYDROCARBON RINSE CLEANERS. INSTALL AQUEOUS SURFACTANT AND WATER RINSE IN GENERAL METAL CLEANING AREA	HONEYWELL-SATELLITE SYSTEMS GROUP	200179	3
TRIFLUOROMETHANE	REDUCE PER-FLUORINATED COMPOUNDS USED IN THE CATHODE PHOTO AND ETCH BAYS BY RECOVERY METHODS. ACTION PLAN IS TO PERFORM FEASIBILITY STUDY.	CONDUCT FEASIBILITY STUDY	MOTOROLA - RESEARCH DIV	200609	5
TSS	REDUCE BOD BY 20% AND TSS BY 80% IN WASTE WATER OVER THE NEXT 2 YEARS.	REDUCE THE BOD AND TSS IN WASTE WATER BY THE IMPLEMENTATION OF A BUBBLE ACCELERATED FLOTATION SYSTEM.	UNITED DAIRYMEN OF ARIZONA	200416	10
TYVEK SUITS (ARSENIC/ZINC)	REDUCE VOLUME/QUANTITY OF ARSENIC AND ZINC CONTAMINATED PERSONAL PROTECTIVE EQUIPMENT WASTE STREAM. 1) TEST REPRESENTATIVE SAMPLES OF TYVEK SUITS TO VERIFY THEY ARE NOT ARSENIC/ ZINC CONTAMINATED, 2) DISPOSE OF AS NONHAZARDOUS WASTE IF VERIFIED AS NONHAZARDOUS.	TEST TYVEK SUITS FOR ARSENIC SEPARATELY FROM PPE TO VERIFY AS NONHAZARDOUS	PRAXAIR INC	200475	1
UNLEADED GASOLINE	PREVENT DIESEL FUEL AND GASOLINE LEAKS AND SPILLS FROM CONTAMINATING SURROUNDING AREAS.	RELOCATE TANKS TO NEW PADS; UPGRADE STORAGE TANKS TO VAULT CONTAINERS TO PROVIDE SECONDARY CONTAINMENT.	ALKEMIN, S. DE R.L. DE C.V.	200211	7
UNLEADED GAS	REDUCE THE AMOUNT OF WASTE FUEL.	MIX ALL USED FUELS FOR REUTILIZATION; BLEND JET FUEL WITH DIESEL FUEL TO BE BURNED IN GROUND VEHICLES	AZ DEPT OF EMERGENCY MILITARY AFFAIRS	200058	2
USED OIL	REDUCE WASTE WATER DISPOSAL.	INSTALL AN OIL/ WATER SEPARATOR	ME GLOBAL INC.	200079	10
USED HYDRAULIC OIL	INVESTIGATE NEW HYDRAULIC OIL FOR ARC FURNACES WHICH HAS HIGHER FLASH POINT AND ABLE TO BE RECYCLED EASIER	REPLACEMENT WITH LESS FLAMMABLE SUBSTITUTE.	ME GLOBAL INC.	200079	7
USED OIL	REDUCE THE USED OIL SHIPPED OFF-SITE BY 50% FROM THE OIL DECANT PROCESS BY IMPLEMENTATION OF AN ENERGY RECOVERY PROGRAM. 1. EVALUATE CONCEPT AND COST, 2. COMPLETE DESIGN AND PERMITS, 3. IMPLEMENT.	UTILIZE THE ON-SPEC USED OIL AS AN ENERGY SUPPLEMENT FOR THE INDUSTRIAL BOILER THAT IS CURRENTLY USING NATURAL GAS AS AN ENERGY SOURCE.	TED LEVINE DRUM CO	200376	9
VARIOUS HERBICIDES	REDUCE RISK TO ENVIRONMENT AND HUMAN HEALTH ASSOCIATED WITH HERBICIDE USAGE.	1) POST NOTIFICATIONS OF SPRAY APPLICATION ON ROADWAYS DURING USE TO REDUCE THE RISK OF HUMAN EXPOSURE, 2) USE PHYSICAL MEANS TO REDUCE UNWANTED PLANTS WHERE POSSIBLE IN AREAS OF HIGH RISK OF HUMAN CONTACT.	ADOT- SAFETY AND HEALTH SECTION	200009	28
VARIOUS HERBICIDES	REDUCE UNINTENTIONAL RELEASES OF HERBICIDE INTO THE ENVIRONMENT.	ENSURE MATERIALS ARE NOT SPILLED WHEN TRUCKS ARE FILLED WITH WATER BY INSTALLING AN AUTOMATIC SHUT OFF VALVE OR REQUIRING AN ATTENDANT TO MONITOR THE OPERATION.	ADOT- SAFETY AND HEALTH SECTION	200009	29
VARIOUS HERBICIDES	ELIMINATE OR REDUCE RELEASES OF HERBICIDE INTO THE ENVIRONMENT.	REPLACE DICAMBA AND 2,4-D WITH IMAZAPYR.	ADOT- SAFETY AND HEALTH SECTION	200009	30
VARIOUS CHEMICALS - AUTOMOTIVE/ HIGHWAY MAINT.	REDUCE UNINTENTIONAL RELEASES OF CHEMICALS INTO THE ENVIRONMENT.	PROVIDE SECONDARY CONTAINMENT FOR STORAGE AREAS, IMPLEMENT REGULAR STORAGE AREA INSPECTIONS AND PROVIDE SPILL CLEANUP MATERIALS.	ADOT- SAFETY AND HEALTH SECTION	200009	31
VARIOUS CHEMICALS	REDUCE SPILL/ACCIDENTS DURING LOADING AND UNLOADING OF BULK CHEMICALS.	DEVELOP NEW WRITTEN PROCEDURES USING OSHA PROCESS SAFETY MANAGEMENT GUIDELINES	ALKEMIN, S. DE R.L. DE C.V.	200211	14
VARIOUS ACID, ETHERS AND SOLVENTS	REDUCE MULTI-PURPOSE HOUSEKEEPING/ CLEANING SUPPLIES WHICH CONTAIN CHEMICALS SUCH AS GLYCOLIC ACID, HYDROCHLORIC ACID AND POLYGLYCOL ETHER. IDENTIFY CLEANING PRODUCTS WITH NON-HAZARDOUS INGREDIENTS FOR USE IN HOUSEKEEPING AND IMPLEMENT THEIR USE.	REPLACE CLEANING PRODUCTS CONTAINING HAZARDOUS CHEMICALS WITH SUITABLE NON-HAZARDOUS SUBSTITUTES. REQUIRE HOUSEKEEPING STAFF TO USE ONLY THE IDENTIFIED SUITABLE PRODUCTS FOR CLEANING.	MOTOROLA - RESEARCH DIV	200609	6
VARIOUS CHEMICALS	MODIFY ALL LOADING AND UNLOADING PROCEDURES FOR BULK CHEMICALS TO INCLUDE POLLUTION PREVENTION AND TO TRAIN ALL AFFECTED PERSONNEL ON THE NEW PROCEDURES.	DEVELOP NEW WRITTEN PROCEDURES USING OSHA PROCESS SAFETY MANAGEMENT (PSM) GUIDELINES.	TESSENDERLO KERLEY, INC. (PHX)	200210	15
VEHICLE EMISSIONS	ELIMINATE EMISSIONS OF CARBON MONOXIDE, NITROGEN OXIDES, SULFUR OXIDES AS WELL AS PARTICULATES FROM USE OF GASOLINE VEHICLES	ELIMINATE THE USE OF IN-PLANT GASOLINE VEHICLES AND UNDERGROUND STORAGE TANKS.	CAVCO INDUSTRIES, INC.-LITCHFIELD	200563	3
VEHICLE MAINTENANCE CHEMS	ADMINISTRATIVE SERVICES: VEHICLE MAINTENANCE HAZARDOUS MATERIALS REDUCTION BY 10% (1992)	IMPROVE USAGE HABITS, PREVENTIVE MAINTENANCE SCHEDULES, AND STORAGE AND CONTROL PRACTICES	RAYTHEON COMPANY USAF PLANT 44	200184	30
VEHICLE EMISSIONS	PARKING LOTS: REDUCE VEHICLE EMISSIONS: REDUCE ENGINE WARM UPS AND IDLE TIMES.	INFORM EMPLOYEES TO NOT RUN MOTOR TO WARM UP THE ENGINE, SHUT OFF ENGINE WHEN NOT ACTUALLY DRIVING.	THE LARSON COMPANY	200215	10

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
VEHICLE EMISSIONS	PARKING LOTS: REDUCE VEHICLE EMISSIONS FROM EMPLOYEE TRAVEL	CAR POOL IDEAS: OFFER BENEFITS OF CAR POOLING, SELL BUS PASSES AT REDUCED COST TO EMPLOYEE, OFFER RIDES HOME FOR EMERGENCIES	THE LARSON COMPANY	200215	9
VEHICULAR EMISSIONS	8.O.H: REDUCE THE AMOUNT OF GAS POWERED FORKLIFTS BY 14.	ELIMINATE EXCESS FORKLIFTS: REPLACE GASOLINE FORKLIFTS WITH ELECTRIC AND PROPANE FORKLIFTS	MCCULLOCH CORP (LAKE HAVASU)	200234	8
VM & P	ELIMINATE FUMES IN THE REPACKAGING OF SOLVENT	BUILD A FILL CABINET TO ELIMINATE FUMES IN THE AIR (CLOSED CABINET)	COLUMBUS CHEMICAL INDUSTRIES (formerly CHEMIX)	200594	2
VM&P NAPHTHA	REDUCE VOCS EMISSIONS IN VM&P REPACKAGING PROCESS.	TRAIN OPERATORS ON BEST AVAILABLE PRACTICES. CCI TECHNICAL DIRECTOR WILL BE RESPONSIBLE FOR TRAINING PRODUCTION PERSONNEL.	COLUMBUS CHEMICAL INDUSTRIES (formerly CHEMIX)	200594	10
VM&P NAPHTHA	REDUCE VOCS EMISSIONS IN VM&P REPACKAGING PROCESS.	TRAIN OPERATORS ON APPLICABLE SOPS FOR REDUCING VOC EMISSIONS. CCI TECHNICAL DIRECTOR WILL BE RESPONSIBLE FOR TRAINING PRODUCTION PERSONNEL.	COLUMBUS CHEMICAL INDUSTRIES (formerly CHEMIX)	200594	11
VM&P NAPHTHA	REDUCE EMISSIONS OF VM&P (BY CAPTURING) DURING REPACKAGING.	VENT FILL CABINET INTO APPROPRIATE RECYCLABLE ABSORBER.	COLUMBUS CHEMICAL INDUSTRIES (formerly CHEMIX)	200594	8
VM&P NAPHTHA	REDUCE VOCS EMISSIONS IN VM&P REPACKAGING PROCESS.	DEVELOP STANDARD OPERATING PROCEDURE WITH APPROPRIATE P2 CONTROLS AND MONITORING DEFINED. PRODUCTION SUPERVISOR WILL BE RESPONSIBLE FOR DEVELOPING THE SOP REFLECTING P2 TECHNIQUES ON PRODUCTION WORK ORDERS.	COLUMBUS CHEMICAL INDUSTRIES (formerly CHEMIX)	200594	9
VM&P NAPHTHA	(ZR PROJ # ZR1-A) REDUCE USAGE OF VM&P NAPHTHA IN PHOTOLITHOGRAPHY BY DECEMBER, 1999, BY UTILIZING A PROPOSED NEW "SPRAY PUDDLE" PROCESS.	DESIGN AND INSTALL ANY EQUIPMENT MODIFICATIONS NEEDED TO OPTIMIZE THE DEVELOPING PROCESS. CHANGE ONE OR MORE OF THE PROCESS PARAMETERS (PRESSURE, TIME, ETC.). THEN USING TEST WAFERS, DETERMINE THE EFFECT THE CHANGES HAVE ON THE PRODUCT. TEST VARIOUS COMBINATIONS OF PROCESS PARAMETER SETTINGS TO DETERMINE WHICH PRODUCES ACCEPTABLE PRODUCT QUALITY AT THE LOWEST CHEMICAL USE RATE. CONDUCT EXPERIMENTS ON PRODUCT. QUALIFY PRODUCT FOR CUSTOMERS. CONVERT TO NEW CLEANING PROCESS.	MOTOROLA SCG	200253	29
VOC EMISSIONS	REDUCE VOC EMISSIONS AND USE THROUGHOUT THE FACILITY.	COVER ALL VOC CONTAINERS WITH TIGHT-FITTING LIDS TO REDUCE EMISSIONS. INSTITUTE A POLICY TO CONDUCT AN INSPECTION OF THESE CONTAINERS ONCE A MONTH TO ENSURE PROPER OPERATION BY STAFF.	AMERICAN FIBERGLASS	200533	7
VOC EMISSIONS	REDUCE THE USE OF PRODUCTS THAT CONTRIBUTE TO THE RELEASE OF VOC EMISSIONS BY 33%.	INSTALLED STAGE I AND STAGE II VAPOR RECOVERY ON FUEL TANKS, REDUCED FLEET SIZE, REPLACED PRODUCTS, RECYCLED FREON.	APS DEER VALLEY SERVICE CENTER	200040	2
VOC EMISSIONS	REDUCE VOC EMISSIONS BY 33%. AMENDMENT 1 (GOAL 1).	A. EVALUATE USE OF WATER BASED PAINT. B. REPLACE HIGH VOC PAINTS. C. INCREASE VEHICLE FUEL EFFICIENCY BY EDUCATING DRIVERS TO REDUCE IDLING. D. TRACK AND PROMOTE COMMUTER REDUCTION.	APS DEER VALLEY SERVICE CENTER	200040	5
VOC EMISSIONS	REDUCE VOC EMISSIONS: IDENTIFY AND MAINTAIN THE OPTIMUM CHEMICAL VOC EMISSION PER EQUIVALENT UNIT (NORMALIZED). CURRENTLY, OPTIMUM LEVEL IS AT 100 LBS VOCs/EQUIVALENT UNIT UNTIL BETTER METHODS OF AIRCRAFT SAFETY SLIDE ASSEMBLY IS DEVELOPED.	1) DEVELOP & IMPLEMENT EMPLOYEE TRAINING OF BEST PRACTICES TO REDUCE VOC & CHEMICAL WASTE ON THE MANUF. FLOOR. 2) IMPROVE WASTE ACCOUNTABILITY BY ASSURING EMPLOYEES FOLLOW WASTE MEASUREMENT & ACCOUNTING PROCEDURES THROUGH RANDOM-FREQUENT INSPECTIONS OF LOG-OUTS AT THE CHEMICAL ROOM. 3) EXPLORE & DEVELOP IMPROVED METHODS OF APPLYING CHEMICALS TO THE SLIDE SURFACE OR IMPROVED METHODS OF BONDING SEAMS SO THE OPTIMAL EMISSION RATE CAN BE LOWERED. 4)DEVELOP & IMPLEMENT TRUE QUANTITY SHIPMENT/USE DATA PER CONTAINER TO THE EMISSIONS ACCOUNTING RECORD KEEPING SYSTEM. 5) QUALIFY PRODUCTS THAT CONTAIN REDUCED VOC CONSTITUENTS & PROVIDE SUPERIOR PRODUCT QUALITY.	GOODRICH-AIRCRAFT EVACUATION SYSTEMS	200073	14
VOC PAINTS	PAINTING AREA: REDUCE EMISSIONS OF PAINT PRODUCTS BY 20%.	REVIEW PAINT PRODUCTS FOR CONSTITUENTS AND PERFORMANCE AND PURCHASE LOW VOC PAINTS AND PAINT PRODUCTS WHICH WILL REDUCE THE AMOUNT OF VOC EMISSIONS WITHIN THE PAINT BOOTH AREEA AND ATMOSPHERE.	HEIL ENVIRONMENTAL INDUSTRIES LTD.	200530	6
VOC PAINTS	ELIMINATE SOME PAINTING APPLICATIONS.	EVALUATE HIGH-SOLIDS PAINT WITH ACCEPTABLE COATING CONSISTENCY.	HONEYWELL - 19TH AVE PHOENIX	200181	18
VOC EMISSIONS	REDUCE THE AMOUNT OF VOC EMISSIONS BY 50% IN CHAIN ON EDGE PAINTING LINES AND SHIELDING.	REFORMULATE PAINTS TO REDUCE THE AMOUNT OF VOCs BEING USED.	ITI FINISHING	200728	2
VOC EMISSIONS	REDUCE THE PERCENTAGE OF VOC IN THE MATERIAL USED.	CONTINUE PARTNERING WITH COATINGS SUPPLIERS TO KEEP UP WITH THE LATEST TECHNOLOGIES AND LOW VOC PRODUCTS DEVELOPED.	MASTERCRAFT CABINETS, INC.	200229	4
VOC EMISSIONS	REDUCE EMISSIONS OF VOLATILE ORGANIC CHEMCIALS BY 90% BY NOVEMBER 1, 1993. ABOUT 20 TONS WERE EMITTED TO THE ATMOSPHERE AND 25 TONS WERE SENT FOR DISPOSAL IN 1991	INSTALL AIR POLLUTION CONTROL DEVICES TO CONTROL AIR EMISSIONS (.IE., USE A REGENERATIVE THERMAL OXIDIZER TO DESTROY THE VOCS EMITTED). NOTE: THIS IS NOT POLLUTION PREVENTION.	MEDTRONIC, TEMPE	200240	3

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
VOC EMISSIONS	REDUCE VOC AIR EMISSIONS OF XYLENE.	MODIFY THERMAL OXIDIZER TO INCREASE DESTRUCTION EFFICIENCY BY 10%.	ROGERS CORP. ADV CIRCUIT MAT'LS DIV.	200556	13
VOC EMISSIONS	REDUCTION OF ORGANIC SOLVENTS USE: D. OPTIONAL COATING METHODS.	1. INSTALL & TEST SLOT-DIE. 2.DO TEST RUNS. 3. OPTIMIZE PROCESS. 4. DO COMPARISON RUNS. 5. DO CONVERSION FROM PRIMARY SOLVENT BASED ADHESIVES TO SLOT DIE COATINGS. 7. DO TRIAL TEST. 8 DO LINE OPTIMIZATION. 9. DO COMPARISON ROLL COATING VS SLOT COATING. 10.PUT IN OPERATION.	ROGERS CORP. ADV-CIRCUIT MAT'LS DIV	200461	D
VOC EMISSIONS	REDUCE VOC EMISSIONS ON PAL LINES.	BY INVESTIGATING LOW OR NO VOC ALTERNATIVE CHEMISTRIES.	SANMINA - SCI	200669	17
VOC EMISSIONS	REDUCE VOC EMISSIONS ON SOLDER LEVEL LINE.	BY INVESTIGATING LOW OR NO VOC CHEMISTRY ALTERNATIVES.	SANMINA - SCI	200669	21
VOC EMISSIONS	REDUCE VOC EMISSIONS ON SOLDERMASK LINE.	BY INVESTIGATING LOW OR NO VOC ALTERNATIVE CHEMISTRIES.	SANMINA - SCI	200669	25
VOC EMISSIONS	DECREASE VOC EMISSIONS IN SCREENMAKING AREA.	BY INVESTIGATING LOW OR NO VOC ALTERNATIVE CHEMISTRIES.	SANMINA - SCI	200669	36
VOC EMISSIONS	REDUCE VOC EMISSIONS IN SCREENMAKING AREA.	BY DETERMINING THE FEASIBILITY OF EXHAUSTING AIR EMISSIONS TO WET SCRUBBER.	SANMINA - SCI	200669	37
VOC EMISSIONS	REDUCE VOC EMISSIONS FROM BLACK OXIDE LINES.	BY FINDING LOW OR NO VOC ALTERNATIVE CHEMISTRY.	SANMINA - SCI	200669	9
VOC COMPOUNDS	REDUCE AIR EMISSIONS BY MODIFYING PAINT BOOTHS TO BE ABLE TO UTILIZE MORE EFFICIENT PAINT FILTERS.	IMPROVE THE TECHNOLOGY BY INCREASING THE PAINT BOOTH FILTER EFFICIENCY: OLDER FILTER EFFICIENCY <=30%, NEW FILTER EFFICIENCY =90%.	THE BOEING COMPANY	200238	30
VOC'S FROM PAINTING	CAPTURE AND DESTROY VOC'S GENERATED BY AIRCRAFT PAINTING AND DEPAINTING OPERATIONS ***INACTIVE FACILITY***	PERFORM A VOC DESTRUCTION TECHNOLOGY SEARCH FOR AN AIR CONTROL SYSTEM, DESIGN, INSTALL, AND PERMIT	LOCKHEED AEROMOD AIRCRAFT CENTERS	200219	2
VOCs (PAINT & SOLVENT)	REDUCE THE USE OF VOC's IN PAINTS AND SOLVENTS.	PROVIDE INSTRUCTION TO PROCUREMENT PERSONNEL TO PURCHASE PRODUCTS WITH THE LOWEST VOC CONTENT OR LOWEST FLASH POINT FOR PAINTS AND SOLVENTS.	ABRAMS AIRBORNE MFG	200003	4
VOCs (SEALER & LACQUER)	ELIMINATE VOC EMISSIONS RELATED TO WOOD FINISHING.	REPLACE ORGANIC SOLVENT BASED STAINS AND LACQUERS WITH WATER BASED ALTERNATIVES.	ADOT- SAFETY AND HEALTH SECTION	200009	12
VOCs (SEALER & LACQUER)	REDUCE SOLVENT EMISSIONS FROM WOOD COATING.	REPLACE SPRAY GUNS WITH AIRLESS GUNS TO REDUCE OVERSPRAY.	ADOT- SAFETY AND HEALTH SECTION	200009	13
VOCs (PAINT)	REDUCE VOC EMISSIONS FROM SPRAY BOOTH PAINTING USING HVLP SPRAY GUNS.	EVALUATE NON-SOLVENT TYPES OF PAINT AND LOWER VOC PAINTS.	ALLIED TUBE AND CONDUIT	200032	14
VOCs (PAINT)	REDUCE AIR EMISSIONS AND WASTE GENERATION FROM RECIRCULATING HIGH PRESSURE WATER RINSE.	IMPROVE HOUSEKEEPING SKILLS IN SPRAY BOOTH TO REDUCE CONTAMINATED PAINT AND IMPROVE SPRAY EFFICIENCY 1/98; TRY AGAIN TO USE RO TO PURIFY THE SPENT WATER RINSE SOLUTION - 6/99.	ALLIED TUBE AND CONDUIT	200032	15
VOCs (PAINT & SOLVENT)	REDUCE PAINT VOCS AND SOLVENT WASTE.	A. CHANGE TO A LESS TOXIC PAINT WITH A LOWER VOC.B. INVESTIGATE USING ELECTROSTATIC PRECIPITATORS TO REMOVE RESIDUAL SOLVENTS C.DISTILL THE RECOVERED SOLVENTS FOR REUSE.	ALLIED TUBE AND CONDUIT	200032	16
VOCs (PAINT & SOLVENT)	REDUCE THE EMISSIONS OF VARIOUS VOLATILE ORGANIC COMPOUNDS	COVER MIXING TANKS;COVER BASE COLOR TINTING PAINTS; COVER CLEANUP SOLVENT DRUM; COVER BUCKET WASH TANK	CARDINAL INDUSTRIAL FINISHES	200082	4
VOCs (PAINT & SOLVENT)	INCREASE UTILIZATION OF OFF SPECIFICATION PRODUCTS, MATERIALS AND OVERAGES	REWORK OFF SPECIFICATION PRODUCTS, MATERIALS AND OVERAGES BY RETINTING OR REPROCESSING INTO A PRIMER	CARDINAL INDUSTRIAL FINISHES	200082	6
VOCs (PAINT)	REDUCE VOC EMISSIONS FROM SPRAY PAINTING OPERATION	SUBSTITUTE HIGH VOLATILE SPRAY PAINTS WITH LOW SOLVENT MATERIALS	COCA-COLA BOTTLING CO.-TEMPE	200101	3
VOCs (MISC.)	SITE WIDE 1D: ESTABLISH A VOC REDUCTION PROGRAM	ESTABLISH TASK FORCE; DETERMINE VOC CONTENT OF MATERIALS - SUPPORT MANAGEMENT OF VOCS	CYTECFIBERITE	200185	10
VOCs	ESTABLISH A VOC REDUCTION PROGRAM	ACTION 3: ESTABLISH A VOC INVENTORY/USAGE TRACKING SYSTEM AND PAPER/PC BASED EMPLOYEE TRAINING	CYTECFIBERITE	200185	11
VOCs	ESTABLISH A VOC REDUCTION PROGRAM	ACTION 4: DEVELOP NEW COATING OPERATION VOC TRACKING PROGRAM FOR NSPS COATING LINE TO QUANTIFY AND IDENTIFY SOURCES	CYTECFIBERITE	200185	12
VOCs	FACILITIES 5H: IMPROVE OXIDIZER EFFICIENCY (DESTROYS VOCs FROM SOLUTION TREATER) PER REGULATORY REQUIREMENT	ACTIONS 1-5: DEVELOP TEST PLAN; TEST; DEVELOP O&M PLAN; PREPARE IMPROVEMENT PLAN; IMPLEMENT PLAN	CYTECFIBERITE	200185	24

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
VOCs (INKS AND SOLVENTS)	ACHIEVE CONTROL EFFICIENCY OF 90% TO REDUCE VOCS AND HAPS.	USE CATALYTIC OXIDIZER	DUREL CORPORATION	200518	1
VOCs (INKS AND SOLVENTS)	REDUCE HAZARDOUS WASTE GENERATED FROM LAMP CONSTR IN ALL WATCH APPLICATIONS	REDUCE SCREEN PRINTING PASSES; LOWER PHOSPHOR USAGE; INCREASE INK SOLIDS	DUREL CORPORATION	200518	2
VOCs	ACHIEVE CONTROL EFFICIENCYOF 90% TO REDUCE VOCS AND HAPS	USE CATALYTIC OXIDIZER	DUREL CORPORATION	200518	6
VOCs/HCL EMISSIONS	REDUCE HAZARDOUS WASTE GENERATED FROM LAMP CONSTRUCTION IN OTHER COMMERCIAL APPLICATIONS	REDUCE SCREEN PRINTING PASSES, LOWER PHOSPHOR USAGE, INCREASE INK SOLIDS	DUREL CORPORATION	200518	7
VOCs (PAINT)	REDUCE VOC (EPOXY RESIN,TITANIUM DIOXIDE, POLYESTER RESIN, METHYLPROPYL KETONE, MEK, TOULENE) EMISSIONS FROM PAINT.	REPLACE WITH LOW VOC PAINT.	EVERGREEN AIR CENTER. INC	200138	4
VOCs (PAINT)	REDUCE VOC EMISSIONS FROM PAINT OPERATIONS THAT USE CONVENTIONAL SPRAY GUNS.	PURCHASE AND INSTALL ELECTROSTATIC SPRAY GUNS.	EVERGREEN AIR CENTER. INC	200138	5
VOCs (PAINT)	PAINTING OPERATIONS: REDUCE HAZARDOUS WASTE EMISSIONS FROM PAINTING OPERATIONS BY 15%	REVIEW FUTURE PURCHASES OF PAINT PRODUCTS FOR CONSTITUENTS AND PERFORMANCE. WHERE VIABLE, PURCHASE LOW VOC PAINT AND PAINT PRODUCTS WHICH WILL REDUCE THE AMOUNT OF VOC EMISSIONS WITHIN THE PAINT BOOTH AREA AND ALSO TO THE ATMOSPHERE.	HEIL ENVIRONMENTAL INDUSTRIES LTD.	200530	1
VOCs (PAINT)	PRODUCTION PAINT OPS -REDUCE VOC'S BY 25 % BY 12/31/95: IMPROVE SPRAY BOOTH VOC CAPTURE TECHNOLOGY TO REDUCE VOC'S.	TEST ALTERNATIVE FILTERING SYSTEMS IN TWO WALK-IN SPRAY BOOTHS BY 12/94 (USED TO PAINT STAINLESS STEEL AND OTHER METALS) ** GOAL DROPPED **	HONEYWELL ENGINES AND SYSTEMS	200149	15
VOCs (PAINT)	PAINT PRODUCTION OPS. - REDUCE VOC'S BY 25% BY 12/31/95: OMIT THE PAINT PROCESS ON AT LEAST 10% OF THE COMPONENTS CURRENTLY PAINTED.	COORDINATE MEETINGS WITH SELECTED CUSTOMERS TO IDENTIFY SPECIFIC REQUIREMENTS WHERE PAINTING MAY BE OMITTED BY 12/31/94 ** GOAL DROPPED **	HONEYWELL ENGINES AND SYSTEMS	200149	16
VOCs (PAINT)	REDUCE BY 30% VOLATILE ORGANIC COMPOUND EMISSIONS FROM PAINTING OPERATIONS AND MONITOR THROUGH COUNTY EMISSIONS REPORT	ACTION 1: USE OF LOWER VOC PAINT	HONEYWELL - 19TH AVE PHOENIX	200181	2
VOCs (PAINT)	REDUCE VOC's FROM PAINTING OPERATIONS	ACTION 2: USE OF PAINT STORAGE AREA FOR BETTER INVENTORY CONTROL TO DECREASE AMOUNT OF EXPIRED SHELF LIFE PAINT	HONEYWELL - 19TH AVE PHOENIX	200181	3
VOCs (PAINT)	REDUCE VOC's FROM PAINTING OPERATIONS.	ACTION 3: USE OF POWDERED PAINTS ON IN-HOUSE PROJECTS WILL BE APPRAISED. **GOAL DROPPED**	HONEYWELL - 19TH AVE PHOENIX	200181	4
VOCs (PAINT)	REDUCE VOC's FROM PAINTING OPERATIONS	ACTION 4: USE OF HIGH VOLUME LOW PRESSURE SPRAY GUNS TO DECREASE VOC's	HONEYWELL - 19TH AVE PHOENIX	200181	5
VOCs	OVERALL GOAL: REDUCE VOC AIR EMISSIONS PLANTWIDE - 1990 - 1992 (34%); 1992 - 1994 (15%)	SEE THE FOLLOWING SPECIFIC GOALS	INTEL CORP.- CHANDLER CAMPUS	200191	3
VOCs (GLUE)	REDUCE VOC EMISSIONS OF THE GLUE USED IN THE PLASTIC LAMINATE SHOP.	RETROFIT THE EQUIPMENT TO USE WATER-BASED GLUE	MESA FULLY FORMED	200241	7
VOCs (AMINES/ALCOHOLS)	SEE GOAL 7	BRING SCRUBBER DISCHARGE INCINERATOR ON LINE	MINEREC MINING CHEMICALS	200471	10
VOCs (AMINES/ALCOHOLS)	UPGRADE SCRUBBER SYSTEM TO CAPTURE TRACE AMOUNTS OF AMINES, ALCOHOLS AND MERCAPTINS AND TO REDUCE ODORS (GOALS 9-12)	INSTALL ENLARGED SCRUBBER TOWERS...TANKS	MINEREC MINING CHEMICALS	200471	7
VOCs (AMINES/ALCOHOLS)	SEE GOAL 7	COMPLETE INSTALLATION OF 15 HP SCRUBBER BLOWER MOTOR	MINEREC MINING CHEMICALS	200471	8
VOCs (AMINES/ALCOHOLS)	SEE GOAL 7	LOCATE SCRUBBER DISCHARGE INCINERATOR ON SITE	MINEREC MINING CHEMICALS	200471	9
VOCs	REDUCE VOC EMISSIONS FROM SPRAYING OPERATIONS BY DECREASING OVERSPRAY **DROPPED - FACILITY OUT OF PROGRAM***	EXPERIMENT WITH TWO SPRAY GUN SYSTEM, DEVELOP AND USE TRAINING VIDEO FOR OPERATORS, EXPERIMENT WITH VERTICAL LINE SPRAYING	OAKCRAFT, INC	200502	1
VOCs AND HAPs	REDUCE VOC AND HAP EMISSIONS FROM SPRAY OPERATIONS ***DROPPED OUT OF PROGRAM***	REPLACE SOLVENT BASED COATINGS BY TESTING AND IMPLEMENTING SUBSTITUTES	OAKCRAFT, INC	200502	2
VOCs AND ODCs	ENVIRONMENTAL MANAGEMENT OF NEW PROGRAMS (AIR PERMITTING): CHARACTERIZE POTENTIAL EMISSIONS FOR NEW AIR PERMIT	WORK WITH PIMA COUNTY DEQ: CHARACTERIZE POTENTIAL EMISSIONS FOR REDUCTION	RAYTHEON COMPANY USAF PLANT 44	200184	15

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
VOCs AND ODCs	ENVIRONMENTAL MANAGEMENT OF NEW AQUIRED PROGRAMS: REDUCE HAZARDOUS MATERIAL INVENTORY	TRANSITION OF PROCESSES BEING ACQUIRED BY THE TUCSON PLANT FROM CALIFORNIA PLANTS. HAZARDOUS INVENTORY CONTROL HAS BEEN TRANSFERRED TO PRIMARY SUPPLIER	RAYTHEON COMPANY USAF PLANT 44	200184	16
VOCs (PAINT)	VOC REDUCTION PROJECTS: POWDER PAINT IMPLEMENTATION	A PROCESS TO APPLY POWER PAINT NON-CONDUCTIVE SURFACES WAS DEVELOPED. CONTINUE IMPLEMENTATION OF PROCESS IN OTHER PROGRAMS NEW TECHNOLOGY AND PROCESS FOR WASTE ABATEMENT	RAYTHEON COMPANY USAF PLANT 44	200184	17
VOCs AND ODCs	CHEMICAL INVENTORY MANAGEMENT: PRIMARY SUPPLIERS - VENDOR SELECTIONS PROCESS FOR COMPLETE CHEMICAL INVENTORY CONTROL	ESTABLISHES A LONG TERM COMMITMENT WITH A SINGLE SUPPLIER TO PROVIDE PRODUCTS - BASED ON GM'S SATURN DIVISION MODEL **GOAL DROPPED**	RAYTHEON COMPANY USAF PLANT 44	200184	22
VOCs AND ODCs	DESIGN FOR ENVIRONMENT- ABILITY (DFE): CONTINUE IMPLEMENTATION OF DFE **DROPPED**	FURTHER DEFINE AND IMPLEMENT DFE CONCEPTS TO ELIMINATE HAZARDOUS MATERIALS AND PROCESSES THROUGH SOURCE REDUCTION AS A DESIGN PRACTICE	RAYTHEON COMPANY USAF PLANT 44	200184	23
VOCs (GAS ENGINES)	OTHER SOURCE REDUCTION ACTIVITIES: COMMUTING SERVICES - 26% PARTICIPATION IN ALTERNATE MODES OF TRAVEL	USE SUBSIDIZED BUS PASSES; FLEXIBLE WORKING HOURS; ADD BICYCLE RACKS, SHOWERS & LOCKERS, COVERED BUS CENTER; RIDE HOME GUARANTEE	RAYTHEON COMPANY USAF PLANT 44	200184	40
VOCs AND ODCs	REDUCE VOC AIR EMISSIONS: IDENTIFY ALL VOC SOURCES, CHEMICAL TYPES, CONCENTRATIONS AND POSSIBLE METHOD OF CONSOLIDATION FOR FEED INTO AIR POLLUTION CONTROL EQUIPMENT. DEVELOP PILOT PROJECT TO TEST POTENTIAL CONTROL TECHNOLOGY. IMPLEMENT COST EFFECTIVE CONTROL TECHNOLOGY TO REDUCE VOC EMISSIONS.	PROGRAM TO IDENTIFY VOC SOURCES (TYPE, CHEMICAL CONCENTRATIONS, LOCATIONS, AND AMOUNTS) AND DEVELOP PILOT PROJECTS (CARBON ABSORPTION & THERMAL DESTRUCTION ARE BEING PURSUED) TO IDENTIFY A COST EFFECTIVE CONTROL TECHNOLOGY.	RAYTHEON COMPANY USAF PLANT 44	200184	45
VOCs (GAS ENGINES)	REDUCE AIR EMISSIONS FROM FORKLIFTS (CARBON MONOXIDE).	EVALUATE SUBSTITUTION WITH ELECTRICALLY POWERED FORKLIFTS	REXAM BEVERAGE CAN COMPANY-PHX AZ FACILITY	200031	7
VOCs	EVALUATE AIR EMISSIONS: A. ESTABLISH A TEAM. B. INVESTIGATE CATALYTIC OXIDIZER, THERMAL OXIDIZER, & CARBON ADSOPTION. C. INSTALL THE SELECTED CONTROL DEVICE.	SELECTED AND INSTALLED CATALYTIC OXIDIZER TO CONTROL AIR EMISSIONS FROM THE NEW COATING LINE.	ROGERS CORP. ADV-CIRCUIT MAT'LS DIV	200461	5
VOCs (UNLEADED GASOLINE)	WASTE STREAM #6: REDUCE GASOLINE VAPOR EMISSIONS FROM OPEN POURING OF GAS INTO A VEHICLE OR HOLDING TANK FROM 5 GALLON CANS (110 GAL PER DAY)	INSTALLED BULK GASOLINE TANKS; INSTALLED NEW EXHAUST SYSTEMS ON TEST STANDS, AND CREATED AIR MAKE-UP AND EXHAUST VENTILATION	RYOBI OUTDOOR PRODUCTS, INC.	200483	1
VOCs AND HAPs	REDUCE THE AMOUNT OF VOCs AND HAPs EMITTED DURING THE PAINTING PROCESS.	BY REDUCING THE NUMBER OF PAINT AND SOLVENT VENDORS TO THE MINIMUM NECESSARY; BY ENSURING THAT THESE VENDORS SUPPLY A WIDE VARIETY OF LOW AND FREE-VOC PAINTS AND SOLVENTS; BY UPGRADING EXISTING SPRAY GUNS USED IN THE PAINTING PROCESS WITH AIRLESS SPRAY GUNS; BY MONITORING THE OPERATOR'S ACCESS TO PAINTS AND SOLVENTS.	SCHUFF STEEL COMPANY-PHOENIX	200574	7
VOCs	REDUCE THE USE OF VOC CONTAINING PRODUCTS	INCREASE PRICES TO WHOLESALERS	SUNBURST SHUTTERS	200524	2
VOCs (PAINT)	REDUCE THE USE OF VOC CONTAINING PAINT USED IN SHUTTER MANUFACTURING AND FINISHING	OFFER THE POLYWOOD SHUTTER AS AN ALTERNATIVE PRODUCT	SUNBURST SHUTTERS	200524	4
VOCs	GENERAL: REDUCE AIR TOXICS EMISSIONS BY 90% BY DEC. 2000 TO BE MEASURED BY THE TRI DATABASE USING THE BASELINE YEAR 1990	A SERIES OF PROJECTS INCLUDING PRODUCT SUBSTITUTIONS FOR VARIOUS AIRCRAFT PAINTS AND SOLENTS	THE BOEING COMPANY	200238	1
VOCs	REDUCE EMISSIONS OF VOC FROM FINISHING SYSTEM ***INACTIVE FACILITY***	EVALUATE HI-SOLIDS AND WATERBORNE FINISHING SYSTEMS AND THEN EVALUATE FULL, HYBRID, AND REVERSE HYBRID WATERBORNE SYSTEM	TRENDWOOD INC - 15TH AVE	200509	3
VOCs (SEALER & LACQUER)	REPLACE SEALERS AND LACQUERS WITH A HIGH SOLIDS SEALER AND LACQUER APPLICATION SYSTEM.	MODIFY FACILITY TO APPLY HIGH SOLIDS SEALER AND LACQUER SYSTEM.	WOODSTUFF MANUFACTURING-43RD AVE	200459	4
VOCs (GAS ENGINES)	REDUCE EMPLOYEE VEHICLE EMISSIONS (TRIP REDUCTIONS).	PROVIDE INCENTIVES FOR AND IMPLEMENT A RIDE SHARE PROGRAM.	WORLD RESOURCES COMPANY	200440	19
VOCS	REDUCE BY 50% VOLATILE ORGANIC EMISSIONS.	PRODUCT SUBSTITUTION; USE PAINTS AND COATINGS WITH LOWEST VOC CONTENT.	APS PALO VERDE NUCLEAR	200042	2
VOCS	REDUCE COMBUSTION BYPRODUCTS BY 10% (VOCS, NOXS AND CO) BY REDUCING NATURAL GAS USAGE.	FABRICATE, INSTALL AND TEST A CONVERTER MOUTH COVER. THE COVER WILL SEAL THE CONVERTER MOUTH DURING HOLDING TIMES.	ASARCO RAY COMPLEX/HAYDEN SMELTER & CONCENTRATOR	200046	10
VOCS	REDUCE VOC EMISSIONS	DURING SUMMER MONTHS CLEAN THE MAJORITY OF MIXING TANKS AND BUCKETS DURING MORNING HOURS WHEN IT IS RELATIVELY COOLER HAVING LESS EVAPORATION OF VOCS THAN IN THE HOT AFTERNOON	CARDINAL INDUSTRIAL FINISHES	200082	12
VOCS	REDUCE VOCS IN THE TINTING DEPARTMENT	COVER MIXING BUCKETS AND TANKS TO REDUCE THE EVAPORATION OF VOCS. 9/2000: BUTYL CELLOSOLVE HAS BEEN REPLACED BY A LESS TOXIC MATERIAL, PROPOXY BUTANOL.	CARDINAL INDUSTRIAL FINISHES	200082	13

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
VOCS	REDUCE VOC EMISSIONS FROM PAINTING OPERATIONS.	USE OF LOW VOC OR NO VOC PAINTS (MUST MEET CUSTOMER APPROVAL). EVALUATE HVLP SPRAY SYSTEM. TRAIN EMPLOYEES	HONEYWELL AEROSPACE SERVICES	200024	2
VOCS	RESEARCH THE USE OF AN ALTERNATIVE ADHESIVE SYSTEM INCLUDING USE OF A WATER-BASED ADHESIVE TO REPLACE THE CURRENT PROCESS.	INVESTIGATE ALTERNATIVE LAMINATION SYSTEMS.	MARLAM INDUSTRIES, INC.	200532	6
VOCS	REDUCE VOC EMISSIONS BY 5%.	USE REFORMULATED PRODUCTS WHEN POSSIBLE, REUSE CLEANING SOLVENTS AND IMPROVE CLEANING PROCESS.	MCCARTHY CABINET CO.	200233	2
VOCS	REDUCE EBR.	CHANGE APPLICATION TECHNIQUE.	MICROCHIP TECHNOLOGY-CHANDLER	200247	15
VOCS	REDUCE THE USE OF EDGE BEAD REMOVAL SOLVENT USED IN THE BEAD REMOVAL PROCESS AND THE EMISSIONS RELEASED AND HAZARDOUS WASTE GENERATED.	REPLACE CURRENT PROCESS WITH ADVANCED OPTICAL EDGE BEAD REMOVAL TECHNOLOGY ON TWO NEW TEMPE FAB 2 EXPOSURE UNITS. (THE TOTAL NUMBER OF UNITS PURCHASED IS UNDETERMINED.)6/24/2002: ALL OF THE PHOTOCELLS IN TEMPE HAVE BEEN REPLACED WITH THE ADVANCEDOPTICAL EDGE BEAD REMOVAL TECHNOLOGY. WILL ACCESS THE OPPORTUNITY TO REPLACE THE CURRENT PHOTOCELLS WITH ADVANCED OPTICAL EDGE BEAD REMOVAL TECHNOLOGY IN CHANDLER.	MICROCHIP TECHNOLOGY-CHANDLER	200247	20
VOCS	REDUCE VOC EMISSIONS FROM THE PHOTOLITHOGRAPHY PROCESS AT TEMPE FAB 2.	MONITOR RTO EFFECTIVENESS DURING INITIAL TWO YEARS OF OPERATION.	MICROCHIP TECHNOLOGY-CHANDLER	200247	21
VOCS	REDUCE THE USE OF VOC CHEMICALS IN PAINTING OPERATION	INSTALL ELECTROSTATIC PAINTING SYSTEM (INSTALLATION PERMIT OBTAINED).	PING, INC	200208	3
VOCS	REDUCE VOC USAGE PLANT WIDE BY 20%.	REDUCE VOC USAGE ON THE PROCESS LINES BY SUBSTITUTING LOWER VOC CONTAINING CHEMICALS IN PLACE OF HIGHER VOC CONTAINING CHEMICALS.	SANMINA - SCI	200669	81
VOCS	REDUCE AIR EMISSIONS FROM ASTS AT FACILITIES (PHOENIX).	INSTALL STAGE I VAPOR RECOVERY SYSTEMS ON THE ASTS AT FACILITIES.	SCHUFF STEEL COMPANY-GILBERT	200681	15
VOCS	REDUCE AIR EMISSIONS FROM ASTS AT FACILITIES (GILBERT).	INSTALL STAGE I VAPOR RECOVERY SYSTEMS ON THE ASTS AT FACILITIES.	SCHUFF STEEL COMPANY-GILBERT	200681	16
VOCS	REDUCE SOx AND VOC EMISSIONS FROM TORCH CUTTING AND HEATING PROCESSES.	REPLACE NATURAL GAS USED AS A CUTTING FUEL GAS WITH PROPYLENE IN SMALL CYLINDERS. PROPYLENE HAS A HIGHER ENERGY CONTENT (2,371 BTU/GAL COMPARED TO 1,000 BTU/GAL FOR NATURAL GAS). CUTTING SPEED IS ALSO INCREASED USING PROPYLENE. LESS GAS WILL BE CONSUMED DURING CUTTING, THEREBY REDUCING EMISSIONS. EMISSIONS WILL ALSO BE REDUCED BY ELIMINATING LOSSES TO LEAKS IN THE NATURAL GAS DELIVERY SYSTEM. USING GASES IN BULK AND CYLINDERS WILL MAKE TRACKING INVENTORY, EFFICIENCY, AND THROUGHPUT EASIER AND MORE ACCURATE.	SCHUFF STEEL COMPANY-GILBERT	200681	2
VOCS	REDUCE VOC EMISSIONS FROM SPRAY COATING OPERATIONS (PHOENIX).	DEVELOP A LIST OF "PREMIUM" COATINGS TO PRESENT TO CLIENTS WHEN BIDDING FOR A JOB. OFFER A LOWER PRICE TO CLIENTS CHOOSING A COATING FROM "PREMIUM" LIST. MODIFY BID/PROPOSAL LANGUAGE TO INDICATE THAT SCHUFF IS COMMITTED TO USING ENVIRONMENTALLY FRIENDLY COATINGS AND PRODUCTS, AND TO ENCOURAGE CUSTOMERS TO REVIEW PRODUCT SPECIFICATIONS FOR THESE PURPOSES.	SCHUFF STEEL COMPANY-GILBERT	200681	5
VOCS	REDUCE VOC EMISSIONS FROM SPRAY COATING OPERATIONS (GILBERT).	DEVELOP A LIST OF "PREMIUM" COATINGS TO PRESENT TO CLIENTS WHEN BIDDING FOR A JOB. OFFER A LOWER PRICE TO CLIENTS CHOOSING A COATING FROM "PREMIUM" LIST. MODIFY BID/PROPOSAL LANGUAGE TO INDICATE THAT SCHUFF IS COMMITTED TO USING ENVIRONMENTALLY FRIENDLY COATINGS AND PRODUCTS, AND TO ENCOURAGE CUSTOMERS TO REVIEW PRODUCT SPECIFICATIONS FOR THESE PURPOSES.	SCHUFF STEEL COMPANY-GILBERT	200681	6
VOCS	REDUCE THE AMOUNT OF VOCs AND HAPs EMITTED DURING THE PAINTING PROCESS.	BY REDUCING THE NUMBER OF PAINT AND SOLVENT VENDORS TO THE MINIMUM NECESSARY; BY ENSURING THAT THESE VENDORS SUPPLY A WIDE VARIETY OF LOW AND FREE-VOC PAINTS AND SOLVENTS; BY UPGRADING EXISTING SPRAY GUNS USED IN THE PAINTING PROCESS WITH AIRLESS SPRAY GUNS; BY MONITORING THE OPERATOR'S ACCESS TO PAINTS AND SOLVENTS.	SCHUFF STEEL COMPANY-PHOENIX	200574	7
VOCS	REDUCE THE AMOUNT OF VOC/ LITER CONTENTS IN AIRCRAFT ADHESIVE BOND PRIMERS.	REPLACE THE CURRENT PRODUCT WHICH CONTAINS 805 GRAMS VOC/LITER WITH A PRODUCT CONTAINING 250 GRAMS VOC/ LITER. THIS INVOLVES RESEARCH, DEVELOPMENT AND IMPLEMENTATION OF THE NEW PRODUCT.	THE BOEING COMPANY	200238	31
VOCS	REDUCE VOC AIR EMISSIONS BY INSTALLING NEW "STATE OF THE ART" PAINT BOOTH.	INSTALL A NEW "STATE OF THE ART" PAINT BOOTH WHICH WILL FURTHER REDUCE VOC AIR EMISSIONS.	U.S. MARINE CORPS - YUMA AIR STATION	200407	22
VOCS (MINERAL SPIRITS, TOLUENE, IPA)	REDUCE VOC EMISSIONS DURING USE OF WAXES AND RELEASE WAXES.	TRAIN PERSONNEL IN PROPER AND EFFICIENT USE OF WAXES AND RELEASE WAXES.	ULTRA INSTALLATIONS, INC	200413	15
VOCS (MINERAL SPIRITS, TOLUENE, IPA)	REDUCE VOC EMISSIONS DURING USE OF WAXES AND RELEASE WAXES.	WORK WITH VENDORS TO FIND, TEST AND PUT INTO PRODUCTION LOWER VOC CONTENT WAXES.	ULTRA INSTALLATIONS, INC	200413	16

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
WASH WATER	8.2.6 #1: REDUCE BY 10% THE AMOUNT OF SULFURIC ACID AND BACK WASH WATER FROM THE ION EXCHANGE REGENERATION (BUILDINGS A,C). FIND A MORE EFFICIENT MEANS OF REGENERATING ION EXCHANGE COLUMNS.	PROCESS MODIFICATION: FIND A MORE EFFICIENT MEANS OF REGENERATING ION EXCHANGE COLUMNS. CONDUCT TESTS TO DETERMINE WAYS TO REDUCE THE AMOUNT OF SULFURIC ACID AND BACKWASH WATER USED, WHILE MAINTAINING THE SAME EFFICIENCY	CONTINENTIAL CIRCUITS	200105	7
WASH WATER	3.3, 3.3a:OVERALL PLANT WIDE REDUCTION GOAL-REDUCE THE QUANTITY OF HAZARDOUS WASTE GENERATED AT PROPELLANT PLANT NO. 3 FROM CLEANUP OF EQUIPMENT AND FROM THE WATER JET CUTTER TO 4000 LBS/YEAR BY DEC. 31, 1995. THIS WILL RETURN THE WASTE GENERATED TO NEAR 1992 LEVELS.	3.3b GOAL A: REDUCE THE QUANTITY BY EXTRACTING THE WATER LEAVING ONLY A SLUDGE WHICH COULD BE TREATED ON-SITE IN THE THERMAL TREATMENT UNIT. THE WATER WOULD BE REUSED AT THE FACILITY. ACTION PLAN (1) PERFORM A LITERATURE SEARCH FOR POSSIBLE METHODS OF WATER EXTRACTION BY OCT. 31, 1994 (CLOSED 1995); ACTION PLAN (2) DETERMINE THE MOST ECONOMICAL WATER EXTRACTION METHOD AND OBTAIN EQUIPMENT COSTS BY NOV, 30, 1994 (CLOSED 11/2000); ACTION PLAN (3) PURCHASE AND INSTALL A WATER RECOVERY SYSTEM BY JULY 31, 1995 (CLOSED 11/2000).	UNIVERSAL PROPULSION COMPANY INC.	200421	8
WASH WATER	3.3c: REDUCE THE QUANTITY OF HAZARDOUS WASTE GENERATED AT PROPELLANT PLANT NO. 3 FROM CLEANUP OF EQUIPMENT AND FROM THE WATER JET CUTTER-CONTINUED. (THIS IS STILL PART OF OVERALL GOAL #8 AND THIS GOAL WILL BE MEASURED AS PART OF GOAL #8.)	3.3c GOAL B: INVESTIGATE AND IMPLEMENT EQUIPMENT CLEANUP PROCESSES WHICH REDUCE THE AMOUNT OF CONTAMINATED WASTE GENERATED. (IMPLEMENT REVISED CLEANUP PROCEDURE TO REDUCE WASTES) ACTION PLAN (1) PERFORM ANALYSIS OF CLEANUP STEPS REQUIRED TO DETERMINE WHERE WATER CAN BE REUSED BY OCT, 31, 1994; ACTION PLAN (2) SELECT AND IMPLEMENT PROCEDURES WHICH REDUCE THE AMOUNT OF WATER NEEDED FOR CLEANUP BY DEC. 31, 1994.	UNIVERSAL PROPULSION COMPANY INC.	200421	9
WASTE WATER	REDUCE THE VOL. OF PROCESS WASTE WATER PRODUCED BY 80%.	1. RECOVER PROCESS WASTE WATER, TREAT, AND REUSE AS INGREDIENT WATER; OR 2. SELL TO THE COGENERATION FACILITY AS COOLING WATER; OR 3. REINTRODUCE TO WELLS; OR 4. REINTRODUCE TO AQUIFER.	ABBOTT LABORATORIES	200326	10
WASTE WATER - OIL	ELIMINATE 50% OF THE OIL/WATER WASTE STREAM. ***INACTIVE FACILITY***	CHANGE CLEANING SYSTEM; INSTALL AUTOMATIC TRANSFER SYSTEM TO PUMP OIL BETWEEN ACCUMULATOR & RECEIVER.	ABBOTT LABORATORIES	200326	6
WASTE WATER	RECOVER AND TREAT FOR REUSE 80% OF PROCESS WASTE WATER.	PROCESS WASTE WATER WILL BE RECOVERED IN THE ENERGY CENTER AND PROCESS THROUGH A 400 MICRON FILTER (REVERSE OSMOSIS SYSTEM) THEN THROUGH A MICRO FILTRATION SYSTEM. NOTE: BASELINE QTY IN GALLONS IS 220,000,000.00.	ABBOTT LABORATORIES	200326	9
WASTE	REDUCE WASTE OF PACKAGING MATERIALS PLANT WIDE.	EVALUATE CURRENT USAGE / PRACTICES. LOCATE VENDOR TO RECYCLE UNUSABLE MATERIAL VERSUS LANDFILL. SEEK MORE DURABLE ALTERNATIVES AND/OR WAYS TO REUSE MATERIAL ELSEWHERE IN PLANT.	ABRAMS AIRBORNE MFG	200003	10
WASTE PAINT/SLUDGE/PLATIN	REDUCE THE AMOUNT OF HAZARDOUS WASTE GENERATED BY EVALUATING THE FEASIBILITY OF ATTAINING CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR STATUS.	FIND A SUITABLE SUBSTITUTE FOR MEK AND INVESTIGATE THE ADVANTAGES OF A CLOSED LOOP WATER SYSTEM.	ABRAMS AIRBORNE MFG	200003	3
WASTE WATER - NICKEL	REDUCE WASTE WATER GENERATED BY 10% OVER THE NEXT TWO YEARS.	INSTALL FIXED RINSE BAR TO CONTROL AMOUNT OF WATER USED IN PROCESS.	ACME ELECTRIC CORP. AEROSPACE DIVISION	200482	17
WASTE WATER (PLATING)	REDUCE THE WATER USED IN THE ELECTROLESS RINSING PROCESSES BY 25%	INSTALL A SPRAY RINSE BAR TO CONTROL WATER; INSTALL A CASCADE SYSTEM TO ALLOW FOR MULTIPLE REUSE OF WATER	ACME ELECTRIC CORP. AEROSPACE DIVISION	200482	7
WASTE WATER (HAZARDOUS)	REDUCE HAZARDOUS RINSE WATER FROM THE PLAQUE RINSE IN THE ELECTROLESS PLATING TANKS	REMOVE OPERATOR CONTROLLED SPRAY EQUIPMENT, INSTALL FIXED RINSE HEADS, INSTALL A RINSE WATER FILTER AND RECYCLE TANK AND PIPING	ACME ELECTRIC CORP. AEROSPACE DIVISION	200482	9
WASTE WATER	REDUCE AIR EMISSIONS AND WASTE GENERATION FROM RECIRCULATING HIGH PRESSURE WATER RINSE.	IMPROVE HOUSEKEEPING SKILLS IN SPRAY BOOTH TO REDUCE CONTAMINATED PAINT AND IMPROVE SPRAY EFFICIENCY 1/98; TRY AGAIN TO USE RO TO PURIFY THE SPENT WATER RINSE SOLUTION - 6/99.	ALLIED TUBE AND CONDUIT	200032	15
WASTE OIL	REDUCE/ ELIMINATE OIL CONTAMINATION BY IMPROVING COLLECTION OF OIL WASTES - PLANTWIDE.	PURCHASE MOBILE OIL STORAGE UNIT TO COLLECT OIL FROM THE VARIOUS SOURCES TO IMPROVE RECYCLABILITY AND, PREVENT CONTAMINATION.	APACHE NITROGEN PRODUCTS, INC.	200038	1
WASTE WATER	REDUCE WASTE WATER USE AND INCREASE QUALITY OF WASTE OIL FOR RECYCLING IN POWERHOUSE.	INSTALL STATE-OF-THE-ART OIL/WATER SEPARATOR THEN POSSIBLY USE THE WASTEWATER AS MAKEUP TO THE COOLING TOWERS	APACHE NITROGEN PRODUCTS, INC.	200038	5
WASTE PAINT	REDUCE THE AMOUNT OF WASTE PAINT BEING DISPOSED OF AS HAZARDOUS WASTE BY 20% OVER THE 5-YEAR PERIOD.	IMPLEMENT SEGREGATION PROCESSING OF PAINT WASTE.	APS PALO VERDE NUCLEAR	200042	10
WASTE THINNER & SOLVENTS	REDUCE WASTE THINNERS AND SOLVENTS. EVALUATE NEED FOR PURCHASE OF ADDITIONAL SOLVENT RECYCLE EQUIPMENT AND PURCHASE EQUIPMENT AS REQUIRED APPROVED FOR USE ONSITE BY 20%.	IMPLEMENT USE OF SOLVENT RECYCLING EQUIPMENT.	APS PALO VERDE NUCLEAR	200042	6

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
WASTE WATER	REDUCE AMMONIA WASTE WATER DISCHARGES BY 90% CONTAINED IN WASTE WATER OPERATIONS FROM RINSING RETURNABLE CONTAINERS AND PROCESS TANKS WHICH CONTAIN AMMONIA.	(1) IMPROVE SYSTEM TO REMOVE CHEMICAL HEELS FROM TANKS PRIOR TO RINSING. (2) PRIOR TO RINSING, COLLECT CHEMICAL HEELS FROM DRUMS TAKEN OUT OF SERVICE. (3) COLLECT FLUSHES FROM TANK SAMPLING AND PACKAGING OPERATIONS AND RETURN TO PROCESS. (4) EVALUATE COOLING OF AMMONIUM HYDROXIDE PRODUCT WHEN PACKAGING TO REDUCE VAPOR LOADING TO THE SCRUBBER	ARCH CHEMICALS, INC.	200608	12
WASTE WATER	REDUCE FLUORIDE WASTE WATER DISCHARGES BY 90% IN WASTE WATER OPERATIONS FROM RINSING RETURNABLE CONTAINERS AND PROCESS TANKS WHICH CONTAIN FLUORIDE.	IMPROVE SYSTEM TO REMOVE CHEMICAL HEELS FROM TANKS PRIOR TO RINSING. PRIOR TO RINSING, COLLECT HEELS FROM DRUMS BEING TAKEN OUT OF SERVICE. COLLECT FLUSHES FROM TANK SAMPLING AND PACKAGING OPERATIONS AND RETURN TO PROCESS.	ARCH CHEMICALS, INC.	200608	13
WASTE WATER (TREATED)	REDUCE TOTAL PLANT DISCHARGE VOLUME TO THE CITY OF MESA POTW BY 20%. (QUANTIFY IN POUNDS OF DISCHARGE VOLUME PER POUND OF PRODUCT).	REVIEW ALL PROCESSES ON SITE THAT USE WATER AND IMPLEMENT REDUCTION PROGRAMS FOR APPLICABLE WASTEWATER STREAMS. IMPLEMENT A PROCESS FOR RETAINING RO REJECT WATER SO THAT IT CAN BE REUSED IN CITY DRUM RINSING OPERATIONS AND FOR A WATER SUPPRESSION SYSTEM IN THE DISTILLATION AREA. EVALUATE THE NEED FOR PASSIVATION PROCESS AND DETERMINE WHAT CAN BE IMPLEMENTED IN THE PROCESS TO REDUCE THE WASTEWATER THAT IS GENERATED IN THIS SYSTEM. 7/99: PROJECT BEING FINALIZED TO REUSE RO REJECT WATER AS MAKEUP WATER FOR PROCESS SCRUBBERS. ADDITION 7/01: STORAGE TANK INSTALLED TO HOLD RO REJECT WATER; TIE-INS TO SCRUBBER 4/01. REDUCED DRUM RINSE TIME 60% FROM 3 MINUTES TO 1 MINUTE PER DRUM. DEDICATED TANKS TO PRODUCT FAMILIES TO REDUCE RINSING BETWEEN PRODUCTS.	ARCH CHEMICALS, INC.	200608	8
WASTE	REDUCE TOTAL PLANT GENERATED HAZARDOUS WASTE BY 50% BY THE YEAR 2000 USING 1997 AS A BASE YEAR.	TRACK THE TANK DRAINS GENERATED IN THE PROCESS AREA AND DETERMINE WHICH TANKS REQUIRE SMALLER BATCH SIZES. SET UP SATELLITE AREAS FOR ROUTINE WASTE GENERATION. SEGREGATE HAZARDOUS WASTE AND NONHAZARDOUS WASTE. IMPROVE EMPLOYEE TRAINING ON HOW TO HANDLE HAZARDOUS WASTE.	ARCH CHEMICALS, INC.	200608	9
WASTE WATER	RECYCLE THE WASTE WATER ON SITE AND RETURN IT TO THE RINSE TANKS THROUGHOUT THE TREATMENT PROCESS. ACTION PLAN: TRIAL RUNS OF THE FILTER PRESS AND SUBSEQUENT TESTING OF THE RECYCLED RINSE WATER TO DETERMINE WHICH, IF ANY, OF THE RINSE STEPS CAN USE THE RECYCLED WATER.	USE A MULTI-FRAME FILTER PRESS ON SITE TO REMOVE THE ALUMINUM OXIDE FROM THE WASTE WATER IN ORDER TO RE-USE IT IN AS MANY RINSE STEPS AS POSSIBLE.	ARIZONA MPP	200570	3
WASTE WATER	REDUCE AND RECYCLE RINSE WATERS.	REDUCTION AND RECYCLING OF RINSE WATERS USING PARTS RACKING METHODS, SEGREGATION OF WASTESTEAMS, DIRECT REUSE OF RINSE WATERS AND CLOSED LOOP OR PARTIALLY CLOSED LOOP SYSTEMS.	ASTROPLATE INCORPORATED	200051	7
WASTE WATER - CHROMIUM	REDUCE THE AMOUNT OF CHROMIUM AND NICKEL BEARING WASTE WATERS 1) COMPLETE FEASIBILITY STUDY 8/1/1999 2) SEND OUT FOR BIDS 10/1/1999 3) INSTALL AND BEGIN OPERATION 2/1/2000.	IMPLEMENT RO UNITS TO RECYCLE HEAVY METAL BEARING WASTEWATER	AZ PLATING & ANODIZING CO	200062	11
WASTE WATER - NICKEL	REDUCE THE AMOUNT OF CHROMIUM AND NICKEL BEARING WASTE WATERS 1) COMPLETE FEASIBILITY STUDY 8/1/1999 2) SEND OUT FOR BIDS 10/1/1999 3) INSTALL AND BEGIN OPERATION 2/1/2000.	IMPLEMENT RO UNITS TO RECYCLE HEAVY METAL BEARING WASTEWATER	AZ PLATING & ANODIZING CO	200062	11
WASTE WATER (OIL)	REDUCE HAZARDOUS WASTE FROM CONTAMINATED WATER/ OIL MIXTURE.	PURCHASE AN ACTIVATED CHARCOAL FILTRATION SYSTEM (AQUASORB TM60)	AZ DEPT OF EMERGENCY MILITARY AFFAIRS	200058	5
WASTE WATER (OIL)	ELIMINATE CONTAMINATED WASTE/ OIL MIXTURE.	INSTALLED 3 CLOSED LOOP RECYCLING WASH RACKS IN VEHICLE MAINTENANCE SHOPS. ACTIVATED CHARCOAL SYSTEM FAILED.	AZ DEPT OF EMERGENCY MILITARY AFFAIRS	200058	7
WASTE WATER	REDUCE THE AMOUNT OF WASTE WATER DISCHARGED ***GOAL DROPPED - FACILITY CLOSED 12/4/97***	PIPE THE TUB WASHER DISCHARGE BACK TO THE PROCESS WATER SIDE	BFI MEDICAL WASTE OF ARIZONA	200517	5
WASTE WATER	REDUCE WASTE WATER STREAMS FROM PUMPS AND COMPRESSOR COOLING BY 50%.	BY INSTALLING SELF CONTAINED CHILLER UNITS TO COOL THE EQUIPMENT	BOC GASES	200020	10
WASTE WATER	REDUCE WATER USAGE BY PROCESS SCRUBBERS BY 50%.	BY INSTALLING ISOLATION VALVES THAT WILL ALLOW EACH SCRUBBER TO BE SHUT DOWN WHEN NOT IN USE.	BOC GASES	200020	9
WASTE WATER (PLATING)	PLATING PROCESS: REDUCE THE AMOUNT OF WATER USED AND METALS DISCHARGED BY UPGRADING THE WASTE WATER TREATMENT SYSTEM. THE WASTE WATER CONTAINS CHROMIUM, NICKEL, COPPER, SILVER, AND ZINC.	REBUILD/ RE-DESIGN PIT CONTAINING CYANIDE DESTRUCT, CHROME REDUCTION AND ACID AND ALKALINE WASTE STORAGE. ADD 3 - 3,000 GALLON PH ADJUSTMENT TANKS WITH AUTO CHEMICAL METERING, REPLACE UNDERSIZED CLARIFIER WITH NEW LAMELLA UNIT. CONTROL ALL FUNCTIONS WITH A PLC CONTROLLER. REDUCE FILTRATION BACKWASH CYCLE TIMES.	CHEM RESEARCH CO	200085	14
WASTE WATER	REDUCE THE USE OF WATER BY 50%. - INVESTIGATE USE OF AIR VALVES 6/30/98 (C) - INVESTIGAT POINT SOURCE TREATMENT 1/31/99 (D, 9/15/99) - TRIAL THE POINT SOURCE 3/31/99 (D, 11/30/99) - TRIAL RECIRCULATING RINSES 5/30/99 (D, 1/30/00) EXPAND TRIAL AND EVALUATE RESULTS 8/31/99 (D, 4/30/00)	EVALUATE THE RECYCLING OF WASTEWATER ONSITE. REFER TO 1998 AMENDMENT WHICH OUTLINES ACTION PLAN FOR GOAL ACCOMPLISHMENT.	CIRCUIT EXPRESS, INC.	200097	4

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
WASTE WATER	REUSE COOLING WATER	EVALUATE OPTIONS FOR REUSING COOLING WATER. REFER TO 1998 AMENDMENT WHICH OUTLINES ACTION PLAN FOR GOAL ACCOMPLISHMENT.	CIRCUIT EXPRESS, INC.	200097	5
WASTE WATER (ION EXCHANGE)	8.12.15 #1: REUSE LIQUID ION EXCHANGE EFFLUENT FROM BUILDING C	PROCESS MODIFICATION: SEND THE ION EXCHANGE EFFLUENT THROUGH THE COOLING TOWERS.	CONTINENTIAL CIRCUITS	200105	19
WASTE WATER (TIN/LEAD)	8.2.15 #2: REUSE WASTE WATER FROM TIN AND LEAD PLATE IN BUILDINGS A & B.	PROCESS MODIFICATION: INSTALL A RESIN BASED TREATMENT SYSTEM	CONTINENTIAL CIRCUITS	200105	20
WASTE WATER - COPPER SLUDGE	8.2.20 RECOVER COPPER FROM WASTE WATER IN BLDG. B THROUGH ION EXCHANGE.	DIVERT COPPER BEARING WASTE-WATER (eg.FROM PHOTO-RESIST ETCHING & ELECTROLESS COPPER PLATING) TO ION EXCHANGE	CONTINENTIAL CIRCUITS	200105	26
WASTE WATER TREATMENT SLDG	8.2.2 #1: WASTE WATER TREATMENT SLUDGE BUILDINGS A, B AND C: REDUCE TOXIC MATERIAL (DIMETHYL DITHIOCARBAMATE) AND VOLUME OF SLUDGE. LESS TOXIC, MORE EFFICIENT POLYMERIC REDUCING AGENTS WILL BE EVALUATED TO IMPROVE THE DEWATERABILITY OF THE SLUDGE, THEREBY REDUCING VOLUME.	PROCESS MODIFICATION: USE LESS TOXIC, MORE EFFICIENT POLYMERIC REDUCING AGENTS IN PLACE OF DTC (DIMETHYL DITHIOCARBAMATE). USE ROMAR SYSTEM	CONTINENTIAL CIRCUITS	200105	3
WASTE WATER - SLUDGE	REDUCE THE AMOUNT OF WASTE WATER RESIDUE BEING GENERATED FROM WASTE WATER PROCESSING.	IMPROVE WORK PRACTICES; INSTITUTE CONTROL MEASURES TO PREVENT OVERFILLING OF THE SYSTEM.	CORELLA ELECTRIC WIRE AND CABLE	200698	5
WASTE WATER - OIL	REDUCE THE AMOUNT OF OILY WASTE WATER GENERATE. AIR DRYERS REMOVE CONTAMINATING MOISTURE AND COMPRESSOR OIL MIST FROM COMPRESSED AIR LINES. OILY WATER IS DISCHARGED FROM THE UNIT. REUSE THE WATER PORTION OF THE OIL-WATER MIXTURE PRODUCED FROM THE AIR DRYER.	SEPARATE THE WATER PORTION OF THE WATER-OIL MIXTURE PRODUCED BY THE AIR DRYERS. REUSE THE WATER TO MOP THE MACHINING FLOOR.	CORNING GILBERT INC.-GLENDALE	200157	7
WASTE ACETONE	REDUCE THE AMOUNT OF ACETONE USED FOR DILUTION BY TEMPE PRODUCTS.	EVALUATE SAFETY OF REDUCING ACETONE DILUTION RATION	CYTECFIBERITE	200185	33
WASTE ACETONE	REDUCE THE AMOUNT OF ACETONE USED FOR DILUTION BY ORANGE PRODUCTS.	EVALUATE SAFETY OF REDUCING ACETONE DILUTION RATION.	CYTECFIBERITE	200185	36
WASTE RESIN	REDUCE THE VOLUME OF RESIN DISPOSED OF AS WASTE IN CMR.	EVALUATE THE POSSIBILITY OF MAKING SMALLER BATCHES FOR EXPERIMENTS.	CYTECFIBERITE	200185	37
WASTE TREATED SEED	REDUCE TREATED COTTON SEED WASTE AT CLEANOUT.	MODIFY THE COTTON SEED ELEVATORS.	DELTA & PINE LAND CO	200119	5
WASTE TREATED SEED	REDUCE THE AMOUNT OF TREATED COTTON SEED.	CHANGE ROLLERS TO GET MORE PRODUCT TO BAGGING.	DELTA & PINE LAND CO	200119	6
WASTE TREATED SEED	REDUCE DUST IN COTTON SEED PRIOR TO TREATMENT TO TREAT LESS DUST AND GENERATE LESS CHEMICAL BALLS.	MODIFY THE EQUIPMENT.	DELTA & PINE LAND CO	200119	7
WASTE ACETONE	WASTE MINIMIZATION: MINIMIZE STILL BOTTOMS	INVESTIGATE FILTERING OUT SOLIDS (ADD A FILTER SCREEN) BEFORE ACETONE DISTILLATION.	DISTINCTIVE MARBLE	200496	8
WASTE WATER	REDUCE THE GENERATION OF HAZARDOUS WASTE IN THE ACID ETCH AND MOLTEN SODIUM BATH PARTS CLEANING PROCESSES.	INSTALL A NATURAL GAS FIRED EVAPORATOR (C); PRECIPITATE HEAVY METALS DURING WASTE WATER TREATMENT (C); DISSOLVE SOLID SODIUM HYDROXIDE IN WATER (DR); RELOCATE THE CLEANING SYSTEMS TO A CENTRAL LOCATION CLOSER TO THE TREATMENT SYSTEM TO REDUCE THE POTENTIAL FOR SPILLS (DR).	DOLPHIN, INCORPORATED	200125	11
WASTE WATER (TREATED)	REDUCE THE AMOUNT OF TREATED WASTE WATER DISCHARGED TO SEWER.	EVALUATE TECHNOLOGY TO TREAT EFFLUENT FROM WASTE WATER TREATMENT FACILITY ECONOMICALLY FOR REUSE AS FRESH WATER IN THE MANUFACTURING PROCESS; INSTALL EQUIPMENT TO COLLECT/ TREAT EFFLUENT AND DELIVER WATER TO THE MANUFACTURING PROCESS	DUREL CORPORATION	200518	10
WASTE INK/ PRODUCT SCRAP	REDUCE PRODUCT SCRAP AND INK WASTE RESULTING FROM USE OF UNCERTIFIED INK LOTS.	DEVELOP AND UTILIZE A CERTIFICATION LABELING SYSTEM TO INDICATE THAT ALL INK PROCESSING HAS BEEN COMPLETED AND SIGNED OFF PRIOR TO RELEASING THE INK TO PRODUCTION, INSTRUCT PERSONNEL TO USE ONLY CERTIFIED INKS WHICH HAVE BEEN RELEASED FOR PRODUCTION.	DUREL CORPORATION	200518	14
WASTE WATER	REDUCE THE AMOUNT OF WATER USED IN THE PRECLEAN ELECTROLYTIC PLATING LINE. WATER CONSERVATION FOR THE PLATING/ WET FLOOR AREA.	SEGREGATE RINSES WITH FLOW CONTROLS AND WATER QUALITY REQUIREMENTS; INSTALL AIR PURGES; DETERMINE WATER QUALITY FOR EACH RINSE BATH INSTALLED FLOW RESTRICTOR SENSORS AND MONITORING FLOW ACCUMULATION TO DETECT WATER USE	DYNACO ACQUISITION CORP.	200129	7
WASTE WATER	PREVENT POSSIBLE DRIPS AND LEAKS IN PROCESS PIPING CAUSED BY THREADED CONNECTIONS. INCREASE TRAINING ON FUGITIVE EMISSIONS.	REPLACE ALL THREADED CONNECTIONS ON PROCESS PIPING WITH WELDED CONNECTIONS OR COMPRESSION FITTINGS.	GEM MICROELECTRONIC MATERIALS (FKA HONEYWELL SPEC CHEM)	200600	7
WASTE WATER - SLUDGE	F006 (WASTE WATER TREATMENT SLUDGE) REDUCTION:10% BY 1/1/94, 30% BY 1/1/95, 35% BY 12/31/95.	PLATING AND PRINTED WIRING BOARD SHOP OPERATIONS HAVE BEEN ELIMINATED, THUS REDUCING THE F006 WASTE STREAMS TO 0.	GENERAL DYNAMICS DECISION SYSTEMS	200257	7

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
WASTE WATER	REDUCE WASTE WATER.	INSTALL WASTEWATER TREATMENT SYSTEM TO CLEAN WASTEWATER INSTEAD OF EVAPORATING IT. REUSE THE CLEAN WATER IN PRODUCTION PROCESS.	GOODRICH TURBOMACHINERY PRODUCTS	200434	13
WASTE WATER	ELIMINATE ALL WASTE WATER FROM THE METHYL BROMIDE REPACKAGING OPERATION	FILTER AND REUSE ALL WATER USED TO WASH THE MeBr CONTAINERS BEFORE REPAINTING AND REFILLING	GOWAN CO.	200164	3
WASTE RESIN	REDUCE RESIN GENERATION FROM NEW FLOORING CORE BLOWOUT BY 90%	1) INCREASE SOLIDS CONTENT IN FLOORING CORE DIP RESIN TO REDUCE RESIN WASTE GENERATION BY 50% BY 12/00, AND (2) CONSTRUCT NEW BLOWOUT RACK, WHICH WILL ALLOW SEGREGATION AND REUSE OF FLOORING CORE RESIN BY 90% BY 12/01	HEXCEL CORPORATION	200464	24
WASTE WATER	AUTOMATIC SHUTDOWN AT ACID PIT, HIGH LEVEL IN WASTE WATER TREATMENT SYSTEM FOR CHROME.	INSTALL EQUIPMENT AND SENSORS THAT SHUT DOWN FPL DISCHARGE PUMPS WHEN PIT LEVEL IS AT HIGH LEVEL	HEXCEL CORPORATION	200464	7
WASTE WATER	PROVIDE SYSTEM TO MAINTAIN PH OF WATER TO CITY SEWER WITHIN REGULATED PARAMETERS.	TEST ALL SOURCES OF OUTFLOW TO CITY SEWER; INSTALL SYSTEM THAT WILL MONITOR AND CONTROL	HEXCEL CORPORATION	200464	8
WASTE WATER (PLATING)	REDUCE THE CONCENTRATION AND VOLUME OF WASTE WATER TO BE TREATED ON-SITE. REDUCE WATER USED IN THE PLATING PROCESS AND SENT TO POTW.	INSTALL AND USE STATIC RINSE TANKS IN PLATING PROCESS TO REDUCE DRAGOUT AND MINIMIZE RINSE WATER NEEDING TREATMENT	HI-TECH PLATING INC.	200175	1
WASTE WATER (SLUDGE CAKE)	REDUCE AMOUNT OF WASTE SHIPPED OFF-SITE FOR DISPOSAL FROM THE PLATING PROCESS THROUGH THE WASTE WATER TREATMENT SYSTEM.	INSTALL AN ION EXCHANGE SYSTEM ALONG WITH ASSOCIATED EVAPORATION UNIT, SETTLING TANK AND FILTER PRESS	HI-TECH PLATING INC.	200175	2
WASTE WATER - SLUDGE	REDUCE PLATING SOLUTION LOSS DUE TO DRAG OUT OR EMISSIONS 1) INVESTIGATE USE OF ALTERNATIVE TECHNOLOGIES IDENTIFIED BY 10/1/1998 2) CONTACT INDUSTRIES INVOLVED IN AND EXPERIENCED WITH TECHNOLOGIES BY 11/1/1998 3) INSTALL SELECTED TECHNOLOGIES 1/1/2000 4) EVALUATE COSTS AND EFFICIENCIES OF OPERATION 1/1/2001	USE OF WETTING AGENTS, FOAM SUPPRESSANTS, PLASTIC BALLS TO REDUCE EVAPORATION LOSS, USE OF MODIFIED PART RACKS AND RACKING METHODS TO REDUCE DRAG OUT, USE OF POLLUTION CONTROL DEVICE TO RENDER EMISSIONS NON-HAZARDOUS TO THE ATMOSPHERE	HI-TECH PLATING INC.	200175	3
WASTE WATER	REDUCE THE AMOUNT OF WATER USED IN THE CHLORINE CYLINDER AND DRUM WASHING PROCESS.	RECYCLE THE WATER USED TO WASH CYLINDERS AND DRUMS BY USING IT FOR THE COOLING TOWER AND OTHER AREAS.	HILL BROTHERS CHEMICAL CO.-PHX.	200176	1
WASTE (COOLANT)	(GOAL FOR 200145) REDUCE COOLANT WASTE 1) SELECT COOLANT MANAGEMENT 2) INCREASE EFFECTIVE INHOUSE TREATMENT FOR COOLANT WASTE 3) DESIGN A MOBILE PUMP STATION WITH FILTER 4) BUILD A ROOM FOR RECYCLE COOLANT UNIT 5) REVIEW EFFECTIVENESS OF PLAN.	1) SELECT COOLANT MANAGEMENT 2) INCREASE EFFECTIVE IN-HOUSE TREATMENT 3) DESIGN A MOBILE PUMP STATION WITH FILTER	HONEYWELL ENGINES (FORMERLY ALLIEDSIGNAL ENGINES)	200144	11
WASTE SLUDGE	REASSESS WASTE WATER TREATMENT MANAGEMENT OPTIONS TO CONSIDER ZERO DISCHARGE.	1. BATCH CHEMICAL TREATMENT IN HOLDING TANKS TO REDUCE TOXICITY OF METAL SLUDGE 2. AN ALTERNATIVE CHEMICAL PRECIPITATION IN THE CHROME ALODINE PROCESS TO REDUCE CHROME USE 3. RESEARCH CLOSED LOOP RECYCLING AND ALTERNATIVE TECHNOLOGIES HAVE BEEN ELIMINATED AS P2 ALTERNATIVES.	HONEYWELL - 19TH AVE PHOENIX	200181	15
WASTE WATER	REDUCE ANNUAL WATER CONSUMPTION OF 7 MILLION GALLONS BY RECYCLING THE WASTE WATER TREATMENT EFFLUENT FOR ACID/ALKALINE FUME SCRUBBER MAKE-UP H20.	REPLACE THE CITY WATER WITH TREATED INDUSTRIAL WASTE WATER.	HONEYWELL ENGINES AND SYSTEMS	200149	18
WASTE OAKITE RUSTSTRIPPER	REDUCE OAKITE RUSTSTRIPPER (CORROSIVE ALKALINE CLEANER) USED FOR METAL PARTS CLEANING IN THE ENGINE WASH LINE AREA.	P2 PROCESS CHANGES WERE IMPLEMENTED (I.E., USE OF WATER BASE CLEANERS TO REMOVE CONTAMINANTS FROM PARTS PRIOR TO ENTERING OAKITE TANKS, ADDITIONAL QC TESTS OF OAKITE SOLUTION TO VERIFY SOLUTION CHANGES, ETC.) ALTERNATIVE CLEANING SOLUTIONS ARE BEING EVALUATED AS A REPLACEMENT FOR OAKITE RUSTSTRIPPER.	HONEYWELL AEROSPACE SERVICES	200024	4
WASTE PAINT	REDUCE WASTE PAINT MATERIALS. ACTION PLAN: 1. EVALUATE GRAVITY FEED SPRAY GUN, 2. RESOLVE ANY PAINTING/CLEANING ISSUES TO USE GRAVITY FEED GUNS, 3. CONVERT PAINTING PROCESSES TO USE GRAVITY FEED PAINT GUNS, 4. EVALUATE GRAVITY FEED PAINTING PROCESS AFTER 3 MONTHS IN USE.	REPLACE SIPHON FEED PAINT GUNS WITH GRAVITY FEED PAINT GUNS	HONEYWELL AEROSPACE SERVICES	200024	8
WASTE WATER - CYANIDE (DECANT)	REDUCE CYANIDE DECANT WATER DISPOSAL AMOUNTS BY 50%.	TREAT CYANIDE DECANT WATER IN THE WASTE WATER PROCESS RATHER THAN DISPOSE OF IT AS HAZARDOUS WASTE.	HUCK FASTENERS	200183	15
WASTE OIL	REDUCE QUANTITY OF W.S. WASTE OILS BY 25%	DETERMINE IF A SMALL FILTRATION SYSTEM IS AVAILABLE TO FILTER PARTICULATES FROM THE OIL. THIS WOULD ALLOW REUSE OF THE OIL. DETERMINE WHETHER ACCEPTABLE OFF-SITE RECYCLING IS AVAILABLE.	IBM CORPORATION	200194	8
WASTE WATER - SLUDGE	REDUCE GENERATION OF F006 SLUDGE BY REMOVING 25 TO 40 LB./DAY OF COPPER AND 2 TO 4 LB./DAY OF NICKEL FROM PROCESS WASTE WATERS.	REDUCE GENERATION OF F006 SLUDGE BY INSTALLING COPPER ELECTORWINNING AND NICKEL ELECTROWINNING EQUIPMENT.	INNOVEX SOUTHWEST, INC.	200511	3

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
WASTE WATER	REDUCE WATER CONSUMPTION ON CHANDLER CAMPUS BY REDUCING THE AMOUNT DISCHARGED.	IMPLEMENT A VARIETY OF WATER RECLAIM AND REDUCTION ACTIVITIES INCLUDING RO SECOND PASS REJECT USE IN COOLING TOWERS, AND INSTALLATION OF A DECARBONATOR.	INTEL CORP.- CHANDLER CAMPUS	200191	20
WASTE RESIN SOLVENT	REDUCE VOLUME OF RESIN WASTE STREAM BY 50% WHICH IS THE EQUIVALENT OF 120,000 LBS. PER YEAR. ACTION PLAN: 1. PERFORM PROJECT COST/ENGINEERING ANALYSIS. 2. SECURE FUNDING FOR PROJECT. 3. PROCURE EQUIPMENT AND CONSTRUCTION. 4. IMPLEMENTATION. 5. REVIEW EFFECTIVENESS OF PLAN.	IMPLEMENT A BENEFICIAL USE OF CHANDLER SPENT RESIN AS A RAW MATERIAL FOR LAMINATE MANUFACTURE.	ISOLA LAMINATE SYSTEMS	200268	3
WASTE WATER	CAPTURE AND CONTINUOUSLY REUSE TEST WATER INSTEAD OF CREATING WASTE WATER AT EACH ASSEMBLY SPRAY TESTED.	DESIGN AND BUILD A NEW SPRAY TEST FIXTURE THAT IS SELF CONTAINED WITH PUMP-TO-SPRAY CAPTIVE RECYCLED WATER FROM ITS TANK.	JOHNS MANVILLE INTERNATIONAL INC.	200227	10
WASTE WATER	IMPROVE THE QUALITY OF TOTAL INDUSTRIAL WASTE WATER LEAVING PLANT BY REMOVING OIL, GREASE AND SUSPENDED SOLIDS. ACTION PLAN: (1) RESEARCH, DETERMINE SPECIFICATIONS. (2) OBTAIN COMPETITIVE PRICES. (3) PURCHASE & INSTALL SYSTEM.	PURCHASE AND INSTALL A FILTRATION SYSTEM CAPABLE OF FILTERING TOTAL INDUSTRIAL WASTE WATER BEFORE IT IS PUMPED TO THE SEWER LINE LEADING TO THE LOCAL P.O.T.W.	JOHNS MANVILLE INTERNATIONAL INC.	200227	11
WASTE WATER	REDUCE WASTE WATER DISCHARGE FLOW BY 5% ANNUALLY OVER 2 YEARS	TRAIN OPERATORS IN BEST MANAGEMENT PRACTICES AND TRACK USAGE.	KACHINA TECH SERV & PROCESS (KTSP)	200697	2
WASTE WATER - SLUDGE	REDUCE SLUDGE WASTE VOLUME FROM WASTE WATER TREATMENT BY 5% ANNUALLY.	INSTALLATION OF AN ION EXCHANGE SYSTEM TO TREAT WASTEWATER FROM PROCESS LINES FOR METALS RECOVERY, INVESTIGATE USE OF A MORE EFFICIENT FLOCCULATION CHEMISTRY TO REPLACE FERROUS SULFATE, INVESTIGATE USE OF A SLUDGE DRYER TO REDUCE WASTE VOLUME.	KACHINA AEROSPACE & SEMICONDUCTOR	200203	25
WASTE WATER	REDUCE TOTAL HAZARDOUS CHEMICALS AND RESULTING WASTE GENERATED IN 1990 BY 12/31/95: WASTE WATER (OBJ. 5).	DEVELOP A FIVE YEAR PLAN TO BECOME A ZERO WASTEWATER DISCHARGER BY JANUARY 1994	KACHINA AEROSPACE & SEMICONDUCTOR	200203	3
WASTE OIL	REDUCE THE USE OF OIL IN FOUR ON-SITE AMMONIA COMPRESSORS	REVIEW, PURCHASE & INSTALL ALTERNATIVE METHOD OF OIL REDUCTION SYSTEM SUCH AS KEMPCO SYSTEMS REMOVAL-USE SYSTEM OR OTHER ADV. SYSTEM	KALIL BOTTLING COMPANY	200205	2
WASTE WATER (RINSE COPPER)	REDUCE THE AMOUNT OF WASTE WATER RINSE FROM DEBURRER/TUMBLER MACHINE (CONTAINS PARTICULATE COPPER).	EVALUATE EVAPORATION (MOST WASTEWATER IS WATER)	LAMBDA ELECTRONICS, INC.	200214	5
WASTE WATER	REDUCE WASTE WATER SHIPPED OFFSITE FOR TREATMENT AND DISPOSAL ***INACTIVE FACILITY***	ULTRAFILTRATION OR MICRO-FILTRATION OF USED CRYSTAL SIMPLE GREEN DETERGENT SOLUTIONS PLUS NANOFILTRATION OF USED RINSE WATER TO ALLOW FOR REUSE OF WATER IN PARTS CLEANING OPERATION	LINCOLN LASER COMPANY	200217	4
WASTE ACETONE	RECYCLE 95% OF ACETONE IN LIEU OF DISPOSAL.	LOCATE OFF-SITE CUSTOMER THAT CAN REUSE SPENT ACETONE WITHOUT FURTHER PROCESSING.	LITTON ELECTRO - OPTICAL SYSTEMS	200218	12
WASTE WATER - SLUDGE	REDUCE SLUDGE GENERATED FROM WASTE WATER TREATMENT OPERATIONS BY 50%.	INSTALLED A SLUDGE FILTER PRESS TO MINIMIZE SLUDGE VOLUME FOR DISPOSAL. ACHIEVED 67% REDUCTION	LITTON ELECTRO - OPTICAL SYSTEMS	200218	9
WASTE WATER (EFFLUENT)	IDENTIFY, CONSTRUCT AND TEST ALTERNATIVE TECHNIQUES FOR EVAPORATION OF WASTE WATER TO REDUCE POTW DISCHARGES	USE LOCAL UNIVERSITY HELP TO SELECT TECHNIQUES; CONSTRUCT A PROTOTYPE; CONSTRUCT FULL SCALE SYSTEM	LOCKHEED AEROMOD AIRCRAFT CENTERS	200219	3
WASTE WATER (ORGANICS)	REDUCE THE AMOUNT OF POLLUTANTS DISCHARGING TO THE POTW FROM THE WASTE WATER TREATMENT FACILITY	RESEARCHED TECHNOLOGIES THAT DESTROY ORGANICS IN THE WASTE WATER; INSTALLED PEROX SYSTEM	LOCKHEED AEROMOD AIRCRAFT CENTERS	200219	4
WASTE WATER	ELIMINATE SENDING OUT WASTE WATER, CONTAMINATED WITH 25% SOLVENT (75% WATER), FOR DISPOSAL.	ITRIED A BIOREACTOR TO TREAT WASTEWATER (IT WAS TOO SLOW); DESIGNED A FLUIDIZED SANDBED FURNACE WITH REACTO COIL AT A TEMPERATURE OF 1000 DEGREES F TO INCINERATE THE SOLVENT CONTAMINATED WASTEWATER	MEDTRONIC, TEMPE	200240	4
WASTE WATER - SLUDGE	REDUCE INDUSTRIAL PROCESS WATER USAGE, WASTE WATER AND SLUDGE GENERATION.	PURCHASE AND INSTALL POINT SOURCE CLOSED-LOOP RECYCLING UNITS FOR AQUEOUS PROCESSES.	METCO METAL FINISHING - PHOENIX	200451	50
WASTE PAINT	REDUCE BY 80%-90% FUGITIVE PAINT SOLVENT AIR EMISSIONS AND WASTE PAINT AND SOLVENT MIXTURE HAZWASTE.	CURRENTLY EXPERIMENTING WITH AN AQUEOUS SOLVENT FOR FLUSHING THE PAINT LINES.	MI HOME PRODUCTS INC.	200072	17
WASTE WATER - SLUDGE	REDUCE THE QUANTITY OF WASTE WATER TREATMENT SLUDGE GENERATED	CHANGE FROM CHEMICAL PRECIPITATION TO ION FILTRATION SYSTEM (U.S. FILTER CO.) BASELINE QUANTITY 29.3 TONS. REDUCTION 26.4 TONS 1998	MICOM CIRCUITS WEST	200245	4
WASTE WATER - STRIPPING	REDUCE THE AMOUNT OF F006 GENERATED DURING THE TIN STRIP BATCH TREAT PROCESS.	EVALUATE A MORE EFFICIENT WAY OF TREATING TIN STRIP RATHER THAN THE CURRENT BATCH TREATMENT. EVALUATE A FEED AND BLEED SYSTEM TO ROUTE THE TIN STRIP TO THE ION EXCHANGE SYSTEM BECAUSE THE ION EXCHANGE SYSTEM DOES NOT ADD CHEMISTRY TO TREAT CHEMISTRY.	MICOM CIRCUITS WEST	200245	7

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
WASTE WATER	SUBMIT WASTE WATER DISCHARGE BASELINE MONITORING REPORT TO PIMA COUNTY WASTE MANAGEMENT	REGULATORY COMPLIANCE	MINEREC MINING CHEMICALS	200471	5
WASTE WATER	REDUCE DI WATER TREATMENT CHEMICAL USAGE BY REUSING DI WASTE WATER AND REDUCING DI WATER USAGE IN TOOLS.	BY IDENTIFYING VOLUME OF RINSE WATER ONSITE AND TESTING RINSE WATER TO DETERMINE QUALITY AND QUANTITY THAT CAN BE USED IN OTHER APPLICATIONS SUCH AS SCRUBBERS, COOLING TOWER, OR RECYCLE THROUGH DI.	MOTOROLA - MESA	200255	10
WASTE WATER	REDUCE FLUORIDE DISCHARGE TO MEET PERMIT LEVELS.	INSTALL PIPING COLLECTION SYSTEM TO COLLECT AND TREAT MOST CONCENTRATED STREAMS OF FLUORIDE FROM MANUFACTURING PROCESS.	MOTOROLA - MESA	200255	14
WASTE WATER	REDUCE DI WATER TREATMENT CHEMICAL USAGE BY REUSING DI WASTE WATER AND REDUCING DI WATER USAGE IN TOOLS.	RECLAIM DI WATER FROM CENTRAL CLEANS HOOD AND USE IN SCRUBBER. REDUCE NEED TO USE CHEMICALS TO CLEAN SCRUBBER WHEN FOULING OCCURS.	MOTOROLA - MESA	200255	15
WASTE WATER	REDUCE WASTE WATER. PERFORM A FEASIBILITY STUDY FOR WATER REUSE OF INDUSTRIAL WASTE WATER.	CONDUCT FEASIBILITY STUDY.	MOTOROLA - RESEARCH DIV	200609	4
WASTE WATER	8.05 WASTE WATER REUSE: EVALUATE POTENTIAL TO REDUCE AMOUNT OF WATER USED.	CONDUCT A PILOT PLANT STUDY AND SEARCH FOR WASTEWATER SOURCES THAT COULD BE REUSED. PROPOSE INITIAL USE IN COOLING TOWERS	MOTOROLA - CHANDLER	200254	5
WASTE WATER	REUSE THE WASTE WATER EFFLUENT IN THE COOLING TOWERS.	IDENTIFY AND PILOT TEST NEW TECHNOLOGY FOR THE FINAL TREATMENT OF WASTE WATER EFFLUENT; EVALUATE RESULTS FOR QUALITY	MOTOROLA-TEMPE	200259	17
WASTE WATER	REDUCE CHEMICAL USAGE BY 50% IN THE PCRL INDUSTRIAL WASTE WATER TREATMENT PROCESS.	PROCESS MODIFICATION; SWITCH TO BATCH MODE TREATMENT CHEMICALS WHEN AND TO THE EXTENT NEEDED; INSTALL PIPING, HOLDING TANKS AND OTHER INFRASTRUCTURE TO RECLAIM WASTE WATER FOR USE IN FACILITY COOLING TOWERS.	MOTOROLA-TEMPE	200259	18
WASTE WATER - SLUDGE	REDUCE CHEMICAL USAGE BY 25% IN THE WTS INDUSTRIAL WASTE WATER TREATMENT PROCESS. WASTE WATER INCLUDES NAOH, H2SO4, FECL3 AND SLUDGE.	SEGREGATION OF WASTE WATER FLOWS; EVALUATE AND IMPLEMENT SUBSTITUTE CHEMICALS TO REDUCE USAGE AND INCREASE EFFLUENT QUALITY. RESULTS: IN 1995 WTS CHEMICAL USAGE WAS 67 POUNDS PER WAFER PROCESSED AND IN 2000 THE WTS CHEMICAL USAGE WAS 7.8 POUNDS PER WAFER PROCESSED. PRODUCTION INCREASED 700% YET THE CHEMICALS USED TO TREAT THE WASTE WATER EFFLUENT WERE REDUCED BY 10%.	MOTOROLA-TEMPE	200259	19
WASTE WATER	REDUCE THE QUANTITY OF CITY WATER MAKE-UP BY 10,000 GALLONS PER DAY.	COMPLETE FEASIBILITY STUDY FOR REUSE OF IWW; DESIGN INFRASTRUCTURE; REPLACE CITY WATER MAKE UP WITH IWW REUSE.	MOTOROLA-TEMPE	200259	23
WASTE WATER	REDUCE THE AMOUNT OF WASTE WATER DISCHARGED FROM MEMTEK SYSTEM.	INSTALL ON-LINE MONITORING AND FEEDBACK METHODS FOR MEMTEK SYSTEM; INSTALL PREQUALIFICATION TANKS.	MOTOROLA-TEMPE	200259	7
WASTE WATER	REDUCE THE "BOD" AND "TSS" LOADING TO THE LOCAL POTW ** GOAL DROPPED **	INSTALL AN ON-SITE WASTE WATER TREATMENT SYSTEM FOR THE PROCESS AREA CLEAN-UP WASTEWATER.	NESTLE PURINA PETCARE CO (FKA RALSTON PURINA CO)	200310	2
WASTE WATER	REDUCE WASTE WATER GENERATED IN THE PLATING LINE. NOTE: INCREASED PRODUCTION MAY INCREASE WASTE WATER GENERATED.	REDUCE AMOUNT OF WASTE WATER USED BY EVALUATING A STANDARDIZED WATER PRECIPITATION UNIT TO RECLAIM PLATING WATER.	OBERG - ARIZONA	200270	7
WASTE WATER	REDUCE WASTE WATER GENERATED IN THE PLATING OPERATION.	INSTALL AN ULTRASONIC CLEANER IN PLACE OF THE FIRST CLEANING TANK ON THE PLATING LINE.	OBERG - ARIZONA	200270	9
WASTE	REDUCE AMOUNT OF WOOD BLOCK WASTE	NOTIFY LOCAL SCHOOLS THAT THE MATERIAL IS FREE FOR PICKUP.	PALM HARBOR HOMES-CASA GRANDE	200631	3
WASTE WATER (OIL)	REDUCE THE POTENTIAL FOR SOIL AND GROUND WATER CONTAMINATION. (GOAL 1, PROCESS AREA 7), (GOAL 2, PROCESS AREA # 7).	INSTALL LARGE DIAMETER SETTLING / EVAPORATION TANKS AT TWIN BUTTES LIGHT VEHICLE SHOP FACILITY FOR OIL / WATER SEPARATION. MOVE EXISTING SEPARATOR FROM MINE VEHICLE WASH AREA TO PLANT AREA AND INSTALL HIGH VOLUME SEPARATOR AT MINE WASHING FACILITY.	PHELPS DODGE SIERRITA, INC.	200694	7
WASTE PAINT	ELIMINATE THE USE OF SOLVENT BASED PAINTS USED TO STRIPE ROADS AND TOLUENE USED TO CLEAN THE STRIPING TRUCK.	BUY A WATER BASED PAINT STRIPING TRUCK. PURCHASE LESS TOXIC WATER BASED PAINTS (IE. LEAD FREE); YELLOW PAINT STILL HAS LEAD IN IT; WRITE NEW SPECIFICATIONS FOR PAINT.	PIMA COUNTY MISSION ROAD COMPLEX	200527	1
WASTE DICHLOROMETHANE MIX	ELIMINATE USE OF METHYLENE CHLORIDE USED IN MATERIALS LABORATORY.	SUBSTITUTE WITH LESS TOXIC SUBSTANCE SUCH AS CITRUS BASED MATERIALS; TEST THE ASPHALT DENSITY IN THE FIELD WITH NUCLEAR DENSITY MACHINE.	PIMA COUNTY MISSION ROAD COMPLEX	200527	2
WASTE SOLVENT WIPES	REDUCE ACETONE USAGE AND WIPER GENERATION.	CONDUCT A FEASIBILITY STUDY TO DETERMINE IF PRE-SATURATED WIPERS CAN REPLACE THE CURRENT SURFACE WIPE METHOD.	PING, INC	200208	17
WASTE WATER - SLUDGE	REDUCE WASTE TREATMENT CHEMICAL AND SLUDGE GENERATION VIA AQUEOUS CLEANER AND ZINC-IRON PHOSPHATE SOLUTION RECYCLING.	USE OF ADVANCED MEMBRANE BASED RECYCLING TECHNOLOGIES, I.E. AQUEOUS CLEANER RECYCLING UNIT AND ZINC-IRON PHOSPHATE RECYCLING UNIT.	RAYTHEON COMPANY USAF PLANT 44	200184	47

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
WASTE WATER - SLUDGE	REDUCE THE INDUSTRIAL PROCESS WATER USAGE, WASTE WATER AND SLUDGE GENERATION.	PURCHASE AND INSTALL POINT SOURCE CLOSED LOOP RECYCLING UNITS FOR AQUEOUS PROCESSES.	RAYTHEON COMPANY USAF PLANT 44	200184	50
WASTE MEK	REDUCE THE VOLUME OF MEK WASTE GENERATED FROM THE CLEAN UP PROCESS BY 20%.	INVESTIGATE CROSS CONTAMINATION ISSUES. INSTALL CENTRAL PARTS CLEANING STATION. INVESTIGATE A FILTRATION TECHNIQUE TO ENHANCE THE LIFE OF MEK. TRAIN OPERATORS.	ROGERS CORP. ADV-CIRCUIT MAT'LS DIV	200461	14
WASTE MEK	REDUCTION OF ORGANIC SOLVENTS USE: B. MAINTAIN RESEARCH & DEVELOPMENT FOR WATER BASED ADHESIVES. C. INCREASE % OF OVERALL SALE OF WATER BASED ADHESIVES PRODUCTS BY ONE PERCENT PER YEAR.	B: CONTINUE DEVELOPMENT OF WATER BASED ADHESIVES. C: INCREASE SALE OF WATER BASED ADHESIVE PRODUCTS.	ROGERS CORP. ADV-CIRCUIT MAT'LS DIV	200461	BC
WASTE RESIN	REDUCTION OF ORGANIC SOLVENTS USE: B. MAINTAIN RESEARCH & DEVELOPMENT FOR WATER BASED ADHESIVES. C. INCREASE % OF OVERALL SALE OF WATER BASED ADHESIVES PRODUCTS BY ONE PERCENT PER YEAR.	B: CONTINUE DEVELOPMENT OF WATER BASED ADHESIVES. C: INCREASE SALE OF WATER BASED ADHESIVE PRODUCTS.	ROGERS CORP. ADV-CIRCUIT MAT'LS DIV	200461	BC
WASTE SOLVENT WIPES	REDUCTION OF ORGANIC SOLVENTS USE: B. MAINTAIN RESEARCH & DEVELOPMENT FOR WATER BASED ADHESIVES. C. INCREASE % OF OVERALL SALE OF WATER BASED ADHESIVES PRODUCTS BY ONE PERCENT PER YEAR.	B: CONTINUE DEVELOPMENT OF WATER BASED ADHESIVES. C: INCREASE SALE OF WATER BASED ADHESIVE PRODUCTS.	ROGERS CORP. ADV-CIRCUIT MAT'LS DIV	200461	BC
WASTE MEK	REDUCTION OF ORGANIC SOLVENTS USE: D. OPTIONAL COATING METHODS.	1. INSTALL & TEST SLOT-DIE. 2.DO TEST RUNS. 3. OPTIMIZE PROCESS. 4. DO COMPARISON RUNS. 5. DO CONVERSION FROM PRIMARY SOLVENT BASED ADHESIVES TO SLOT DIE COATINGS. 7. DO TRIAL TEST. 8 DO LINE OPTIMIZATION. 9. DO COMPARISON ROLL COATING VS SLOT COATING. 10.PUT IN OPERATION.	ROGERS CORP. ADV-CIRCUIT MAT'LS DIV	200461	D
WASTE RESIN	REDUCTION OF ORGANIC SOLVENTS USE: D. OPTIONAL COATING METHODS.	1. INSTALL & TEST SLOT-DIE. 2.DO TEST RUNS. 3. OPTIMIZE PROCESS. 4. DO COMPARISON RUNS. 5. DO CONVERSION FROM PRIMARY SOLVENT BASED ADHESIVES TO SLOT DIE COATINGS. 7. DO TRIAL TEST. 8 DO LINE OPTIMIZATION. 9. DO COMPARISON ROLL COATING VS SLOT COATING. 10.PUT IN OPERATION.	ROGERS CORP. ADV-CIRCUIT MAT'LS DIV	200461	D
WASTE SOLVENT WIPES	REDUCTION OF ORGANIC SOLVENTS USE: D. OPTIONAL COATING METHODS.	1. INSTALL & TEST SLOT-DIE. 2.DO TEST RUNS. 3. OPTIMIZE PROCESS. 4. DO COMPARISON RUNS. 5. DO CONVERSION FROM PRIMARY SOLVENT BASED ADHESIVES TO SLOT DIE COATINGS. 7. DO TRIAL TEST. 8 DO LINE OPTIMIZATION. 9. DO COMPARISON ROLL COATING VS SLOT COATING. 10.PUT IN OPERATION.	ROGERS CORP. ADV-CIRCUIT MAT'LS DIV	200461	D
WASTE WATER (BOD & TSS)	REDUCE THE VOLUME OF WASTE WATER, AND THE AMOUNT OF BOD, COD, AND TSS.	USE PRE-CLEANING PRACTICES AND PRODUCT RECOVERY METHODS TO REDUCE WASTE WATER BOD, COD, AND TSS AND THE OVERALL VOLUME OF WASTE WATER.	SCHREIBER FOODS, INC.	200529	19
WASTE WATER	REDUCE WASTE WATER GENERATED DURING TANK CLEANING.	REQUIRE TANK CLEANING CONTRACTORS TO USE LOW VOLUME, HIGH PRESSURE POWER WASHERS AND SQUEEGEES	SFPP, L.P (PHOENIX)	200337	4
WASTE WATER	TREAT WASTE WATER ONSITE TO ENABLE DISPOSAL AT POTW.	INSTALL WASTEWATER TREATMENT UNIT. EVALUATE PORTABLE TREATMENT UNIT AND DISCHARGE OPTIONS.	SHELL OIL PRODUCTS - PHOENIX SALES TERMINAL	200380	2
WASTE WATER (HYDROCARBONS)	INCREASE THE TREATMENT OF HAZARDOUS WASTE WATER.	EVALUATE PORTABLE TREATMENT UNIT OPTIONS FOR HAZARDOUS WASTEWATER TREATMENT	SHELL OIL PRODUCTS - PHOENIX SALES TERMINAL	200380	3
WASTE WATER	TREAT WASTE WATER ONSITE TO ENABLE DISPOSAL AT POTW. ** GOAL DROPPED **	INSTALLATION OF WASTE WATER TREATMENT UNIT NOT COST EFFECTIVE. WILL EVALUATE USE OF A PORTABLE UNIT.	SHELL OIL PRODUCTS - TUCSON SALES TERMINAL	200381	4
WASTE WATER	EVALUATION OF DISCHARGE OPTIONS FOR TREATED WASTE WATER.	DISCHARGE CRITERIA & ANY PERMIT CONDITIONS WOULD HAVE TO BE REASONABLE AND ACHIEVABLE AND COST EFFECTIVE	SHELL OIL PRODUCTS - PHOENIX SALES TERMINAL	200380	4
WASTE WATER (WASH)	REDUCE THE WASTE WATER GENERATED FROM WASHING DOWN THE FACILITY.	MODIFY FACILITY HOUSEKEEPING MAINTENACE PROCEDURES; WASH DOWN ON AN AS NEEDED BASIS ONLY.	SHELL OIL PRODUCTS - TUCSON SALES TERMINAL	200381	5
WASTE WATER (HYDROCARBONS)	INCREASE THE TREATMENT OF HAZARDOUS WASTE WATER.	1) EVALUATE PORTABLE TREATMENT UNIT OPTIONS FOR TREATING HAZARDOUS WASTEWATER, 2) EVALUATE DISCHARGE OPTIONS FOR TREATED WASTEWATER.	SHELL OIL PRODUCTS - TUCSON SALES TERMINAL	200381	6
WASTE WATER	EVALUATION OF DISCHARGE OPTIONS FOR TREATED WASTE WATER.	DISCHARGE CRITERIA AND ANY PERMIT CONDITIONS WOULD HAVE TO BE REASONABLE, ACHIEVABLE AND COST EFFECTIVE.	SHELL OIL PRODUCTS - TUCSON SALES TERMINAL	200381	7
WASTE WATER	CHEMICAL MECHANICAL POLISHING: INSTALL A RECOVERY SYSTEM FOR THE CMP AREA BY THE END OF 1997 TO RECOVER 90% OF WATER USED. 1) EVALUATE TECHNOLOGIES. 2) SECURE CAPITAL MONEY. 3) INSTALL SYSTEM. 4) TRACK WATER USAGE AND RECOVERY.		STMICROELECTRONICS, INC.	200585	8
WASTE WATER	RECYCLE WASTE WATER FROM THE CHEMICAL MILLING AND BLUING OPERATIONS AND REDUCE WASTE ACIDS AND BASES GENERATED.	DEVELOP FEASIBILITY AND SYSTEM REQUIREMENTS FOR RECYCLING OF WASTEWATER GENERATED FROM THE BLUING AREA	STURM RUGER AND COMPANY, INC.	200362	4

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
WASTE WATER (BOD & TSS)	UPGRADE THE WASTE WATER TREATMENT FACILITY IN SEVERAL PHASES TO REDUCE BOD AND TSS TO THE POTW AND INCREASE ORGANIC RECYCLING.	RUN EFFLUENT OVER SCREENS (REDUCE BOD's TO 1800 PPM; TSS TO 1200 PPM - PHASE I), ADD SLUDGE PRESS (PHASE 2), DAF TANK (PHASE 3), TRICKLING FILTER (PHASE 4), CHEMICALLY TREAT WASTEWATER (PHASE 5)	SUN LAND BEEF COMPANY	200367	1
WASTE (PROPELLANT)	PROPELLANT (1) : REDUCE THE AMOUNT OF WASTE PROPELLANT THAT IS CONTAMINATED WITH <5% PROPELLANT.	1. SEGREGATE THE PROPELLANT CLEAN-UP DEBRIS THAT IS CONTAMINATED >5% WITH PROPELLANT FROM THE REACTIVE PROPELLANT WASTE. ACTION #1: PREPARE A MEMO OF INSTRUCTION DECSRIBING PROPER SEGREGATION PROCEDURES. ACTION #2: IDENTIFY AN ALTERNATIVE TREATMENT TECHNOLOGY. ACTION #3: MONITOR PROPELLANT CLEANUP. ACTION #4: EVALUATE NEW PROCEDURE	TALLEY DEFENSE SYSTEMS - PLT 4	200370	17
WASTE (PROPELLANT)	PROPELLANT (2): DESIGN AND BUILD THIRD PHASE OF PROPELLANT RECYCLING FACILITY	IDENTIFY POTENTIAL SOURCES OF FUNDING, GET ADEQ INVOLVED IN PROPOSAL PROCESS,PREPARE COST ESTIMATES AND GRANT PROPOSALS, MONITOR SUBMISSIONS AND EVALUATE FUNDING SUCCESS, CONSTRUCT RECYCLING FACILITY	TALLEY DEFENSE SYSTEMS - PLT 4	200370	18
WASTE (PROPELLANT)	PROPELLANT (3): REDUCE PROPELLANT GENERATED BY 10% OF THE PREVIOUS YEARS VOLUME OVER A THREE YEAR PERIOD	DEVELOP AND PRESENT A P2 TRAINING BROCHURE, POST HIGH PROFILE EMPLOYEE REMINDERS, MONITOR AND EVALUATE WASTE PRODUCTION	TALLEY DEFENSE SYSTEMS - PLT 4	200370	19
WASTE WATER	(#TD3)-REDUCE WATER VOLUME DISCHARGED TO THE CITY SEWER IN NON-HAZARDOUS PROCESS WASTE WATER GENERATION AREAS.	USING A SOLAR POWERED EVAPORATOR, REDUCE VOLUME OF NON-HAZARDOUS WASTE WATERS SENT TO THE SEWER. ACTION A: IDENTIFY WASTE WATERS WHICH ARE OPTIONAL FOR SOLAR EVAPORATION BY 12/2000; ACTION B: IMPLEMENT SOLAR EVAPORATION ON THOSE WASTE WATERS STARTING IN THE SPRING 6/2001.	TALLEY DEFENSE SYSTEMS - PLT 4	200370	35
WASTE WATER	(#TD3)- REDUCE QUANTITY OF WASTE WATER USED/DISCHARGED AND IMPROVE CLEANLINESS OF PARTS IN NON-HAZARDOUS PROCESS WASTE WATER GENERATION AREAS.	INVESTIGATE AND IMPLEMENT THE INSTALLATION OF AUTOMATIC CLEANING SYSTEMS (DISHWASHER TYPE UNITS) TO REPLACE, MANUAL CLEANING OPERATIONS WHICH GENERATE MUCH MORE WASTE WATER. ACTION A: IDENTIFY MANUAL CLEANING OPERATIONS WHICH WOULD BENEFIT FROM AN AUTOMATIC CLEANING SYSTEM BY 12/2000; ACTION B: IDENTIFY MANUFACTURERS OF CLEANING EQUIPMENT AND COST BY 6/2001; ACTION C: TEST CLEANING SYSTEMS WITH SAMPLES BY 12/2001; ACTION D: ORDER AND INSTALL CLEANING SYSTEMS BY 6/2002; ACTION E: MEASURE WASTE WATER REDUCTIONS AND TEST WASTE WATER GENERATED BY 12/2002.	TALLEY DEFENSE SYSTEMS - PLT 4	200370	36
WASTE WATER - OIL	(#TD3)- REDUCE THE AMOUNT OF OIL CONTAMINATED WATER WASTE THAT IS SHIPPED OFF-SITE FOR TREATMENT AND DISPOSAL IN NON-HAZARDOUS PROCESS WASTE WATER GENERATION AREAS.	IDENTIFY, PURCHASE AND INSTALL NECESSARY EQUIPMENT FOR AN OIL/WATER SEPARATOR TO SEPARATE OILS ON-SITE, REDUCE OFF-SITE DISPOSAL, AND RECYCLE OR BIOLOGICALLY TREAT REMAINING OILS. ACTION A: IDENTIFY A SOURCE OR A COST EFFECTIVE OIL WATER SEPARATOR BY 6/2001; ACTION B: PURCHASE NECESSARY EQUIPMENT OR MATERIALS TO CONSTRUCT THE UNIT BY 6/2002; ACTION C: BUILD AND INSTALL THE NECESSARY SECONDARY CONTAINMENT, TANK STAND, EMERGENCY EQUIPMENT FOR SEPARATOR BY 6/2003; ACTION D: INVESTIGATE MEASURES TO BIOLOGICALLY TREAT REMAINING OIL BY 6/2004.	TALLEY DEFENSE SYSTEMS - PLT 4	200370	37
WASTE WATER	ELIMINATE THE NEED FOR MURIATIC ACID AND SODIUM HYPOCHLORITE ON A REGULAR BASIS IN THE WASTE WATER TREATMENT AND ELIMINATE NEED FOR SYSTEM BACKWASH.	PURCHASE A 2-SERIES SOCK TYPE FILTER UNIT.	THE BOEING COMPANY	200238	20
WASTE MACHINE COOLANT	REDUCE THE QUANTITY OF MACHINE COOLANT PRODUCT DISPOSED OF ON AN ANNUAL BASIS	REPLACE THE FORMER COOLANT (CHEM-TOOL) WITH A NEW COOLANT PRODUCT (SARACOOL). THE INITIAL EVALUATION OF SARACOOL INDICATES A POTENTIAL REDUCTION IN THE QUANTITIES OF WASTE COOLANT.	THE BOEING COMPANY	200238	22
WASTE WATER	REDUCE THE AMOUNT OF METAL CONTAMINATION IN THE WATER SOLUTION OF THE QUENCH TANK USED IN HEAT TREATING METAL PARTS.	DESIGN & INSTALL A FILTER UNIT TO REMOVE CONTAMINANTS FROM A QUENCH TANK & REDUCE THE AMOUNT OF WASTE GENERATED FOR DISPOSAL. FILTRATION OF THE QUENCH TANK HAS PROVEN ITSELF IN PROLONGING THE LIFE OF THE SOLUTION WHICH IN TURN HAS REDUCED THE FREQUENCY OF THE TANK DUMPING/CHANGING.	THE BOEING COMPANY	200238	24
WASTE WATER	EFFECTIVELY TREAT AND DISCHARGE 100% OF ALL CORROSIVE WASTE WATER.	DEVELOP PROCEDURE TO TEST FOR TRACE LEVELS OF COPPER AND REMOVE IT WHEN FOUND. MODIFY CITY PERMIT.	TRW VEHICLE SAFETY SYSTEMS,MESA I	200395	3
WASTE MATRIX	REDUCE WASTE MATRIX (STYRENE EMISSIONS) FROM THE POURING PROCESS BY 10%	INCREASE TRAINING FOR BETTER HOUSEKEEPING MEASURE; ENSURE EMPLOYEES START WITH PROPER WEIGHTS; DEVELOP CROSS CHECK SYSTEM TO ENSURE SPILLS AND OVERPOURS ARE CLEANED UP PROPERLY.	TUCSON OUTSTANDING PRODUCTS	200559	2
WASTE	INCREASE MUNICIPAL SOLID WASTE RECYCLING BY 3%.	ENHANCE THE QUALIFIED RECYCLING PROGRAM (QRP) BY ELIMINATING PAPERWORK ASSOCIATED WITH RETURNING PRINTER COLOR TONER CARTRIDGES AND REDUCING DISPOSAL OF PRINTER COLOR TONER CARTRIDGES.	U.S.A.F. - LUKE	200409	43

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
WASTE WATER (PLATING)	REDUCE PROCESS WATER FROM PLATING OPERATIONS FROM ABOUT 2340 GPD TO ALMOST ZERO.	INSTALL AN ION EXCHANGE TREATMENT SYSTEM WITH A RETURN FLOW TO THE PROCESS.	UNITED MUSICAL INSTRUMENTS - NOGALES	200418	1
WASTE WATER (DOMESTIC)	REDUCE WASTE WATER DISCHARGES BY 100% AND REUSE 200,000 GALLONS PER YEAR OF GRAYWATER.	INSTALL A NEW SEPTIC SYSTEM TO INCREASE TREATMENT CAPACITY.	UNITED MUSICAL INSTRUMENTS - NOGALES	200418	2
WASTE WATER	REDUCE WATER USE BY 30%.	INSTALL POLISHERS TO CLARIFY RO PERMEATE FOR REUSE IN PROCESS COOLING TOWERS AND BOILERS.	UNITED DAIRYMEN OF ARIZONA	200416	7
WASTE WATER	REDUCE USE OF WATER USED FOR PLATING RINSES (8.1.3)	EVALUATE CONTROL MEASURES WHICH ARE FEASIBLE THIS INCLUDES TRIPLE COUNTERFLOW STANDARDIZE HOIST DWELL TIME, INSTALL SPRAY RINSES, INSTALL FLOW CONTROL, REUSE DEIONIZED RINSE WATER, REDUCE DRAGOUT	WEISER LOCK COMPANY	200435	6
WASTEWATER (ETCHING SOLN)	ELIMINATE WASTE WATER SHIPMENTS OFF-SITE FOR TREATMENT AND DISPOSAL.	INSTALL AN IN-HOUSE WASTE WATER TREATMENT FACILITY.	DUREL CORPORATION	200518	8
WATER (RINSE)	REDUCE WATER USAGE BY POSITIVE CONTROL OF RINSE WATER FLOW BY MEASURABLE QUANTITY IN PLATING AND SURFACE FINISHING.	EVALUATION AND IMPLEMENTATION OF PROCEDURES. ESTABLISH WATER USE CONTROL BY MANDATORY MANUAL QUALITY MEASUREMENT OR AUTOMATED CONTROL SYSTEM.	ABRAMS AIRBORNE MFG	200003	8
WATER	REDUCE WATER USAGE AND NATURAL GAS CONSUMPTION BY 10-20% IN PASTING AREA	MODIFY CLEANING PROCESS. USE WATER SAVING FAUCETS, BUBBLER SYSTEM, AND EMPLOYEE TRAINING.	ACME ELECTRIC CORP. AEROSPACE DIVISION	200482	4
WATER (COOLING)	REDUCE WATER USAGE FOR THE WELDING EQUIPMENT BY 99% (150,000 GAL)	ADD A CHILLER TO THE COOLING LINE OF THE WELDER AND THEN DISCONNECT THE CITY WATER LINE THAT WAS USED FOR COOLING.	ACME ELECTRIC CORP. AEROSPACE DIVISION	200482	8
WATER (RINSE)	REDUCE THE AMOUNT OF RINSE WATER (SPRINKLER PIPE).	DEVELOP AND IMPLEMENT A FILTRATION SAMPLING SYSTEM THAT WILL SERVE TO INCREASE ITS USEFUL LIFE. NOTE: INCREASED PRODUCTION MAY RESULT IN INCREASED WASTE.	ALLIED TUBE AND CONDUIT	200032	18
WATER (PROCESS)	REDUCE WATER USAGE TO 10,000 GALLONS/DAY WHICH WILL REDUCE CHEMICALS USED FOR TREATMENT.	INSTALL FLOW RESTRICTORS AND TRAIN EMPLOYEES. OPTIMIZE PROCESS TANKS BY REPLACING VERY LARGE WITH SMALLER ONES. PURCHASE A FLOW METER (OPEN CHANNEL) TO ACCOUNT FOR WATER USAGE	ANOCAD PLATING & PAINTING CO, INC.	200037	1
WATER (STORM)	ELIMINATE LEAKS AND OVERFLOW FROM INFLOW OF STORMWATER.	REDESIGN AND UPGRADE SUMPS IN THE RECYCLING SYSTEM. (1) EVALUATE EACH SUMP FOR OVERFLOW POTENTIAL FROM STORMWATER RUNOFF AND TAKE APPROPRIATE ACTION, (2) INSTALL APPROPRIATE COVERS OVER SUMPS THAT ARE OPEN, (3) EVALUATE THE PUMP CAPACITY OF EACH SUMP, AND REPLACE WITH LARGER CAPACITY PUMPS AS NEEDED.	APACHE NITROGEN PRODUCTS, INC.	200038	10
WATER (PROCESS)	REDUCE/ ELIMINATE LEAKS IN PREDRYER SUMP RECYCLE SYSTEM. SEVERAL SUMPS ARE USED FOR COLLECTING AND PUMPING THE PROCESS WATER TO RESPECTIVE RECYCLE SYSTEMS.	REDESIGN AND UPGRADE THE PREDRYER SUMP RECYCLE SYSTEM.	APACHE NITROGEN PRODUCTS, INC.	200038	9
WATER	REDUCE THE AMOUNT OF WATER USED FOR CLEANING FINISHING MACHINES	PROVIDE AN ABOVE GROUND BASIN AND PUMP TO CAPTURE ALL OVERFLOW WATER AND RECIRCULATE	ARIZONA CASTINGS, INC.	200477	4
WATER	REDUCE WATER CONSUMPTION	INSTALL A CATCH BASIN AND PUMP TO CAPTURE SURPLUS COLLING WATER AND USE IT FOR DUST SUPPRESSION	ARIZONA CASTINGS, INC.	200477	6
WATER	REDUCE SLUDGE WASTE CREATED IN THE HOT WATER WASHERS BY 40%. ACTION PLAN (1): INSTALL WATER TREATMENT SYSTEM	INSTALL A WATER TREATMENT SYSTEM TO REDUCE SLUDGE WEIGHT. REUSE WATER/ EVAPORATIVE WATER	AUTOMOTIVE PARTS EXCHANGE	200504	1
WATER	REDUCE THE AMOUNT OF WATER USED IN RINSE TANKS 1) IDENTIFY SOURCES 8/1/1998 2) INSTALL DEVICES 10/1/1998 3) EVALUATE EFFECTIVENESS 1/1/1999.	IDENTIFY AND DETERMINE SOURCES OF FLOW CONTROL RESTRICTION DEVICES FOR THE ANODIZING PROCESS RINSE TANKS	AZ PLATING & ANODIZING CO	200062	10
WATER	REDUCE WATER USED IN ALL PROCESS AREAS 1) STUDY FEASIBILITY 8/1/1999 2) SEND OUT FOR BIDS 11/1/1999 3) INSTALL AND BEGIN USE 4/1/2000.	IMPLEMENT A CONDUCTIVITY CONTROL SYSTEM FOR PROCESS RINSE TANKS	AZ PLATING & ANODIZING CO	200062	14
WATER	REDUCE WATER USE AND REDUCE FLOOR WASHINGS BY INSTALLING OVERFLOW ALARMS; RESEARCH SOURCE OF EQUIPMENT BY 9/01; PURCHASE AND USE ON TRIAL BASIS BY 11/01; INSTALL ON ALL PERTINENT TANKS BY 2/02.	INSTALL OVERFLOW ALARMS ON PROCESS BATHS TO REDUCE FLOOR WASHINGS AND SAVE WATER.	AZ PLATING & ANODIZING CO	200062	19
WATER	REDUCE WATER USE BY SHUTTING OFF FLOW TO RUNNING RINSE TANKS DURING NON-PRODUCTION PERIODS. RESEARCH EFFECT ON FINAL PRODUCT QUALITY BY 2/01; IMPLEMENT GOAL BY 3/01.	SHUT-OFF WATER FLOW TO RUNNING RINSE TANKS DURING NON-PRODUCTION PERIODS.	AZ PLATING & ANODIZING CO	200062	22
WATER	REDUCE WATER CONSUMPTION.	INITIATE WATER RECIRCULATION	BOC GASES	200020	3
WATER (RINSE)	REDUCE THE AMOUNT OF RINSE WATER USED THROUGHOUT THE ANODIZE DEPT.	BY RESEARCHING AND INSTALLING THE BEST AND/OR MOST PRACTICAL WATER RECOVERY SYSTEM(S) IN ORDER TO REUSE RINSE WATER.	CHEM RESEARCH CO	200085	7

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
WATER CONSUMPTION	REDUCE WATER CONSUMPTION	CONNECT COOLING TOWER BLOWDOWN TO ACID FUME SCRUBBER MAKE-UP WATER INLET AND RINSE WATER TANK	CHROMIZING ARIZONA	200095	10
WATER	REDUCE WATER USAGE IN PREMIX CLEANING AREA	REUSE FINAL RINSE WATER AS MAKEUP FOR PRIMARY RINSE	COCA-COLA BOTTLING CO.-TEMPE	200101	15
WATER	REDUCE OVERALL WATER USAGE BY 24% BY 1995	ADD AIR SPARGES, CONDUCTIVITY METERS AND FLOW RESTRICTORS TO CONTROL WATER USAGE	DYNACO ACQUISITION CORP.	200129	1
WATER (RINSE)	REDUCE OVERALL SLUDGE VOLUME BY REDUCING THE USE OF RINSE WATER BY UP TO 75%, THUS CONCENTRATING THE COPPER CONTENT BY VOLUME, THUS MAKING IT EASIER TO PRECIPITATE THE COPPER OUT.	IMPLEMENT FLOW RESTRICTION VALVES	DYNACO ACQUISITION CORP.	200129	10
WATER (RINSE)	REDUCE WATER USE AND AMOUNT OF WATER NEEDED TO BE TREATED	REDUCE NOZZLE SIZE IN RINSE WATER TANKS	DYNACO ACQUISITION CORP.	200129	11
WATER (RINSE)	REDUCE AMOUNT OF CLEAN WATER ADDED TO TREATMENT SYSTEM	INPUT LESS WATER INTO TREATMENT SYSTEM WHICH WILL CONCENTRATE COPPER CONTENT MAKING IT EASIER TO PRECIPITATE OUT COPPER AND REDUCE THE TREATMENT NEEDED FOR REDUCING THE SLUDGE VOLUME.	DYNACO ACQUISITION CORP.	200129	12
WATER	INCREASE ELECTROLESS BATH LIFE AND	CREATE A STANDARD SPECIFIC GRAVITY PROGRAM FOR DUMP SCHEDULES AND ANALYSIS PROCEDURAL CHANGES	DYNACO ACQUISITION CORP.	200129	6
WATER	REUSE WATER BY IRRIGATING WITH "CLEAN INDUSTRIAL WASTE WATER" FROM PAINT STRIP PROCESS.	MODIFY THE CURRENT APP TO ALLOW IRRIGATION WITH WASTE WATER. CHANGING TO A FORMIC ACID AND MINERAL OIL STRIPPER WILL ALLOW THIS MODIFICATION.	EVERGREEN AIR CENTER. INC	200138	11
WATER	REDUCE THE AMOUNT OF WATER DISCHARGED AND THE AMOUNT OF MAKE-UP WATER NEEDED.	INSTALL WATER RECLAMATION EQUIPMENT TO REUSE WASTE WATER FROM CAR WASH OPERATION; EXAMINE THE FEASIBILITY OF A FUTURE WASTE WATER PRETREATMENT FACILITY TO RECYCLE MORE WASTE WATER.	GM DESERT PROVING GROUNDS	200154	8
WATER	REDUCE THE AMOUNT OF WATER RELEASED TO THE POTW	RECYCLE ALL TREATED WATER FROM THE PRETREATMENT SYSTEM THROUGH A REVERSE OSMOSIS (R/O) UNIT. THIS WOULD REDUCE THE TOTAL DISOLVED SOLIDS LEVEL AND ALLOW THE WATER TO BE USED IN OTHER PLANT OPERATIONS.	HILL BROTHERS CHEMICAL CO.-PHX.	200176	5
WATER	REDUCE THE WATER CONSUMED IN THE AIR WASHER (EVAPORATIVE COOLER) 1) PREPARE/ DESIGN A CENTRAL TREATMENT STATION 2) REVIEW CENTRAL TREATMENT STATION 3)FUND PROJECT 4) INSTALL A CENTRAL TREATMENT STATION 5) IMPLEMENTATION.	INSTALL A CENTRAL TREATMENT STATION	HONEYWELL ENGINES (FORMERLY ALLIEDSIGNAL ENGINES)	200144	13
WATER	(GOAL FOR 200145) REDUCE WATER CONSUMPTION IN COOLING TOWER 1) PREPARE/ DESIGN A PH CONTROL SYSTEM 2) FUND A BUDGET 3) INSTALL A PH CONTROL SYSTEM 4) IMPLEMENTATION 5) REVIEW EFFECTIVENESS OF PLAN.	INSTALL A PH CONTROL SYSTEM TO REDUCE THE SCALES	HONEYWELL ENGINES (FORMERLY ALLIEDSIGNAL ENGINES)	200144	14
WATER	REDUCE WATER USAGE BY 15% AND ALSO CHEMICALS USED FOR TREATING EFFLUENT FROM WET SCRUBBERS.	REDUCE MAKEUP WATER FLOWRATES TO THE MINIMUM LEVEL REQUIRED TO MAINTAIN WATER QUALITY AND EFFLUENT DISCHARGE REQUIREMENTS.	HONEYWELL ENGINES AND SYSTEMS	200149	27
WATER TREATMENT CHEMICALS	RECYCLE OF PLATING RINSE WATER TO REDUCE THE AMOUNT OF WATER TREATMENT CHEMICALS DUE TO SMALLER CONCENTRATED WASTE STREAM.	INSTALL A RECYCLE LOOP TO CLEAN AND REUSE THE PLATING PROCESS RINSE WATER.	INTEL CORP.- CHANDLER CAMPUS	200191	15
WATER (PROCESS)	REDUCE WATER USAGE BY 10% IN PLANT OPERATIONS.	RECYCLING: CAPTURE THE PROCESS WATER AND PUMP IT TO A HOLDING TANK. THE WATER WILL THEN BE PUT THROUGH A HIGH EFFICIENCY OIL WATER SEPARATOR. THE CLEAN WATER WILL BE REINTRODUCED INTO THE PROCESS WASTE STREAM.	ISOLA LAMINATE SYSTEMS	200268	9
WATER (PROCESS)	REDUCING WATER CONSUMPTION BY 800,000 GALLONS	REPIPE RO WATER TO THE ACID SCRUBBER THEREBY LOWERING WATER CONDUCTIVITY WHICH REQUIRES LESS MAKEUP WATER FOR ACID SCRUBBERS; USE VACUUM PUMPS.	MEDTRONIC, TEMPE	200240	8
WATER (STORM)	FILE STORM WATER PERMIT NOTICE OF INTENT WITH EPA	REGULATORY COMPLIANCE - GENERAL PERMIT # AZR00A22F	MINEREC MINING CHEMICALS	200471	2
WATER (STORM)	POST STORM WATER POLLUTION PREVENTION PLAN TO MINEREC FILES	REGULATORY COMPLIANCE	MINEREC MINING CHEMICALS	200471	3
WATER (STORM)	POST FIRST HALF 1993 DISCHARGE MONITORING REPORT TO STORM WATER FILE	REGULATORY COMPLIANCE	MINEREC MINING CHEMICALS	200471	4
WATER (PROCESS)	REDUCE CIRCUIT BOARD RESTARTS BY 5% PER YEAR. REDUCE RESTARTS FROM THE CURRENT 20% TO 15% BY 12/2001 AND TO 10% BY 12/2002. RESTARTS ARE PRODUCTS THAT FAIL TO PASS THE PRODUCT SPECS. REDUCING RESTARTS REDUCES ENERGY, WATER, CHEMICALS, WASTES AND BY PRODUCTS.	DEFINE THE INPUTS AND OUTPUTS OF RE-STARTING A BOARD AND IMPROVE THE EFFECTIVENESS OF THE PRODUCTION PROCESSES THROUGH MANAGEMENT SYSTEMS, PROCESS CONTROLS, ETC.	MOSAIC PRINTED CIRCUITS, LLC. (QUALITY PRINTED CIRCUITS)	200513	10

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
WATER (PROCESS)	REDUCE QUANTITY USED TO MANUFACTURE ONE CIRCUIT PANEL BY 33% (FROM 300 GAL/PANEL TO 200 GALLONS/PANEL).	USE 1/3 LESS WATER PER PANEL MANUFACTURED.	MOSAIC PRINTED CIRCUITS, LLC. (QUALITY PRINTED CIRCUITS)	200513	11
WATER (CONDENSATE)	8.0.11 REUSE AIR HANDLER CONDENSATE IN COOLING TOWERS (230,000 GPYEAR)	MODIFIED DRAINAGE PIPING TO COLLECT ALL CONDENSATE AT A SINGLE SUMP AND ADD PUMP TO DELIVER WATER TO COOLING TOWERS	MOTOROLA - CHANDLER	200254	11
WATER (FILTER BACKFLUSH)	8.0.12 REDUCE USE OF CITY WATER FOR LANDSCAPE IRRIGATION	REUSE FILTER BACKWASH WATER FOR IRRIGATION: TEST WATER QUALITY, APPLY FOR AQUIFER PROTECTION PERMIT, INSTALL PUMP, PIPE & TANK.	MOTOROLA - CHANDLER	200254	12
WATER (PROCESS)	8.0.13 PLATING METALS REMOVAL SYSTEM MODIFICATION: REDUCE WATER USE	IMPLEMENT DESIGN CHANGES AND SAVED 1,158,000 GALLONS OF WATER PER YEAR	MOTOROLA - CHANDLER	200254	13
WATER (RINSE)	8.07 CHEMICAL REDUCTION AND WASTE WATER: 1) FAB PROCESSS - FIND A SUBSTITUTE FOR METHANOL, 2) CLEANS PROCESS - REDUCE WATER CONSUMPTION	1) SUBSTITUTION OF IPA FOR METHANOL WAS SUCCESSFUL, 2) REDUCE BATH FLOW RATES WITH NON-ADJUSTIBLE VALVE, REDUCE PREFLOW TIMES AND ADD OZONATED WATER TO PREVENT BACTERIA, INCREASE BATH DESIGN, RINSE FLOW RATE, TEMP, ETC.	MOTOROLA - CHANDLER	200254	7B
WATER (RINSE)	8.08 SECONDARY RINSE FROM DI PLANT TO SCRUBBERS & OTHER ABATEMENT EQUIPMENT - REDUCE USE OF SECONDARY RINSE PROCESS WATER (90 GPM)	SCOPE AND DESIGN A SYSTEM TO COLLECT THE SECONDARY RINSE FROM THE DI RECLAIM SYSTEM FOR REUSE IN OTHER AREAS OF THE PLANT	MOTOROLA - CHANDLER	200254	8
WATER (RINSE)	8.09 SECONDARY RINSE FROM VACUUM PUMPS TO COOLING TOWERS - REDUCE THE USE OF SECONDARY RINSE WATER (30 GPM)	DESIGN A COLLECTION AND REUSE SYSTEM	MOTOROLA - CHANDLER	200254	9
WATER	WASTEWATER PRETREATMENT PLANT (9.3):DECREASE USE OF CITY WATER BY 40 GALLONS PER MINUTE	REUSE OF TREATED WATER AND RECOVERY AND RECYCLING OF REVERSE OSMOSIS REJECT WATER. INVESTIGATE ULTRA PURE WATER PROCESS MODIFICATIONS AND PIPING CHANGES TO FACILITATE REUSE OF RELATIVELY CLEAN PROCESS WASTE WATER FOR USE IN OTHER PROCESSES THAT DO NOT REQUIRE ULTRAPURE WATER (EG. SCRUBBERS, COOLING TOWERS, RO MAKE-UP	MOTOROLA-TEMPE	200259	28
WATER	REUSE EFFLUENT AS INFLUENT WATER IN THE WAVE SOLDER PROCESS.	USE A CLOSED-LOOP SYSTEM TO RECYCLE WATER.	MOTOROLA-TEMPE	200259	5
WATER	INCREASE THE EFFICIENCY OF THE RO SYSTEM TO ALLOW RO CAPACITY TO BE USED FOR WATER REUSE PROJECTS	ADD A 5,000 INPUT FEED TANK TO STORE WATER FOR THE RO FEED PUMPS; INCREASE PRESSURE TO INCREASE SYSTEM CAPACITY	NELCO TECHNOLOGY, INC.	200265	14
WATER	REDUCE WATER USAGE AT THE CAUL PLATE CLEANER	INSTALL A REVERSE OSMOSIS UNIT (DROPPED DUE TO HIGH CORROSION RISKS); INSTALL A SOFT WATER CONDITIONER	NELTEC, INC.	200491	1
WATER	REDUCE THE AMOUNT OF WATER USED TO CLEAN CAUL PLATES INSIDE THE SCRUBBER IN THE PRODUCTION AREA. TESTING OF THIS SYSTEM IS CURRENTLY BEING DONE.	CHANGE FROM A WATER SOFTENER SYSTEM TO A DEIONIZATION SYSTEM.	NELTEC, INC.	200491	17
WATER	REDUCE WATER USAGE OF THE EVAPORATIVE COOLING UNITS	INCREASE THE INSPECTIONS TO WEEKLY AND IMPLEMENT TOTAL DISSOLVED SOLIDS RATIO MONITORING TO PREVENT SALT BUILDUP	NELTEC, INC.	200491	2
WATER	ROOM HUMIDIFIERS: REDUCE WATER USAGE AND ELECTRICAL POWER CONSUMPTION	USE AUTOMATIC SHUT DOWN OF INDIVIDUAL ROOM HUMIDIFIERS WHEN NOT IN USE; INSTALL SIMPLE RELAY LOGIC TIED TO ROOM LIGHTING	NELTEC, INC.	200491	3
WATER, STEAM, MEAL	REDUCE MATERIAL AND ENERGY USAGE IN EXTRUSION COOKERS.	INSTALL MOISTURE SENSORS TO ACHIEVE OPTIMUM MOISTURE OF THE PRODUCT BEFORE DRYING TO ELIMINATE OPERATOR ERROR.	NESTLE PURINA PETCARE CO (FKA RALSTON PURINA CO)	200310	8
WATER	REDUCE THE AMOUNT OF BACKWASH GOING INTO WASTE STREAM	INSTALL AND OPERATE A RECLAIM SYSTEM WHERE THE BACKWASH WILL BE STORED IN AN ABOVE GROUND CLEARWELL UNTIL IT CAN BE INTRODUCED INTO THE LIME TREATMENT SYSTEM	PEPSI BOTTLING GROUP	200499	4
WATER	REDUCE WATER USAGE BY RECYCLING THE REVERSE OSMOSIS WASTE WATER.	INSTALL AND OPERATE A RECLAIM SYSTEM THAT WILL UTILIZE THE CONCENTRATE WATER FROM THE REVERSE OSMOSIS UNIT THAT CURRENTLY GOES TO THE WASTE STREAM AND USE IT IN THE CONDENSING TOWERS.	PEPSI BOTTLING GROUP	200499	6
WATER (PROCESS)	REDUCE PROCESS WASTE WATER DISCHARGED TO THE CITY OF PHOENIX BY 10%.		PROCTER & GAMBLE MFG	200302	9
WATER CONSUMPTION	REDUCE THE INDUSTRIAL PROCESS WATER USAGE, WASTE WATER AND SLUDGE GENERATION.	PURCHASE AND INSTALL POINT SOURCE CLOSED LOOP RECYCLING UNITS FOR AQUEOUS PROCESSES.	RAYTHEON COMPANY USAF PLANT 44	200184	50
WATER	OPTIMIZE LINES FOR WATER CONSERVATION (SURFACE PREP C & G)	BY DETERMINING MINIMUM WATER FLOW THAT WILL MEET QUALITY REQUIREMENTS.	SANMINA - SCI	200669	1
WATER	REDUCE WATER CONSUMPTION ON BLACK OXIDE LINES	BY OPTIMIZING RINSE FLOWS AND CONTINUING TO MEET QUALITY SPECIFICATIONS.	SANMINA - SCI	200669	10
WATER	REDUCE WATER CONSUMPTION ON ELECTROLESS COPPER LINE.	BY OPTIMIZING FLOWS WHILE STILL MEETING QUALITY SPECIFICATIONS.	SANMINA - SCI	200669	14
WATER	REDUCE WATER CONSUMPTION ON PAL LINES.	BY OPTIMIZING WATER USAGE WHILE STILL MEETING QUALITY SPECIFICATIONS.	SANMINA - SCI	200669	18

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
WATER	DETERMINE THE FEASIBILITY OF CLOSED LOOP RINSES ON SURFACE PREP LINE BUILDING C	BY DETERMINING MINIMUM WATER FLOWS THAT WILL MEET QUALITY REQUIREMENTS.	SANMINA - SCI	200669	2
WATER	REDUCE WATER CONSUMPTION ON SOLDER LEVEL LINE.	BY OPTIMIZING WATER FLOWS WHILE STILL MEETING QUALITY REQUIREMENTS.	SANMINA - SCI	200669	22
WATER	REDUCE WATER CONSUMPTION ON SOLDERMASK LINE.	BY OPTIMIZING WATER FLOWS WHILE MEETING QUALITY REQUIREMENTS.	SANMINA - SCI	200669	26
WATER	REDUCE WATER CONSUMPTION IN SOLDERMASK DEVELOPER LINE.	BY OPTIMIZING WATER FLOWS WHILE CONTINUING TO MEET QUALITY SPECIFICATIONS.	SANMINA - SCI	200669	30
WATER	REDUCE AMOUNT OF CITY WATER USED IN WET SCRUBBERS IN BUILDING B.	BY REUSING CONDENSATE WATER IN THE WET SCRUBBERS.	SANMINA - SCI	200669	39
WATER	REDUCE WATER CONSUMPTION ON PAL 1 LINE.	BY OPTIMIZING WATER FLOWS WHILE CONTINUING TO MEET QUALITY SPECIFICATIONS.	SANMINA - SCI	200669	42
WATER	REDUCE WATER CONSUMPTION ON PAL 2 AND 3 LINES.	BY OPTIMIZING WATER FLOWS WHILE CONTINUING TO MEET QUALITY SPECIFICATIONS.	SANMINA - SCI	200669	45
WATER	OPTIMIZE WATER FLOWRATES ON THE ALKALINE ETCHER.	BY DETERMINING MINIMUM WATER FLOWS THAT WILL MEET QUALITY REQUIREMENTS.	SANMINA - SCI	200669	48
WATER	OPTIMIZE WATER FLOWRATES ON THE IMMERSION NICKEL GOLD PROCESS.	BY DETERMINING MINIMUM WATER FLOWS THAT WILL MEET QUALITY REQUIREMENTS.	SANMINA - SCI	200669	52
WATER	OPTIMIZE WATER FLOWRATES ON THE DEEP GOLD LINE.	DETERMINE THE MINIMUM WATER FLOWRATE THAT WILL MEET QUALITY REQUIREMENTS.	SANMINA - SCI	200669	57
WATER	REDUCE WATER CONSUMPTION ON DES LINES BUILDINGS C AND G.	BY OPTIMIZING WATER FLOWS WHILE STILL MEETING QUALITY SPECIFICATIONS.	SANMINA - SCI	200669	6
WATER	OPTIMIZE WATER FLOWRATES TO REDUCE WATER CONSUMPTION ON THE MP-80 LINE.	DETERMINE THE MINIMUM WATER FLOWRATES THAT WILL MEET QUALITY REQUIREMENTS.	SANMINA - SCI	200669	61
WATER	OPTIMIZE WATER FLOWS TO REDUCE WATER CONSUMPTION ON THE DEVELOPER ROOM BLDG A.	DETERMINE THE MINIMUM WATER FLOWRATE THAT WILL MEET QUALITY REQUIREMENTS.	SANMINA - SCI	200669	64
WATER	INCREASE WATER RECYCLE BY 40% BY TRANSFERRING WASTE STREAMS TO BLDG G.	TRANSFER WASTE STREAMS IN BLDG A TO BLDG G FOR RECYCLE INSTEAD OF DISCHARGE.	SANMINA - SCI	200669	67
WATER	REUSE CONDENSATE WATER IN WET SCRUBBERS IN BLDG A.	BY REUSING CONDENSATE WATER IN THE WET SCRUBBERS.	SANMINA - SCI	200669	68
WATER	REUSE CONDENSATE WATER IN WET SCRUBBERS IN WASTE TREATMENT BLDG C.	BY REUSING CONDENSATE WATER IN THE WET SCRUBBERS.	SANMINA - SCI	200669	70
WATER	REUSE WATER RECYCLING SYSTEM RINSEDOWN TO MAKE DI WATER IN BLDG G.	BY RECYCLING DI RINSEDOWN WATER.	SANMINA - SCI	200669	71
WATER	REUSE CONDENSATE WATER IN WASTE TREATMENT BLDG. G.	REUSE CONDENSATE WATER IN WASTE TREATMENT BLDG G.	SANMINA - SCI	200669	73
WATER	DETERMINE THE FEASIBILITY OF A CLOSED LOOP RINSE SYSTEM TO REDUCE WATER CONSUMPTION IN THE ENTER LINE.	BY DETERMINING MINIMUM WATER FLOWS THAT WILL MEET QUALITY REQUIREMENTS.	SANMINA - SCI	200669	74
WATER	REDUCE WATER CONSUMPTION PLANT WIDE BY 30%.	REDUCE WATER CONSUMPTION ON THE PROCESS LINES BY INSTALLING FLOW RESTRICTORS, TURNING OFF THE PROCESS LINES WHEN PRODUCT IS NOT IN-PROCESS, ETC.	SANMINA - SCI	200669	79
WATER	REDUCE WATER CONSUMPTION PLANT WIDE BY 30%.	REDUCE WATER CONSUMPTION BY USING REVERSE OSMOSIS REJECT WATER IN THE AIR HANDLING EQUIPMENT ON THE ROOF.	SANMINA - SCI	200669	80
WATER IN PRODUCT	ELIMINATION OF WATER FROM NON-HAZARDOUS, NON-CONTROLLED PRODUCT TAILINGS.	USE A "WATER EATER: WHICH CONVERTS WATER IN PRODUCT TO STEAM, SEPERATES AND ELIMINATES IT FROM SOLIDS. SOLIDS ARE SENT TO A TSD.	SCHEIN PHARMACEUTICAL INC.	200360	4
WATER	REDUCE THE AMOUNT OF CHEESE WASTE GOING INTO THE DRAIN	EMPLOYEE AWARENESS AND TRAINING, VENDOR AVAILABLE TO RECYCLE WASTE. INVESTIGATE FEASIBILITY OF REMOVING WASTE PRODUCT OFF SITE AND USE AS ANIMAL FEED	SCHREIBER FOODS, INC.	200529	10
WATER	REDUCE CITY WATER AND CHEMICAL CONSUMPTION USED IN EVAPORATIVE COOLING TOWERS.	REPLACE CITY WATER WITH RO WATER RETAINED FROM THE PROCESS.	SCHREIBER FOODS, INC.	200529	15
WATER	REDUCE WATER USAGE IN SOUTH AREA DURING CIP	INSTALL MEASURING DEVICES AND SCADA PROGRAMMING IN SOUTH AREA	SCHREIBER FOODS, INC.	200529	4
WATER	REDUCE WATER USAGE IN NORTH AREA DURING CIP	INSTALL MEASURING DEVICES AND SCADA PROGRAMMING IN NORTH AREA	SCHREIBER FOODS, INC.	200529	5
WATER	REDUCE THE AMOUNT OF WATER PUT TO THE DRAIN FROM THE HOSE STATION	REPLACE EXISTING HOSE STATION WITH MORE EFFECIENT ONE.	SCHREIBER FOODS, INC.	200529	7
WATER (COOLING TOWER)	REDUCE WATER AND CHEMICAL USE FROM COOLING TOWERS.	INCREASE CYCLES STEPWISE ON COOLING TOWERS WHILE MONITORING COOLING EFFECTIVENESS,	SCI,L.L.C (ON SEMICONDUCTOR)	200726	16
WATER (COOLING TOWER)	REDUCE THE USE OF COOLING TOWER TREATMENT CHEMICALS, WATER AND ENERGY.	DETERMINE WHAT CHANGES WOULD NEEDED TO COMBINE CHILLER LOAD ON P CENTRAL PLANT AND D CENTRAL PLANT CHILLERS/ COOLING TOWERS. SINCE IT WAS DETERMINED TO BE COST EFFECTIVE, IMPLEMENT NECESSARY PHYSICAL AND PROCEDURAL CHANGES.	SCI,L.L.C (ON SEMICONDUCTOR)	200726	17

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
WATER TREATMENT CHEMICALS	REDUCE CHEMICAL USE IN SOUTH WATER PRODUCTION PLANT.	INSTALL PIPELINE FROM NORTH SITE DI WATER PRODUCTION PLANT TO THE SOUTH PORTION OF THE SITE AND SHUT DOWN PART OF THE SOUTH DI WATER PLANT.	SCI,L.L.C (ON SEMICONDUCTOR)	200726	18
WATER (RINSE)	REDUCE RAW WATER REQUIREMENTS BY REUSING DEIONIZED RINSE WATER AS FEED WATER TO SITE COOLING TOWERS AND SCRUBBERS (F-2000-2 COM-1).	REUSE DI RINSE WATER AS FEED WATER TO COOLING TOWER AND SCRUBBER 1) INSTALL PIPING TO CONNECT TO EXISTING REUSE SYSTEMS 2) MONITOR WATER QUALITY 3) DISCONNECT ANY PIECES OF EQUIPMENT THAT ARE DISTURBING QUALITY 4) ACTIVATE SYSTEM.	SCI,L.L.C (ON SEMICONDUCTOR)	200726	8
WATER (RAIN)	PREVENT RAIN WATER FROM ENTERING THE WASTE WATER CONTAINMENT TANK IN THE LOAD RACK AREA.	CONSTRUCT EXTENSION OF LOAD RACK CANOPY TO COMPLETELY COVER THE LOAD RACK CONTAINMENT AREA.	SHELL OIL PRODUCTS - TUCSON SALES TERMINAL	200381	1
WATER (RAIN)	PREVENT RAINWATER FROM ENTERING WASTE WATER CONTAINMENT TANK IN THE RETURN-TO-STOCK AND PUMP PAD AREAS.	CONSTRUCT CANOPIES OVER THESE AREAS TO DIVERT RAINWATER.	SHELL OIL PRODUCTS - PHOENIX SALES TERMINAL	200380	1
WATER (RAIN)	PREVENT RAIN WATER FROM ENTERING THE WASTE WATER CONTAINMENT TANK IN THE RETURN-TO-STOCK AREA.	CONSTRUCT CANOPIES OVER THE AREA TO PREVENT RAIN WATER CONTAMINATION.	SHELL OIL PRODUCTS - TUCSON SALES TERMINAL	200381	3
WATER	REDUCE THE AMOUNT OF WATER USED AS PROCESS RINSE WATER.	EVALUATE THE USE OF COUNTER FLOW RINSES; EVALUATE A RO SYSTEM; INSTALL FLOW REGULATORS; SEGREGATE RINSE STREAMS THAT DON'T NEED METAL PRECIPITATION.	SOUTHWEST CIRCUITS INC.	200343	18
WATER	THIN FILMS, CHEMICAL VAPOR DEPOSITION: REDUCE WATER USAGE IN POINT OF USE ABATEMENT EQUIPMENT BY 50%.	OPTIMIZATION OF ABATEMENT EQUIPMENT SELECTED FOR PROCESS TOOLS.	STMICROELECTRONICS, INC.	200585	13
WATER (COOLING TOWER)	PROCESS WATER-COOLING TOWER BLOWDOWN (1): RECYCLE COOLING TOWER WATER	IDENTIFY RECYCLING SYSTEMS AND THEIR COST; DETERMINE PAYBACK TIME, WATER SAVINGS AND BUDGET CONSTRAINTS; PREPARE PROPOSAL TO MANAGEMENT WITH RECOMENDATION; PURCHASE AND INSTALL SYSTEM	TALLEY DEFENSE SYSTEMS - PLT 4	200370	26
WATER (COOLING TOWER)	PROCESS WATER-COOLING TOWRER BLOWDOWN (2): REUSE COOLING TOWER WATER AT THE WATER BORE OUT FACILITY	DETERMINE: WATER USAGE AND PRESSURE REQUIREMENT AT WATER BORE OUT FACILITY, EQUIPMENT COST AND SPACE REQUIREMENTS, ECONOMIC FEASIBILITY, IMPLEMENT IF FEASIBLE	TALLEY DEFENSE SYSTEMS - PLT 4	200370	27
WATER (COOLING)	(#TD3)- REDUCE WASTE WATER BLEED OFF FROM THE LASER WELDER COOLING SYSTEM AND REDUCE WATER USAGE IN NON-HAZARDOUS PROCESS WASTE WATER GENERATION AREAS.	CONVERT COOLING WATER SYSTEM TO A RECIRCULATING GLYCOL SYSTEM WHICH WILL ELIMINATE WASTE WATER BLEED OFF AND REDUCE WATER USAGE. ACTION A: IDENTIFY AVAILABLE SYSTEMS BY 1/2001. ACTION B: NEGOTIATE PURCHASE OF SYSTEM BY 6/2001. ACTION C: ORDER AND INSTALL SYSTEM BY 1/2002. ACTION D: TEST SYSTEM PERFORMANCE BY 6/2002.	TALLEY DEFENSE SYSTEMS - PLT 4	200370	32
WATER (PROCESS)	(#TD3)- REDUCE WATER USE FOR WBO PAD WASH WATER IN NON-HAZARDOUS PROCESS WASTE WATER GENERATION AREAS.	REUSE WBO PAD WASH WATER AS MAKEUP WATER IN THE WBO SYSTEM: ACTION A: IDENTIFY AVAILABLE SYSTEMS BY 1/2001; ACTION B: NEGOTIATE PURCHASE OF SYSTEM BY 6/220; ACTION C: ORDER AND INSTALL SYSTEM BY 1/2002; ACTION D TEST PERFORMANCE BY 6/2002.	TALLEY DEFENSE SYSTEMS - PLT 4	200370	33
WATER (COOLING TOWER)	(#TD3)- REDUCE WATER USE FOR LANDSCAPE WATERING IN NON-HAZARDOUS PROCESS WASTE WATER GENERATION AREAS.	INVESTIGATE AND IMPLEMENT REUSE OF NON-CONTACT COOLING TOWER WATER FOR LANDSCAPE WATERING. ACTION A: IDENTIFY REGULATORY REQUIREMENTS & POSSIBLE AREAS OF REUSE BY 12/2000; ACTION B: APPLY FOR NECESSARY PERMITS (IF REQUIRED) BY 6/2001; ACTION C: ORDER EQUIPMENT & WRITE PROCEDURES (IF NECESSARY) TO IMPLEMENT PROJECT BY 12/2001; ACTION D INSTALL EQUIPMENT & BEGIN IMPLEMENTATION BY 12/2002.	TALLEY DEFENSE SYSTEMS - PLT 4	200370	34
WATER (PROCESS)	(#TD3)- RECYCLE WASTE WATER FROM PERCHLORATE PROCESSING IN NON-HAZARDOUS PROCESS WASTE WATER GENERATION AREAS.	USE THE PERCHLORATE CLEANUP WATER AS FEEDSTOCK IN THE WBO SYSTEM SO BOTH WATER AND PERCHLORATE WILL BE RECYCLED. ACTION A: ESTABLISH CLEAN-UP WATER SEGREGATION CHART TO SEPARATE PERCHLORATE WASH WATER FROM OTHER WASH WATERS AT THE GRIND BUILDING BY 12/2000; ACTION B: TEST PERCHLORATE WASH WATERS FOR UNDESIRABLE CONTAMINATES BY 6/2001; ACTION C: IF TESTS ARE FAVORABLE, ADD PERCHLORATE WASH WATERS TO WBO SYSTEM FOR REUSE BY 12/2001.	TALLEY DEFENSE SYSTEMS - PLT 4	200370	38
WATER (STORM)	REDUCE THE POTENTIAL RELEASE OF POLLUTANTS TO THE ENVIRONMENT THROUGH CONTAMINATED STORM WATER.	APPOINT THE WAREHOUSE MANAGER AT EACH FACILITY TO EXAMINE THE FACILITY FOR ANY POLLUTION PREVENTION POTENTIAL, DOCUMENT THE EXAMINATION, AND MAKE CORRECTIONS. THIS WILL BE DONE ON A REGULAR BASIS ALONG WITH THE CURRENT DAILY INSPECTION OF THE WHOLE FACILITY	UNION DISTRIBUTING CO. INC.--PHOENIX	200711	2
WATER (PROCESS)	IMPLEMENT WATER BALANCE SO IN FUTURE YEARS PLANT MATERIAL BALANCE CAN BE DETERMINED FROM PRODUCT AND FEED STOCK WEIGHTS.	OBTAIN PROCESS WATER FLOW METER READING AT 0000 ON 01/01/93 **INACTIVE***	UNITED METRO MATERIALS - PLANT 1	200417	1
WATER	RECYCLE PROCESS WATER AND REDUCE USAGE OF CITY WATER	INCREASE CONDENSATE STORAGE (FROM MILK PROCESSING) AND IMPROVE COLLECTION AND DISTRIBUTION SYSTEM.	UNITED DAIRYMEN OF ARIZONA	200416	5

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
WATER	REDUCE WATER USAGE AND THE RESULTING PROCESS WASTE WATER BY 100% AND WATER FOR SANITARY USES BY APPROX. 200,000.	DEVELOP AND IMPLEMENT SYSTEM TO RECYCLE GRAY WATER **GOAL DROPPED**	UNITED MUSICAL INSTRUMENTS - NOGALES	200418	8
WATER	PHOTOGRAPHIC SERVICES: REDUCE PURCHASES OF DEVELOPER BY 50%; REDUCE WATER CONSUMPTION 60%; REDUCE PURCHASE OF NEW PHOTOGRAPHIC FIXER BY 80%.	CONDUCT FEASIBILITY STUDY TO RECYCLE DEVELOPER; INSTALL WATER PURIFICATION SYSTEM TO RECYCLE WATER; RECYCLE FIXER OFFSITE.	UNIVERSITY MEDICAL CENTER	200422	4
WATER	REDUCE/ELIMINATE THE VOLUME OF WASTE DISPOSED OF OFFSITE IN LANDFILLS BY REUSING WASH WATER IN MANUFACTURING OF CONCRETE ADMIXTURES. 1) EVALUATE EXPANSION POSSIBILITIES OF PHOENIX FACILITY FOR MANUFACTURE OF ADMIXTURES BY 12/99. 2) COMPLETE CONSTRUCTION OF MANUFACTURING FACILITY BY 12/2000. INCORPORATE WASH WATER BACK INTO CONCRETE ADMIXTURE PROCESS BY 6/2000.	MODIFY PROCESS AT THE FACILITY TO REUSE WASTE WATER.	W.R. GRACE & CO.-CONN. GRACE CONST. PRODUCTS	200662	1
WATER (RAIN)	PREVENT CONTAMINATION DUE TO THE RAW MATERIAL STORAGE AREA.	CONSTRUCT AN EXPANDED AND COVERED SECONDARY CONTAINMENT AREA THAT IS DETACHED FROM THE FACILITY.	WOODSTUFF MANUFACTURING-43RD AVE	200459	3
WATER	REDUCE WATER USE DURING RINSE-OUT OF OF EQUIPMENT AND TRUCK BEDS	INSTALL A HIGH PRESSURE WASHER	WORLD RESOURCES COMPANY	200440	12
WATER CONSUMPTION	REDUCE THE USE OF FRESH WATER IN ALL MAINTENANCE SHOP ACTIVITIES	INSTALL WATER SAVING NOZZLES ON LOCKER ROOM SHOWERS; ADD AERATOR DEVICES TO THE SINKS; ADD WATER NOZZLES, WHICH CAN BE SHUT OFF, TO ALL HOSES	WORLD RESOURCES COMPANY	200440	5
WOOD PARTICULATES	REDUCE EMISSIONS OF PARTICULATES BY IMPROVING CUTTING/MILLING TOOLING MAINTENANCE PROCEDURES ***DROPPED - OUT OF PROGRAM***	EXAMINE USE OF CARBIDE INSERTS, EXPERIMENT WITH MAINTENANCE SCHEDULES IN AN ATTEMPT TO MINIMIZE DETERIORATION, BEARING WEAR, AND RESULTING IMPERFECTIONS IN WOOD SURFACES	OAKCRAFT, INC	200502	5
WOOD	RECYCLE WOOD.	RECYCLE THE WOOD PRODUCTS RATHER THAN PLACE IN TRASH. REQUIRE THE SUPPLIERS OF THE ALUMINUM COILS TO ACCEPT THE HEAVY DUTY PALLETS BACK TO THEIR LOCATION FOR REUSE.	REXAM BEVERAGE CAN COMPANY-PHX AZ FACILITY	200031	13
WOODED PALLETS	ELIMINATE WOOD WASTE FROM LANDFILL THAT CAN NOT BE RECONDITIONED FOR REUSE.	REUSED FOR ABODE KILN FUEL.	GOWAN CO.	200164	9
XANTHATE	(D) PREVENT CONTAMINATION FROM XANTHATE, DOSS AND DITHIOPHOSPHATE PROCESSES OF SURROUNDING AREAS.	SELECT AND PRIORITIZE TANKS TO RECEIVE SECONDARY CONTAINMENT. IMPLEMENT PROGRAM.	ALKEMIN, S. DE R.L. DE C.V.	200211	4
XANTHATES	REDUCE THE TOXICITY OF REAGENTS USED IN THE MILLING AND CONCENTRATING PROCESS	PERFORM RESEARCH IN ORDER TO IDENTIFY ALTERNATIVE PRODUCTS/REAGENTS	BHP COPPER, SAN MANUEL SMELTING AND REFINING	200226	27
XYLENE/ PM ACETATE	REDUCE USE OF AEROSOL TOUCH-UP SPRAY.	REPLACE PAINT SPRAY CANS WITH AIR SPRAY SYSTEM; RESEARCH ALTERNATIVES, CONDUCT TESTING OF ALTERNATIVES, IMPLEMENT NEW METHOD	ADOBEAIR, INC.	200008	4
XYLENE	REDUCE WASTE THINNERS AND SOLVENTS. EVALUATE NEED FOR PURCHASE OF ADDITIONAL SOLVENT RECYCLE EQUIPMENT AND PURCHASE EQUIPMENT AS REQUIRED APPROVED FOR USE ONSITE BY 20%.	IMPLEMENT USE OF SOLVENT RECYCLING EQUIPMENT.	APS PALO VERDE NUCLEAR	200042	6
XYLENE/ MEK	REDUCE USAGE, DISPOSAL AND EMISSIONS OF VOCS	REPLACE XYLENE/ MEK WITH CITRUS BASED CLEANER.	CARRIER HEAT TRANSFER PRODUCTS, YUMA, AZ	200610	2
XYLENE MIXTURE	ELIMINATE HAZARDOUS AIR POLLUTANTS USED FOR CLEANING.	REPLACE WITH A LESS HAZARDOUS OR NON HAZARDOUS CLEANER.	CYTECFIBERITE	200185	42
XYLENE	REDUCE THE GENERATION OF SOLVENT/ THINNER USED TO CLEAN A PAINT SPRAY GUN	SAVE THE USED SOLVENT/ THINNER TO USE IN THE NEXT MIX AND THINNING JOB; ONLY MIX EXACT AMOUNTS	JOHNS MANVILLE INTERNATIONAL INC.	200227	3
XYLENE	REDUCE OVERSPRAY AND INCREASE TRANSFER RATE TO REDUCE PAINT USED.	PURCHASE AND USE A NEW HVLP SPRAY PAINTING GUN	JOHNS MANVILLE INTERNATIONAL INC.	200227	4
XYLENE	REDUCE VOC EMISSIONS CREATED DURING PAINT THINNING AND CLEAN UP OF PAINTING EQUIPMENT.	REPLACE THE SOLVENT THINNER WITH WATER TO THIN PAINT AND CLEAN UP.	JOHNS MANVILLE INTERNATIONAL INC.	200227	9
XYLENE	ELIMINATE XYLENE FROM A PARTS SOAKING/CLEANING OPERATION.	SUBSTITUTED ACETONE FOR THE XYLENE	LINCOLN LASER COMPANY	200217	3
XYLENE	ELIMINATE OR REDUCE THE USE OF LACQUER THINNER AS A CLEANER IN ASSEMBLY **DROPPED**	COMPLETE RELACEMENT OF THE OPERATION OR REPLACE WITH ENVIRONMENTALLY SAFE ALTERNATIVE	MCCULLOCH CORP (LAKE HAVASU)	200234	13
XYLENE	REDUCE XYLENE USE AND EMISSIONS	REDUCE THE AMOUNT OF XYLENE IN THE PAINT BY AT LEAST 50% WHILE MAINTAINING QUALITY STANDARDS	MI HOME PRODUCTS INC.	200072	9
XYLENE	REDUCE THE AMOUNT OF NEGATIVE RESIST (70% XYLENE) USED IN THE PHOTOLITHOGRAPHY PROCESS	IMPLEMENT A NEGATIVE RESIST FILTRATION SYSTEM TO RECOVER SPENT RESIST TO REUSE IN THE PROCESS.	MICROSEMI CORP.	200246	10

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
XYLENE	REDUCE REPROCESSING CHEMICALS DUE TO REWORKS AND REDOS.	IMPROVE OPERATIONS; EXAMINE OPERATIONS THAT GENERATE REDOS; REDUCE REDOS BY OPTIMIZING PHOTORESIST DEVELOPING PROCESS.	MOTOROLA SCG	200253	10
XYLENE	REDUCE XYLENE USE	OPTIMIZE PHOTORESIST BY REDUCING PHOTORESIST DEVELOP TIME AND OPTIMIZING SPRAY VOLUME AND TIME	MOTOROLA SCG	200253	15
XYLENE	ELIMINATE XYLENE CHEMICALS IN THE BMC BACKGRIND AREA.	INSTALL LAMINATOR AND DELAMINATOR TOOLS IN BMC BACKGRIND AREA.	MOTOROLA - MESA	200255	21
XYLENE	REDUCE QUANTITY OF XYLENE USED IN PHOTOLITHOGRAPHY AND EQUIPMENT CLEANING PROCESS	FIND SUBSTITUTE, MAKE NEEDED EQUIPMENT MODIFICATIONS, CONDUCT PRODUCT EXPERIMENTS, QUALIFY PRODUCT, CONVERT TO NEW PROCESS.	MOTOROLA SCG	200253	25
XYLENE	REDUCE QUANTITY OF XYLENE AND PHOTORESIST USED IN THE APPLICATION OF PHOTORESIST TO WAFERS.	EVALUATE DIFFERENT RESIST PUMP DESIGNS WHICH DO NOT CONTACT AIR OR NEED A PURGE CYCLE. REPLACE MECHANICAL PUMPS WITH MICROPROCESSOR CONTROLLED PRESSURE PUMPS TO CONTROL APPLICATION	MOTOROLA SCG	200253	3
XYLENE	REDUCE UNNECESSAY PURGES WITH N-BUTYL ACETATE IN PHOTORESIST DEVELOPING STEP DUE TO VISUAL SOLVENT LEVEL CHECKS.	INSTALL LEVEL SENSORS; ELIMINATE VISUAL LEVEL CHECK AND PURGE CYCLE NECESSARY AFTER EACH VISUAL CHECK.	MOTOROLA SCG	200253	4
XYLENE / GLYCOL ETHERS	REDUCE AIR EMISSIONS BY 60% AND HAZARDOUS WASTE BY 50% IN THE FINISHING DEPARTMENT.	SUBSTITUTE WATER BASED COATINGS.	MULAY PLASTICS, INC. (CASA GRANDE)	200260	1
XYLENE (RAGS,FILTERS...)	REDUCE TOTAL PLANT GENERATED HAZARDOUS WASTE BY 50%	REVIEW OPERATING PRACTICES; SEGREGATE WASTES OF FILTER CARTIRDGE; REPLACE OVERALLS WITH REUSABLE COVERALLS; FIND OUTLETS FOR OFF-SPEC	OLIN SPECIALITY PRODUCTS-CHANDLER	200271	1
XYLENE	ELIMINATE THE USE OF XYLENE IN RED DYE.	REPLACE TOXIC CHEMICAL WITH NON-TOXIC CHEMICAL.	PRO PETROLEUM	200703	2
XYLENE	VOC REDUCTION PROJECTS: REDUCE METHANOL USAGE BY 75% AND ELIMINATE XYLENE USE	REVIEW METHANOL PROCESSES FOR SOURCE REDUCTION OPPORTUNITIES. FIND AND IMPLEMENT AN ALTERNATIVE FOR XYLENE	RAYTHEON COMPANY USAF PLANT 44	200184	18
XYLENE	TREATER AREA: REDUCE PURCHASE OF NEW XYLENE SOLVENT USED FOR CLEAN UP OF MIXING AND COATINGS OPERATIONS BY RECYCLING.	UTILIZE OFF-SITE RECYCLER TO DISTILL WASTE XYLENE SOLVENT AND RETURN XYLENE FOR FURTHER USE,	ROGERS CORP. ADV CIRCUIT MAT'LS DIV.	200556	12
XYLENE	REDUCE EMPLOYEE EXPOSURE TO XYLENE VAPORS IN THE MIX ROOM BY 25%.	(1) IMPLEMENT USE OF CLOSED LOOP SOLVENT DELIVERY SYSTEM FROM BULK STORAGE TANKS TO THE MIX TANKS. (2) INCREASED MIX ROOM EXHAUST FROM 1000CFM TO 2000CFM, (3) ADDED NITROGEN BLANKET TO THE MIX TANKS	ROGERS CORP. ADV CIRCUIT MAT'LS DIV.	200556	5
XYLENE	REDUCE AMOUNT OF XYLENE WASTE BY 50% IN PREPREG PROCESS.	INSTALL A DISTILLATION UNIT TO DISTILL WASTE XYLENE FOR REUSE IN CLEANING PROCEDURES.	ROGERS CORP. ADV CIRCUIT MAT'LS DIV.	200556	6
XYLENE	REDUCE XYLENE USAGE DURING SPRAY COATING PROCESSES AT FACILITIES (PHOENIX).	DEVELOP MORE EFFICIENT INVENTORY AND PAINT USE PRACTICES TO REDUCE OVER-MIXING OF COATINGS; THEREBY REDUCING WASTE GENERATED. INVESTIGATE REPLACING A PORTION OR ALL USE OF XYLENE WITH SOLVENTS CONTAINING NO TOXIC SUBSTANCES.	SCHUFF STEEL COMPANY-GILBERT	200681	10
XYLENE	REDUCE XYLENE USAGE DURING SPRAY COATING PROCESSES AT FACILITIES (GILBERT).	DEVELOP MORE EFFICIENT INVENTORY AND PAINT USE PRACTICES TO REDUCE OVER-MIXING OF COATINGS; THEREBY REDUCING WASTE GENERATED. INVESTIGATE REPLACING A PORTION OR ALL USE OF XYLENE WITH SOLVENTS CONTAINING NO TOXIC SUBSTANCES.	SCHUFF STEEL COMPANY-GILBERT	200681	11
XYLENE	REDUCE THE AMOUNT OF XYLENE USED DURING SPRAY COATING PROCESSES.	BY UPGRADING EXISTING SPRAY GUNS USED IN THE PAINTING PROCESS TO AIRLESS SPRAY GUNS; BY MONITORING THE OPERATOR'S ACCESS TO PAINTS AND SOLVENTS.	SCHUFF STEEL COMPANY-PHOENIX	200574	6
XYLENE	REDUCE USE OF XYLENE, FORMALDEHYDE AND REAGENT ALCOHOL	CONTINUE RESEARCH TESTING NEW PRODUCTS TO REDUCE FORMALDEHYDE AS A HAZARDOUS WASTE; TEST OTHER ALTERNATIVES AS THEY BECOME AVAILABLE; REVIEW NEW INSTRUMENTATION/ TECHNOLOGY AS THEY BECOME AVAILABLE	SONORA QUEST LABORATORIES, LLC	200579	1
XYLENE	ACHIEVE BETTER CONTROL OF CHEMICAL QUANTITIES USED (XYLENE, TCA) IN PAINTING AND METAL CLEANING	KEEP DAILY LOGS OF CHEMICAL USE, INCLUDE TRAINING ON P2 AND SOURCE REDUCTION TECHNIQUES	SUB-ZERO FREEZER CO., INC.	200363	1
XYLENE	REDUCE THE USE OF XYLENE IN PAINT SHOP OPERATIONS	INSTALL REMOVABLE BAFFELS IN PAINT BOOTHS TO ELIMINATE DAILY XYLENE CLEANING; MODIFY PAINT LINE FLUSHING TO ELIMINATE FLUSHING NEEDS SUBSTITUTE XYLENE WITH NON-REPORTABLE SOLVENT.	SUB-ZERO FREEZER CO., INC.	200363	2
XYLENE	REDUCE AMOUNT OF WASTE PAINT SHIPPED AS A HAZARDOUS WASTE WASTE BY SOURCE REDUCTION, OFF-SITE RECYCLING OR ONSITE PHYSICAL TREATMENT	SEGREGATE AND SEND OFFSITE FOR RECYCLING, REUSE OR USE ONSITE IN REFORMULATED PAINT OR CONSIDER ONSITE TREATMENT TO ELIMINATE CHARACTERISTIC RCRA WASTE CODE.	TED LEVINE DRUM CO	200376	11
XYLENE	REDUCE USE OF XYLENES ** GOAL DROPPED **	DETERMINE IF A SUITABLE ALTERNATIVE SOLVENT IS AVAILABLE FOR THICK FILM SCREENS AND EQUIPMENT	TEXAS INSTRUMENTS TUCSON	200077	7

TARGET CHEMICAL	GOAL STATEMENT	REDUCTION METHOD	FACILITY NAME	ID #	GOAL #
XYLENE	REUSE THE LACQUER REDUCER IN THE LACQUER SPRAYING SYSTEM.	EVALUATE A PILOT TEST TO EXAMINE FEASIBLITY OF REUSING LACQUER.	UNITED MUSICAL INSTRUMENTS - NOGALES	200418	5
XYLENE	REDUCE THE AMOUNT OF XYLENE AND ETHANOL PURCHASED BY 80%.	PURCHASE AND INSTALL A XYLENE AND ETHANOL DISTILLATION STILL	UNIVERSITY MEDICAL CENTER	200422	1
XYLENE; ETHYL ACETATE	REDUCE PAINT SOLIDS (HAZ WASTE) GENERATION & HAZ WASTE WATER FROM COATING SYSTEMS.	MAINTAIN pH OF WATER IN THE WATERFALL PAINT BOOTH, ALLOWING MORE EFFICIENT WATER RECIRCULATION	PING, INC	200208	5
XYLENE;MEK;BUTYL ACETATE	REDUCE VOC EMISSIONS FROM PAINT SPRAY OPERATIONS	EVALUATE/IMPLEMENT CURRENT CHEMISTRIES, APPLICATION REQUIREMENTS, AND ECONOMIC BENEFITS OF WATER BASED PAINTING PRODUCTS	LAMBDA ELECTRONICS, INC.	200214	2
ZINC	IMPROVE INDOOR AIR QUALITY	IMPROVE HOUSEKEEPING. IMPROVE DAILY CLEANUP OF EMPLOYEE WORK STATIONS. PERFORM VACUUMING OF ENTIRE FOUNDRY. ENFORCE DAILY WET SWEEP.	AACCO CAST PRODUCTS, INC.	200526	5
ZINC	OPTIMIZE RAW MATERIAL USE	TEST A NEWLY INSTALLED POUR APPARATUS. THIS APPARATUS PROMISES TO REDUCE SPILLAGE OF MOLTEN METAL ONTO THE FOUNDRY FLOOR.	AACCO CAST PRODUCTS, INC.	200526	6
ZINC DROSS	REDUCE THE AMOUNT OF WASTE ZINC DROSS PRODUCED.	A. REVISE PROCEDURES TO REDUCE THE NUMBER OF TIMES REQUIRING BURNOFF - 2/97. B. REDUCE IMPURITIES IN THE ZINC POT THAT CAUSE EXCESS DROSS BY IMPROVING THE LEANLINESS OF THE TUBE GOING INTO IT, AS WELL AS IMPROVE THE IMPURITIES - 8/97.	ALLIED TUBE AND CONDUIT	200032	13
ZINC DUST	ELIMINATE ZINC DUST FOR PROCESSING GALVANIZED STEEL TUBE.	RESEARCH AND SWITCH TO QA ZINC FREE PAINT.	ALLIED TUBE AND CONDUIT	200032	23
ZINC DUST	REDUCE FUGITIVE ZINC DUST EMISSIONS BY INCREASING EFFICIENCY OF ZINC DUST COLLECTOR ** GOAL DROPPED**.	PURCHASE WET DESIGN DUST COLLECTOR	ALLIED TUBE AND CONDUIT	200032	9
ZINC OXIDE	ELIMINATE THE CYANIDE BASED BONDING PRODUCT.	SUBSTITUTE WITH A NON-CYANIDE BASED ALUMINUM PLATING BONDING AGENT.	AZ PLATING & ANODIZING CO	200062	7
ZINC CYANIDE	REUSE AS PROCESS BATH MAKE-UP 5% OF THE CYANIDE RINSES GENERATED BY THE TREATLINES.	REUSE OF PROCESS RINSE WATER AS BATH MAKE-UP.	GOULD ELECTRONICS, INC.	200163	14
ZINC CYANIDE	REDUCE THE AMOUNT OF R.O. WATER USED FOR FOIL RINSING IN THE BRASS PLATING PROCESS BY 20%.	RECONFIGURE BRASS PLATING RINSES TO MAXIMIZE WATER USAGE.	GOULD ELECTRONICS, INC.	200163	19
ZINC	REDUCE THE AMOUNT OF ZINC SENT TO THE TREATMENT FACILITY.	INCREASE PROCESS CONTROL WHICH INCLUDES DAILY ANALYSIS, CHEMICAL ADDITION CONTROL AND HULL CELL EVALUATION.	METCO METAL FINISHING - PHOENIX	200451	14
ZINC METAL	REDUCE ZINC METAL, HYDROCHLORIC ACID (ACID PICKLE) MAKE-UP AND MAINTENANCE ON THE ZINC COATING LINE	REDUCE DISCARDING THE SATURATED ACID PICKLE FROM THE ZINC ON PLATING RACKS OR SPLINES	METCO METAL FINISHING - PHOENIX	200451	5
ZINC	REDUCE AMT METALS TO WASTE TREATMENT SYSTEM REDUCE CONTAMINATION IN PROCESS TANKS ** GOAL DROPPED **	ADD AIR AGITATION TO ALL RINSE TANKS (ZINC, TIN, AND NICKEL PROCESS LINES) SOME PROBLEMS WITH PARTICULATE CONTAMINATING PARTS.	METCO METAL FINISHING - PHOENIX	200451	8
ZINC METAL	REDUCE METAL IN PLATING TANKS TO DECREASE METALS IN WASTE STREAM	EVALUATE WITH VENDORS AND MAKE ADJUSTMENTS AFTER FEASIBILITY STUDY IS COMPLETED (ION EXCHANGE)	METCO METAL FINISHING - PHOENIX	200451	9
ZINC OXIDE	REDUCE USE OF RAW MATERIAL (ZINC OXIDE)	RECYCLE RUBBER DUST INTO RUBBER MIX. 200,000 LBS OF RUBBER DUST WILL OFFSET ABOUT 4,000 LBS OF ZINC OXIDE	PENN RACQUET SPORTS	200598	1
ZINC	REDUCE PURCHASES OF ZINC WHICH ARE USED TO LINE THE CRUSHERS	SAVE, REMELT AND REMOLD THE ZINC LINERS	PHELPS DODGE BAGDAD, INC.	200114	16
ZINC	REDUCE ZINC COMPOUND WASTE	REWORK OFF SPEC PRODUCTS TO HELP REDUCE WASTE, AND USE MATERIAL HANDLING PROCEDURES TO REDUCE NUMBER OF TIMES MATERIAL IS HANDLED.	POLYONE CORP.-GLENDALE, AZ	200714	2
ZINC SULFATE SOLUTION	REDUCE QUANTITY OF OFF-SPECIFICATION ZINC SULFATE SOLUTION DISPOSED AS HAZARDOUS WASTE.	ACTION PLAN 1: ELIMINATE SOURCE OF CHROMIUM FROM ZINC SULFATE TANK: REMOVE HEATER FROM ZINC SULFATE TANK.	PRAXAIR INC	200475	5
ZINC	REDUCE ZINC FROM PLATING RINSES. THIS GOAL WAS REWRITTEN FROM OLD GOAL #7	ELIMINATE THE USE OF ZINC PLATING FINISH ON 80% OF PRODUCTS BY REVISING SPECIFICATIONS OR STOPPING PRODUCTION ON SOME PRODUCTS.	WEISER LOCK COMPANY	200435	10