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EG&G MOUND-04-01----9610090064

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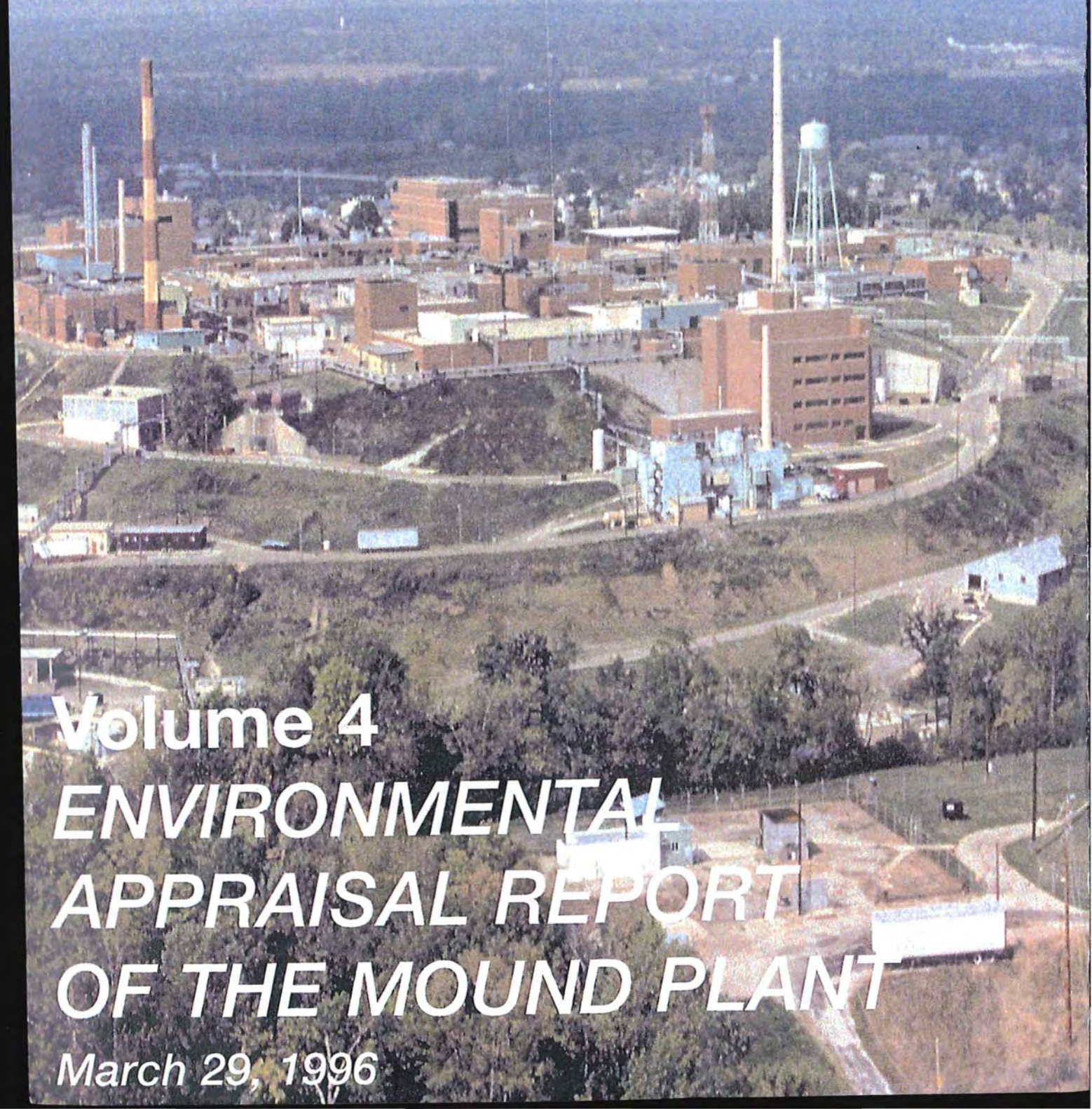
MOUND APPLIED TECHNOLOGIES



Volume 4
ENVIRONMENTAL APPRAISAL REPORT OF THE MOUND PLANT

March 29, 1996

MLM-ML-96-43-0001

ENVIRONMENTAL APPRAISAL REPORT OF THE MOUND PLANT

Volume 4

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Environmental Appraisal of the Mound Plant

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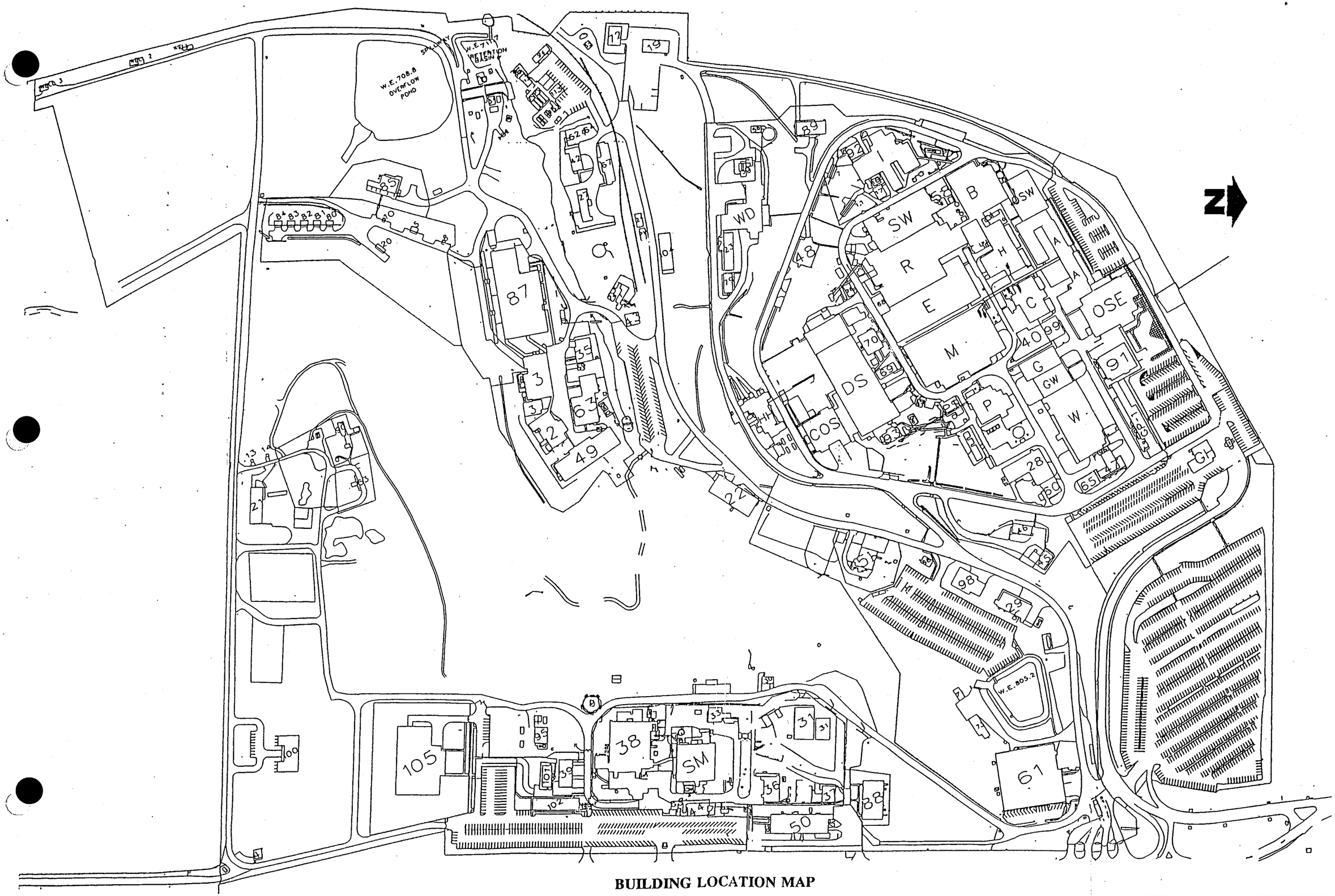
Environmental Appraisal of the Mound Plant

LIST OF ACRONYMS

ACBM	asbestos-containing building material
ASTM	American Society for Testing and Materials
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act of 1980
D&D	decontamination and decommissioning
DOD	Department of Defense
DOE	Department of Energy
DOT	Department of Transportation
EA	environmental assessment
EMSOC	Energetic Materials Safety Overview Committee
EPA	Environmental Protection Agency
ER	environmental restoration
ES&H	environment, safety and health
FY	fiscal year
HAZWOPPER	hazardous waste operation and emergency response training
HEPA	high-efficiency particulate air
HP	health physics
LDR	Land Disposal Restricted
LSA	low specific activity
NEPA	National Environmental Policy Act
NESHAP	National Emission Standards for Hazardous Air Pollution
NIOSH	National Institute for Occupational Safety and Health
NPDES	National Pollutant Discharge Elimination System
NRC	Nuclear Regulatory Commission
NTS	Nevada Test Site (DOE)
OAC	Ohio Administrative Code
OEPA	Ohio Environmental Protection Agency
OSHA	Occupational Safety and Health Administration
OSP	Orphan Source Program
PCB	polychlorinated biphenyl
RCRA	Resource Conservation and Recovery Act
RTG	radioisotopic thermoelectric generator
SAR	Safety Analysis Report
SARA	Superfund Amendments and Reauthorization Act
SPCC	spill prevention, control, and countermeasures
TRU	transuranic
TRUESOC	Transuranic Environmental and Safety Overview Committee
TSCA	Toxic Substances Control Act
UST	underground storage tank
UCNI	unclassified controlled nuclear information
VOC	volatile organic compounds



BUILDING LOCATION MAP

9.21 BUILDING OSW

9.21.1 Scope of Building OSW Report

In late 1995 and the early months of 1996, EG&G MAT performed a review of environmental conditions at the Mound Plant. The purpose was to develop a performance baseline, and to identify areas for improvement on a building and a sitewide basis. EG&G MAT did not perform a "due diligence" or Phase I Environmental Site Assessment as specified by ASTM 1527 or ASTM 1528. The scope of the appraisal effort and a discussion of the appraisal methodology are detailed in Sections 2.0 and 5.0, found in Volume 1 of this report.

The appraisal team performed a walk-through of Building OSW on the morning of February 29, 1996. The Environmental Appraisal Checklist (EAC) was used to record findings. The EAC is found in Attachment 1 (Section 9.21.6.1). The appraisers were accompanied by the process manager of Drawing Control. Other information was supplied by the building manager and recorded on the Building Manager's Questionnaire (BMQ), included as Attachment 2 (Section 9.21.6.2).

9.21.2 Description of Building OSW

Building OSW is a four-story, 52,280-square-foot building constructed of concrete block with a brick face and a built-up membrane (coal tar) roof. Its location is shown in Attachment 3 (Section 9.21.6.3). Building OSW is located in the northern region of the Mound site, west of Building A. heating and air conditioning services are central steam and chilled water. Electric service is 480V.

Building OSW was constructed in 1975 and houses computer-aided design (CAD) products, processes, drawing control program management, and administrative offices. Building OSW is not contaminated with any radioactive or energetic materials. The building has been used as an administrative support facility since constructed.

9.21.3 Summary of Findings

On the third floor of Building OSW, a film developing process is in operation. Chemicals used are mainly developers and fixer solutions. The spent chemicals are deposited in 2-or 5-gallon approved waste cans for pickup by Waste Management. Pickup is scheduled for every Tuesday, but is usually needed only once a month. The area appeared to be well-maintained and Material Safety Data Sheets (MSDS's) were readily available. Several issues of concern were identified during the walk-through, but after speaking with the process manager, it appears that the process is operating under proper guidelines. There were no suggestions made related to improvement of management practices nor any issues of environmental concern.

9.21.4 Observations

9.21.4.1 Air Emissions

There are no fumehoods. There are no fuel-burning units in the building. There is no evidence of fugitive dust. The building is not included in the Mound Air Emissions Database.

No air emission permit applications have been submitted to RAPCA for activities in the building.

9.21.4.2 Wastewater Emissions

The Mound Facility has three wastewater collection systems: a sanitary wastewater system; a storm water system; and a radioactively contaminated process wastewater system. Sanitary wastewater is treated at an onsite tertiary treatment plant and subsequently discharged by hard pipe to the Great Miami River. Storm water and any non-process wastewater, single pass cooling water, and softener backwash may be discharged directly to the Great Miami River, via the Miami-Erie Canal, or may be diverted to a 3.1-million-gallon holding pond for settling prior to discharge. Radioactively contaminated wastewater is treated in Building WD by physical-chemical treatment. If appropriate, wastewater may be discharged by hard pipe to the Great Miami River. If concentrations of radioactive contaminants cannot be reduced to acceptable levels, wastewater is solidified and shipped to the Nevada Test Site or Envirocare for disposal. All outfalls are permitted under an active NPDES permit. Routine monitoring activities are in place. Based on NPDES monitoring report data reviewed, it appears that the facility is in compliance with qualitative and quantitative conditions of the permit.

9.21.4.2.1 Sanitary Wastewater

The building does utilize sanitary services, according to a diagram of underground lines, presented as Attachment 5 (Section 9.21.6.5). Confirmation of drainage of sanitary waste into the sanitary line was not within the scope of the project and was therefore not verified with dye or smoke tests.

9.21.4.2.2 Storm Wastewater

The interior floor collection drains and the exterior of the building is serviced by storm drains. Grates and drains were not tested to confirm that they connect to the storm drainage system. Inspection showed no sign of odors, colored discharges, or scarring which would indicate that any materials other than storm water has entered the storm drainage system.

9.21.4.2.3 Chemicals

Chemicals used in Building OSW include the developer and fixer solutions mentioned earlier in the report and general janitorial supplies. MSDS's are available. Drains are clean and appear to drain properly. There has not been any reported spills or releases of any chemicals.

9.21.4.3 Potable and Service Water

Potable water and service water are supplied to the building. Backflow in the mechanical prevention devices are installed at all visible points of potential cross connection. There are eight drinking fountains, two on the first floor, two on the second, two on the third, and two on the fourth. Model and serial numbers are located on the checklist. Service water is supplied to the building and used for the fire sprinkler system.

9.21.4.4 Chemical Storage and Hazardous Materials

Storage and handling procedures have been developed to comply with applicable standards. Very few chemicals are stored in Building OSW. Photoprocessing chemicals were found to be properly labeled, segregated and stored.

The building is equipped with appropriate charged fire extinguishers. Each extinguisher is bar coded. The inspection date database is maintained within the Fire Station. There is an emergency evacuation plan, and signs were posted.

A review of the Mound Active Underground Storage Tank Plan and visual inspection indicated that there are no aboveground storage tanks in or around the building. There is a sump containing water outside the southeast corner of the building that is pumped on a per-volume basis to the sanitary sewer. There are no underground storage tanks proximate to the building.

The building was tested for asbestos-containing building material (ACBM) and results were that ACBM was suspected to be present, (MD-10391, *Asbestos Program Manual*, 9-14-95).

There are no capacitors or transformers containing polychlorinated biphenyls (PCB's) located in the building. There is no record of past presence.

No research or production activities using energetic or radioactive materials has occurred in the facility, (*Mound Facility Physical Characterization*, 12-1-93).

9.21.4.5 Solid, Hazardous, and Radioactive Wastes

Hazardous wastes are generated in the building. Solid wastes generated are primarily paper (cardboard boxes) and some waste photoprocessing chemicals. There is paper and aluminum can recycling to minimize solid waste. Solid wastes are removed by janitorial personnel to a site collection point, then shipped offsite to a local landfill by a contractor. The disposal permit is maintained by the Waste Management Group. There is no evidence that hazardous materials or wastes are mixed with solid waste streams. There is a designated Satellite Accumulation Area (SAA) for photoprocessing chemicals. The waste chemicals have secondary containment and waste management checks the SAA weekly. Waste profiles and other characterization data were not reviewed.

9.21.4.6 Waste Minimization and Pollution Prevention

At Mound there is an active program to minimize waste streams in accordance with state and federal requirements and Executive Order 12856. Programs for waste minimization are in place including aluminum can recycling.

9.21.5 Findings and Recommendations

Photographs were taken to document the environmental appraisal. They are included as Attachment 6 (Section 9.21.6.6). Through an inspection and review of reference materials for Building OSW, it appears that there are no issues of environmental concern related to the structure or processes housed within it.

9.21.6.1 Environmental Appraisal Checklist

ENVIRONMENTAL APPRAISAL CHECKLIST

Building Name OSW

Appraisers:

Name	Discipline
J Hausfeld	CWA
M Merker	RCRA

Building Manager: William Whitelow

Process Manager:

Date: 2/29/96

ENVIRONMENTAL APPRAISAL CHECKLIST

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TSCA and NESHAP Requirements for Asbestos	13
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Environmental [illegible]lsal Checklist

Building Name: OSW

Appraisers: HAUSFELD MERKER

Date: 2/29/96

Clean Water Act (CWA) Screening Checklist

Question	Response	Comments
Does the outside drain spouting of the building discharge directly to a storm sewer/sanitary system?	(Y)/ N	If the answer to any of these questions is yes, proceed with the following checklist.
Are there sinks, toilets and floor drains in the building?	(Y)/ N	
Are chemicals being used in the building?	(Y) N	
Is there a process which discharges to the storm or sanitary system?	(Y)/ (N)	

CWA Checklist

Regulatory Guideline	Question	Response	Comments
40 CFR 122 Appendix D Table V	If chemicals are used/stored in the building, are they on the attached list? Are they properly contained?	(Y)/ N (Y)/ N	
	Is the building in operation? What are the processes and where do they discharge to?	(Y)/ N _____ _____	ALMOST ALL ADMIN Film Developing → WASTE PICKED UP ~~MICROFICHE PROCESSING - REMOVED~~
	Do the floor drains, sinks & toilets appear to be draining properly?	(Y)/ N	
OAC 3745-33	Do the floor drains and sinks drain to a sanitary or storm sewer?	(Sanitary) Storm	
	Is there a sump/pit in the building? If so, what does it contain? How often is it pumped out? Does water collect in sump? Does sump have secondary containment?	(Y)/ N SEWAGE AUTO Y /(N) Y /(N)	NOT REQUIRED
	Are there any manholes, catch basins, drains, or fill pipes in or around the building? If so, are there any unusual appearances, colors, and/or odors? Describe in comment section. Can chemicals flow into the drain?	(Y)/ N Y /(N) Y /(N)	

9.21-9

9.21-10

Environmental Appraisal Checklist

Building Name: OSW Appraisers: Date:

Clean Air Act (CAA) Screening Checklist

Regulatory Guideline	Question	Response	Comments
	Are there any rooms that have air emissions sources that vent to the outside of the building, e.g., fumehoods, equipment? If so, note the rooms.	Y / N	
OAC 3745-35	Using the air emissions inventory reference for this building, are there any sources in the building that are not documented?	Y / N	
	Is there evidence of fugitive dust emissions inside or outside of the building	Y / N	

CAA Checklist

Regulatory Guideline	Question	Response	Comments
	Are there existing air permits or applications applicable to the building?	Y / N	
OAC 3745-31,35	If yes, are the terms and conditions of the permit or the information included on the application (see air emissions database) being followed? Note any differences and update the air emissions database.	Y / N	
OAC 3745-31	Are there any sources that are not included in the air emissions database? If so, note the room, hood number, active or not, POC, and applicable air emission database information on Table B.	Y / N	
OAC 3745-31-03	Are there sources which are lab equipment of lab fumeheads used exclusively for chemical or physical analyses and bench scale lab equipment? These sources do not require a permit. However, the air emissions database should be updated.	Y / N	
	Has there been any release of air contaminants from this building?	Y / N	

Building Name: OSW Appraisers: Date:

N/A CAA Checklist

Comments: Note the number of sources/hoods per room, the number that are active, and the POC on the reference document.

TABLE A									
Process Source	Room Number	Hood Number	In Database	Active	Chemicals Used	Quantity Used	Quantity to Waste Management	Hours/Yr. Operation	Air Emissions
			Y / N	Y / N					
			Y / N	Y / N					
			Y / N	Y / N					
			Y / N	Y / N					
			Y / N	Y / N					

Source:_____

9.21-11

9.21-12

Environmental Appraisal Checklist

Building Name: Appraisers: Date:

Hazardous Materials (HM) Screening Checklist

Question	Response	Comments
Are any chemicals used or stored in this building, now or in the past?	(Y)/ N	If the answer is yes, proceed with the following checklist.

HM Checklist

Regulatory Guideline	Question	Response	Comments
29 CFR 1910.1200(b,f)	All containers of hazardous chemicals shall be labeled as to the identity of the chemical and the appropriate hazard warnings.	(Y)/ N	
29 CFR 1910.1200(g)	MSDS shall be available to the employees in close proximity to the work area.	(Y)/ N	
29 CFR 1910.22, 1910.106, 1910.176	All places of employment, passageways, storerooms and service areas shall be kept clean and orderly and in a sanitary manner. Aisles shall be unobstructed. Drums and containers are not leaking and are tightly sealed.	(Y)/ N	
29 CFR 1910.106	Storage cabinets for flammable materials are constantly kept closed, are fire resistant and are labeled "FLAMMABLE - Keep Fire Away". Containers inside should be labeled and closed. No spills inside cabinet.	Y / N N/A	
29 CFR 1910.106(d)(7)	Incompatible chemicals are not stored together.	(Y)/ N	
29 CFR 1910.106(d)(4)	Inside Flammable/combustible storage rooms must meet the following: 4 in. raised sill or trench that drains to a safe area, liquid tight wall/floor joints, self-closing doors, gravity or mechanical exhaust providing 6 room changes/hr., exhaust switch located outside room, at least one 3 ft. aisle; no cracks in secondary containment.	Y / N N/A	

Building Name: Appraisers: Date:

HM Checklist

Regulatory Guideline	Question	Response	Comments
29 CFR 1910.106(d)(7)	All flammable/combustible storage locations have at least one 12-B portable fire extinguisher located outside and within 10 ft. of a door opening into any room for storage. No smoking signs are posted.	Y / N	
29 CFR 1910.151	Eyewashes/showers shall be provided within the work area. Ensure unit is operational.	Y / N	
CGA P-1 3.3 & 3.3.10	All gas cylinders (full or empty) shall carry a legible label or marking identifying the contents.	Y / N N/A	
CGA P-1 3.5.3	Full and empty containers should be stored separately with the storage layout planned so that containers comprising of old stock can be removed first with a minimum handling of other containers.	Y / N N/A	
CGA P-1 3.5.8	All compressed gas containers in service or in storage shall be stored standing upright and the container shall be secured.	Y / N N/A	
CGA P-1 4.2.2	Oxygen cylinders shall be separated from flammable gas containers or combustible materials a minimum of 20 ft. or a noncombustible barrier 5 ft. high.	Y / N N/A	
29 CFR 1910.104(2)(10)	Oxygen stored as a liquid shall be on a noncombustible surface. Asphalt is considered combustible. Wood and long dry grass shall be cut back 15 ft. from the container.	Y / N N/A	
29 CFR 1910.104	Bulk oxygen storage shall be permanently placarded "OXYGEN - NO SMOKING - NO OPEN FLAMES".	Y / N N/A	
	Is there a sign posted in each work area regarding emergency egress and emergency response action?	Y / N	
	Is there an emergency response plan available?	Y / N	

9.21-13

9.21-14

Environmental Appraisal Checklist

Building Name: Appraisers: Date:

HM Checklist

Regulatory Guideline	Question	Response	Comments
	Is there a process area?	Y / N	
	Does it have proper containment?	Y / N	
	Is there a liquid bulk transfer area?	Y / N	
	Is there proper containment?	Y / N NA	
	Is there an above ground storage tank? If so, complete Table B.	Y / N	

Above Ground Storage Tanks Inventory

TABLE B—Above Ground Storage Tanks Inventory

Building	Capacity (Gal.)	Contents	Estimated Volume	In Service	Containment	Visual Stains/ Contamination	If Empty, Flushed
OJW	1500	NITROGEN	est full	Y / N	Y / N	Y / N	NA Y / N
				Y / N	Y / N	Y / N	Y / N
				Y / N	Y / N	Y / N	Y / N
				Y / N	Y / N	Y / N	Y / N
				Y / N	Y / N	Y / N	Y / N
				Y / N	Y / N	Y / N	Y / N
				Y / N	Y / N	Y / N	Y / N

Source: _____

Building Name: OSW Appraisers: Date:

Safe Drinking Water Act (SDWA) Screening Checklist

Does this facility have potable water?	(Y) / N	If yes, conduct the following survey.

SDWA Checklist

Regulatory Guideline	Question	Response	Comments
OAC 3745 95-02 (A)	Do actual or potential cross-connections exist between potable (light green) and service water (dark green)?	(Y) / N	
OAC 3745 95-04 (B)(C)	Are backflow prevention devices installed where cross connections (hoses connected to faucets, hot water tank vented directly to a drain) exist?	(Y) / N	
	Are sources of service water (janitorial and laboratory faucets, or outdoor spigots) posted as non-potable water sources?	(Y) / N	
	Does the facility contain any water coolers or fountains that are not lead free? Complete Table C.	Y / N	UNKNOWN

TABLE C—Water Fountain Survey

Building	Location	Model #	Comments / Date of Analysis for Lead
OSW	1st FLOOR	HALSEY TAYLOR WALL MOUNT	2 FOUNTAINS NO MODEL #
"	2ND FLOOR	"	2 FOUNTAINS "
"	3rd FLOOR	"	2 FOUNTAINS "
"	4th FLOOR	"	2 FOUNTAINS "

Source: _____

9.21-15

9.21-16

Environmental Appraisal Checklist

Building Name: Appraisers: Date:

RCRA Screening Checklist

Does this facility generate waste or use chemicals?	Y / N	If yes, conduct the following survey.

RCRA Checklist

Regulatory Guideline	Question	Response	Comments
OAC 3745 52-11	Has any material generated been characterized RCRA hazardous? Was charactarization by analysis or by process knowledge? Are lab results or documentation of process knowledge readily available? Note any uncharacterized material in comment section. Is it waste? If yes, proceed with next section.	(Y) / N analysis / (process) (Y) / N Y / N N/A	NONE
OAC 3745 52-11	Are any of the materials noted RCRA hazardous waste? If no, note and stop here. If yes, note the location of the management unit, and the method of management, and proceed with the appropriate section below.	Y / (N)	

Building Name: OSW Appraisers: Date:

RCRA Checklist

Regulatory Guideline	Question	Response	Comments
I. HAZARDOUS WASTE STORED IN CONTAINERS			
	Is there an area in the building that could qualify as a Satellite Accumulation Area?	Y / N	
	Is it treated as such?	Y / N	
OAC 3475-52-34 (C)	Has any of the RCRA hazardous waste in this building been managed in Satellite Accumulation Areas? If no, proceed to the next section. If yes, answer the following.	Y / N	
	Are the containers marked with the words hazardous waste, or other words denoting the hazard?	Y / N	
	Are the containers in good condition?	Y / N	
	Are the waste compatible with the containers?	Y / N	
	Are containers managing ignitable hazardous waste stored at least 50 feet from the plant site boundary?	Y / N	
	Are containers kept closed and locked except during filling?	Y / N	NOT LOCKED
	Are containers moved within 3 days of being filled?	Y / N	WEEKLY PICKUP

9.21-17

Environmental Appraisal Checklist

Building Name: Appraisers: Date:

RCRA Checklist

Regulatory Guideline	Question	Response	Comments
OAC 3745-52-11 (A)	If a Satellite accumulation area has been abandoned and/or if waste left in place, and the containers may be subject to the 90-day-storage exclusion. If this exclusion does not apply, go to the next section. If the containers have been in storage under this exclusion, answer the following:	N/A	
	Are the containers in good condition?	Y / N	
	Are the waste compatible with the containers?	Y / N	
	Are the containers kept closed except during filling?	Y / N	
	Are the containers managed in such a way, that they are not ruptured, or leaks caused?	Y / N	
	Is the area inspected at least once weekly?	Y / N	
	Is the inspection recorded? Where is the log? Is it properly completed, dated, and signed?	Y / N _____ Y / N	
	Are containers managing ignitable hazardous waste stored at least 50 feet from the facility boundary?	Y / N	
	Are incompatible wastes managed in such a way that they will not react with another incompatible waste?	Y / N	
OAC 3745-52-34(B)	Has any of the waste (except in Building 23, Building 72 and the Burn Area) been managed in excess of 90-days?	Y / N	
	If no go to next section.		
	If yes, note.		
	For Building 23, Building 72 & Burn Area use special checklist.		

Building Name: OSW Appraisers: Date:

RCRA Checklist

Regulatory Guideline	Question	Response	Comments
II. HAZARDOUS WASTE STORED IN TANKS			
OAC 3745-52-32 (B)	Has any chemical waste stored in a tank, piece of process equipment or ancillary equipment been in storage in excess of 90-days?	Y / N	N/A
	If the answer was no, then proceed with the following:	Y / N	
	Has the tank or piece of equipment had an integrity assessment?	Y / N	
	Is there a sump?	Y / N	
	Is it dry?	Y / N	
	Does the tank or equipment have secondary containment?	Y / N	
	Does the tank or equipment have leak detection device(s)?	Y / N	
	Has spill control prevention been enacted?	Y / N	
	Has any hazardous waste stored in a tank, piece of process equipment or ancillary equipment been in storage in excess of 90-days?	Y / N	
	If the answer was no, then proceed with the following:		
	Has the tank or piece of equipment had an integrity assessment?	Y / N	
	Does the tank or equipment have secondary containment?	Y / N	
	Does the tank or equipment have leak detection device(s)?	Y / N	
	Has spill control prevention been enacted?	Y / N	
	Is there a closure plan?	Y / N	
	If yes, then note.		
OAC 3745-67	Has any of the waste been managed in a surface impoundment? If yes, then note. Go to the next section.	Y / N	

9.21-19

Environmental Appraisal Checklist

Building Name: Appraisers: Date:

RCRA Checklist

Regulatory Guideline	Question	Response	Comments
OAC 3745-68	Has any of the waste been managed in a Landfill? If yes, then note. Go to the next section.	Y / N	
OAC 3745-68	Has any of the waste been managed in an Incinerator (other than Burn area units)? If yes, then note. Go to the next section.	Y / N	
OAC 3745-68	Has any of the waste been managed in a Thermal treatment Unit (other than Burn area units)? If yes, then note. Go to the next section	Y / N	
OAC 3745-69	Has any of the waste been managed in a Miscellaneous Treatment Unit (other than Burn area units)? If yes, then not. Go to the next section.	Y / N	
OAC 3745-56	Has any of the waste been managed in a Waste Pile? If yes, then note. Go to the next section.	Y / N	

General Comments:

Building Name: OSW Appraisers: Date:

Asbestos Screening Checklist

Does this facility contain ACBM?	Y / N	If yes, conduct the following survey.

Asbestos Checklist

Note: Routinely, the asbestos standard for ACBM in schools has been applied to facilities for purpose of cleanup. In addition to AEHERA, there are additional standards in the NESHAPS that may be of importance.

Regulatory Guideline	Question	Response	Comments
ADAPTED FROM TSCA ACBM IN SCHOOLS:			
	Has this building been characterized either through process knowledge, by analyses, or by inspection to determine if it contains asbestos? If no for this building or area note this conclusion in the comment section.	Y / N	
	Is there any evidence of friable asbestos?	Y / N	
	Is the asbestos removal properly managed? (See questions listed below)	Y / N	If there is no asbestos removal, do not complete the following section.
NESHAPS FOR ASBESTOS FOR ANY ONGOING ASBESTOS REMOVAL:			
40 CFR 61.156	There are no discharges of visible emissions to the outside air from collection, processing, packaging, transporting, or deposition of ACBM during the removal.	Y / N	
40 CFR 61.152(b) (1)	ACBM is treated with water in accordance with 40 CFR 152(b)?	Y / N	
40 CFR 61.154	Is friable asbestos adequately wetted during stripping? Or, has an adequate ventilation and collection system been installed?	Y / N	
40 CFR 61.152	Is wetting continued until the waste friable asbestos is collected for disposal?	Y / N	

9.21-22

Environmental Appraisal Checklist

Building Name: OSW Appraisers: Date:

Toxic Substances and Control Act (TSCA) PCB's Screening Checklist

Does this facility potentially contain any PCB's or PCB contaminated equipment?	Y (N)	If yes, are transformers labeled (Blue or Yellow stickers)? If yes, conduct the following survey.

TSCA Checklist

Regulatory Guideline	Question	Response	Comments
40 CFR 761	Has any waste generated in, or from, this building been characterized either through process knowledge or by analyses to determine if it contains PCB's ? If the answer is no, note . If the answer is yes, proceed with next section.	Y / N	
	Based on an inspection, are any of the materials or equipment potentially PCB contaminated? If no, note and stop here. If yes, note the location of the management unit, and the method of management, and proceed.	Y / N	
40 CFR 761.65 (c) (5)	Are PCB articles or containers stored in this building checked for leaks at least once every 30 days?	Y / N	
	If yes, are auditable records maintained.	Y / N	
40 CFR.30 (a) (1) (ix)	Are any PCB transformers in use, or stored for possible reuse, that contain PCB's at concentrations of 500 ppm or greater?	Y / N	
	Are they visually inspected quarterly? If yes, are auditable records maintained?	Y / N	

Building Name: OSW Appraisers: Date:

TSCA Checklist

Regulatory Guideline	Question	Response	Comments
40 CFR 761.30 (a) 1,viii	Are all combustible materials (i.e., paints, solvents, plastics, paper, sawn wood, etc.) cleared from areas containing PCB transformers to a distance of five meters?	Y / N	N/A
40 CFR 761.65 (b) (8)	Are all PCB articles and containers labeled with the date they were placed in storage?	Y / N	
	Are labeled PCB articles and containers stored so that the labels can be referenced?	Y / N	
40 CFR 761.65 (a)	Are all PCB's and PCB contaminated items at concentrations above 50 PPM, that are stored for disposal, stored no longer than one year from the date they were placed in storage?	Y / N	
40 CFR 761.62 (b) (1) (i)	Do all PCB storage areas have an adequate roof and walls to prevent rainwater from reaching the stored items?	Y / N	
40 CFR 761.62 (b) (1) (iv)	Are storage are floors curbed and constructed of continuous smooth and impervious materials?	Y / N	
40 CFR 761.62 (b) (1) (i)	Are the curbs at least 6 inches high?	Y / N	
40 CFR 761.62 (b) (1) (iii)	No drains are allowed in storage areas. Are there drains in the storage areas?	Y / N	✓

9.21-23

9.21-24

Environmental Appraisal Checklist

Building Name: OSW Appraisers: Date:

TSCA Checklist

Regulatory Guideline	Question	Response	Comments
40 CFR 761.65 (c) (2)	Only non-leaking and undamaged large high voltage PCB's capacitators and PCB-containing electrical equipment are allowed to be stored outside of PCB storage areas, on pallets if stored outside, with containment for 10 percent of the volume of the equipment. Do all PCB's stored in this configuration conform with this requirement?	Y / N	N/A
40 CFR 761.45 and .65	Are all PCB storage areas marked with a large PCB mark as described in 40 CFR 761.45 (a)?	Y / N	
40 CFR 761.65 (c) (5)	Have all leaking PCB articles and containers been transferred to non-leaking containers?	Y / N	
40 CFR 761.65 (c) (6)	Do all PCB storage containers for the storage of liquid and non-liquid PCB's comply with DOT shipping container specifications?	Y / N	

GENERAL COMMENTS:

Building Name: OSW Appraisers: Date:

Low-Level Waste and Transuranic Waste Screening Checklist

Does this facility contain radioactive waste ?	Y / N	If yes, conduct the following survey.

Low-Level Waste and Transuranic Waste Checklist

Regulatory Guideline	Question	Response	Comments
Low-Level Waste			
DOE Order 5820.2A Chapter III	Can any waste generated in, or from, this building be characterized either through process knowledge or by analyses to determine if it is LLW ? If the answer is no, note. If the answer is yes, proceed with next section.	Y / N	N/A
DOE Order 5820.2A Chapter III.	Are any of the materials noted by inspection LLW? If no, The audit would stop here, because there are no LLW. If yes, note the location of the management unit, and the method of management, and proceed with the section below.	Y / N	
DOE Order 5820.2A Chapter III, 3.a.	Have the storage configurations in use in this area been taken into account for keeping external exposures to the general public below 25 mrem/yr?	Y / N	
	Is the waste stored in a configuration that protects ground-water resources?	Y / N	
DOE Order 5820.2A Chapter III, 3.b.	Has monitoring been conducted in this area in accordance with DOE Order 5820.2A in order to evaluate the area against the performance standard?	Y / N	
	Based on field data, does the monitoring conducted in this area conform to the performance standard?	Y / N	

9.21-25

9.21-26

Environmental Appraisal Checklist

Building Name: OSW Appraisers: Date:

Low-Level Waste and Transuranic Waste Checklist

Regulatory Guideline	Question	Response	Comments
DOE Order 5820.2A Chapter III, 3.d.	Based on field data, is the characterization of the materials in this area sufficient to assure proper segregation to assure proper segregation, treatment, storage, and disposal?	Y / N	N/A
	Based on field data does the characterization as documented at the time of generation of the waste ensure that the actual physical and chemical characteristics, and major radionuclide content of this material are recorded and known at all stages of the waste management process?	Y / N	
	Do characterization data include the following:		
	Physical and chemical characteristics of the waste?	Y / N	
	Volume of the waste (including solidification and absorbent material)?	Y / N	
	Weight of the waste (including solidification and absorbent material)?	Y / N	
	Major radionuclides and their concentrations?	Y / N	
	Packaging date, package weight, external volume?	Y / N	
	How were the concentration of radionuclides determined? Direct methods?	_____	
	How were the concentrations of radionuclides determined? Indirect methods?	_____	
DOE Order 5820.2A Chapter III, 3.h	Is the storage configuration in long term storage sufficient to meet the performance standard?	Y / N	
	Are records maintained at the facility enabling this waste to be traced from its origin?	Y / N	

Building Name: OSW Appraisers: Date:

Low-Level Waste and Transuranic Waste Checklist

Regulatory Guideline	Question	Response	Comments
TRU WASTE			
	Can any waste generated in, or from this building be characterized either through process knowledge or by analyses to determine if it is TRU waste? If no, note and stop. If yes, proceed with the next section.	Y / N	
	Are any of the materials noted as being TRU waste during an inspection? If no, note and stop. If the answer is yes, note the location of the management unit, and the method of management and proceed with the appropriate section below.	Y / N	N/A
DOE Order 5820.2A, Chapter II, 3.a	Was this material evaluated as soon as possible in the generating process, to determine if it is TRU (>100nCi/g), if it is recoverable, or if it is waste? (Note if the activity level is less than 100nCi/g, the waste is not TRU, and can be managed as LLW.)	Y / N	
	Did the determination of TRU radionuclide concentration include the mass of the container, including shielding? These should be included in calculating the specific activity of the waste.	Y / N	

9.21-27

Environmental Appraisal Checklist

Building Name: OSW Appraisers: Date:

Low-Level Waste and Transuranic Waste Checklist

Regulatory Guideline	Question	Response	Comments
DOE Order 5820.2A, Chapter II, 3.b	Has the TRU waste been assayed or otherwise evaluated to determine its radioactive content prior to storage?	Y / N	N/A
	Has the TRU waste been characterized or otherwise evaluated to determine if hazardous waste is present?	Y / N	
	Has classified TRU waste been treated to destroy the classified characteristics?	Y / N	
DOE Order 5820.2A, Chapter II 3.d	Has all newly generated TRU waste been packaged in non-combustible packaging that meets DOT requirements?	Y / N	
	Have all Type A TRU waste packages been equipped with a method to prevent pressure buildup?	Y / N	
	Have all TRU packages been marked, labeled and sealed in accordance with 40 CFR 261 Subpart C and 49 CFR 172 Subparts D, E and 49 CFR 173 Subpart I?	Y / N	

Building Name: OSW Appraisers: Date:

Low-Level Waste and Transuranic Waste Checklist

Regulatory Guideline	Question	Response	Comments
DOE Order 5820.2A, Chapter II 3.e	Has the TRU waste been segregated in manner that will not permit commingling of TRU waste with LLW or high-level waste?	Y / N	N/A
	Has the TRU waste been protected from unauthorized access?	Y / N	
	Has the TRU waste been monitored periodically to ensure that it is not releasing its radioactive and/or hazardous constituents?	Y / N	
	Has this TRU waste storage area been designed, constructed, maintained, and operated to minimize the possibility of fire, explosion, or accidental release of its radioactive and/or hazardous constituents?	Y / N	
	Does the facility have a contingency plan designed to minimize the adverse impacts of fire, explosion, or accidental release of its radioactive and/or hazardous constituents?	Y / N	

GENERAL COMMENTS:

9.21-29

Environmental Appraisal Checklist

Building Name: Appraisers: Date:

Waste Minimization/Pollution Prevention Activities Screening Checklist

Does this facility generate waste or use chemicals?	Y / N	If yes, conduct the following survey.

Waste Minimiaztion/Pollution Prevention Activities Checklist

Regulatory Guideline	Question	Response	Comments
	Based on available information and a walk through, are there any apparent opportunities to curtail the consumption of raw materials (including but not limited to paper, chemicals, electricity, and etc.). If yes, list candidate areas in the comment section.	Y / N	
	Are there solvent wastes?	Y / N	
	Is vehicle maintenance performed?	Y / N	
	Are oils used ?	Y / N	
	Are these corrosive wastes?	Y / N	
	Are there sludges?	Y / N	
	Are there halogenated organic (nonsolvent) wastes?	Y / N	
	Are metals recovered from wastewater?	Y / N	
	Is waste sludge generated?	Y / N	
	Are any waste minimization practices used that reduce the generation of sludge?	Y / N N/A	N/A
	Ion exchange process?	Y / N	
	Lead in gasoline lowered to reduce tank sludge toxicity?	Y / N	
	Storage tank agitators installed?	Y / N	
	Corrosive resistant materials used?	Y / N	
	Prevention of crude oil oxidation ?	Y / N	
	Drying?	Y / N	

Building Name: OSW Appraisers: Date:

Waste Minimization/Pollution Prevention Activities Checklist

Regulatory Guideline	Question	Response	Comments
HALOGENATED ORGANIC (NONSOLVENT) WASTES			
	Are halogenated organic wastes used as fuel in cement kilns?	Y / N	N/A
	Are baghouse filters used to collect pesticides and pesticide intermediates?	Y / N	
	Are solid wastes generated from the collection of baghouse dust?	Y / N	
	Wet instead of dry grinding used?	Y / N	
	The output spray dried?	Y / N	
	Has baghouse emptying and recycling of baghouse fines been scheduled?	Y / N	
	Have operations been evaluated to improve procedures such as handling, storage and spill prevention for increased efficiency?	Y / N	
METAL WASTES			
	Are any technologies for the recovering of metals from waste rinsewater used?	Y / N	N/A
	Evaporation of waste rinsewater?	Y / N	
	Reverse osmosis?	Y / N	
	Ion exchange?	Y / N	
	Electrolysis?	Y / N	
	Agglomeration?	Y / N	
CORROSIVE WASTES			
	Are acidic or basic cleaning solutions used as treatment for pH adjustment chemicals?	Y / N	N/A

9.21-31

Building Nan OSW Appraisers: Date:

9.21-32

Waste Minimization/Pollution Prevention Activities Checklist

Reg. Guideline	Question	Response	Comments
	Are ion exchange resins used to remove heavy metals and cyanides from acid and base solutions?	Y / N	N/A
	Is crystallization used to remove corrosives from solution by cooling?	Y / N	
	Is the process of evaporation of liquid wastes by heating used to leave behind a more concentrated solution?	Y / N	
CYANIDE AND REACTIVE WASTES			
	Has non-cyanide or low concentration of cyanide process replaced zinc cyanide bath ?	Y / N	
	Are any of these processes used to recycle cyanide wastes?	Y / N	
	Refrigeration/crystallization?	Y / N	
	Evaporation?	Y / N	
	Ion exchange?	Y / N	
	Membrane separation which includes reverse osmosis or electrodialysis?	Y / N	
VEHICLE MAINTENANCE			
	How are auto parts cleaned?	Y / N	
	Solvent sink?	Y / N	
	Solvent dunk bucket?	Y / N	
	Solvent dip tank?	Y / N	
	Are parts cleaning solvents used for anything else besides cleaning parts?	Y / N	
	Are spills reduced by locating sinks or dunk buckets near auto service bays?	Y / N	

Building Name: OSW Appraisers: Date:

Waste Minimization/Pollution Prevention Activities Checklist

Regulatory Guideline	Question	Response	Comments
	Are cleaned parts drained on the sink to minimize solvent spills?	Y / N	N/A
	Are drip tanks used to capture losses?	Y / N	
	Is a solvent sink used for mineral solvents rather than a dunk bucket or dip tank?	Y / N	
	Does a waste hauler collect solvent waste for recycling or treatment?	Y / N	
OILS			
	What kind of oils are used?		N/A
	Hydraulic oil?	Y / N	
	Transformer oil?	Y / N	
	Metal working fluids?	Y / N	
	Spent lubricating oils?	Y / N	
	Can the process be modified or changed to use water-based fluids?	Y / N	
	Are these good housekeeping and operation practices used to minimize oil waste production?		
	Use oils not contaminated with other liquids?	Y / N	
	Oil spills prevented?	Y / N	
	Drip pans installed?	Y / N	
	Oil soaked rags laundered?	Y / N	
	Rags and absorbants used to their limit?	Y / N	

9.21-33

Building Name: Appraisers: Date:

9.21-34

Waste Minimization/Pollution Prevention Activities Checklist

Regulatory Guideline	Question	Response	Comments
	Are these treatment techniques used to promote separation of oil/water wastes?		N/A
	Reclaiming process to remove water and solvents by heat?	Y / N	
	Gravity setting?	Y / N	
	Screening?	Y / N	
	Centrifugation?	Y / N	
	Filtration?	Y / N	✓
SOLVENT WASTES			
	Has there been an attempt to reduce volume or toxicity by:		
	Eliminating solvents?	(Y) / N	
	Reducing the use of solvents?	(Y) / N	
	Reducing the loss of solvents?	(Y) / N	
	Increasing recyclability?	(Y) / N	
	Are solvents segregated?	Y / (N)	
	Are waste solvents free from water and garbage?	(Y) / N	
	Are recycled solvent containers labeled as such?	Y / N	N/A
	Are containers kept closed?	(Y) / N	
	Free and sheltered from the elements?	(Y) / N	
	Are solvent tanks kept as free from contaminations as possible so that the waste can be recycled?	Y / N	N/A
	Is a method used to minimize the use of new materials such as a countercurrent process?	Y / N	N/A

Building Name: OSW Appraisers: Date:

Waste Minimization/Pollution Prevention Activities Checklist

Regulatory Guideline	Question	Response	Comments
	If there is a recycling program, what technique is used?	Y / N	
	Distillation?	Y / N	
	Solids removal?	Y / N	
	Dispersion breaking?	Y / N	
	Dissolved and emulsified organics recovery?	Y / N	
	Are any of these housekeeping procedures used to minimize the production of solvent wastes?		N/A
	Separators cleaned and checked?	Y / N	
	Parts not allowed to enter the degreaser while wet?	Y / N	
	Sludge from the bottom of the tank not allowed to accumulate?	Y / N	
	Lids kept on tanks?	Y / N	
	Freeboard space on tanks increased?	Y / N	
	Are better operating practices used to reduce waste?	Y / N	
	How long is solvent waste stored and where?	_____	

9.21-35

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M o u n d Electronic Message/AOS

From :William Whitelow

WHITWH

Dept. :Plant Engineering

Tel. No :3824

Date :22-Feb-1996 04:12pm EST

Subject :OSW & OSE Penthouse Access 2-22-96

TO :Visitor Control (VISITOR)

CC :Michael Merker (MERKMJ)

CC :John Hausfeld (HAUSJR)

CC :Eunice Warmoth (WARMEM)

Joy,

John Hausfeld [redacted] and Mike Merker [redacted] require temporary authorized access to the OSE and OSW penthouse card readers. This is necessary for IEMP audit activities. Please arrange for immediate access for the week of February 26th only. If you have any questions, please call me.

Thanks,

William H. Whitelow Jr.

Acting Property Manager

Northeast Main Hill Area

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9.21.6.2 Building Manager's Questionnaire

Building Manager's Questionnaire

Building Name: OSW Building Manager: W.H. Whitelow Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

1. What are the access requirements (training, clearance, etc.)?

2. What protective equipment is required to enter the building?

3. Are there any restricted areas? Yes No
   Where are they?

   PENTHOUSE AREA

4. Provide a physical description of the building.

Four-story, 52,280-ft² building constructed of concrete block with a brick face and aluminum windows and has a BUM roof (coal tar). HVAC services are central steam and chilled water. Building is not contaminated with radioactive or energetic materials.

Source: Mound Facility physical characterization 12-1-93

5. Provide a drawing of the building.

Attached.

6. What is the current building use?

Houses ~~plant-wide computer system~~ and computer-aided design (CAD) products, processes, and facilities; drawing control program management and administrative offices, environmentally-controlled rooms for computer operations, vaulted areas for storage of sensitive documents, and drawing management equipment including computer output microfiche (COM), document scanning, and drawing production.

Source: Mound Buildings, 5-9-95

7. What is the history of building use other than that described in #6?

   AT ONE TIME IT HOUSED THE PLANT WIDE COMPUTER SYSTEMS.

Source: Mound Buildings, 5-9-95

9.21-41

Building Manager's Questionnaire

Building Name: OSW Building Manager: W.H. Whitelow Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

8. What are ongoing operations or processes? What are the raw materials and waste streams from each process? Who is the best contact for each process?

Process(es) Housed: Offices, computer center, drawing production

How Wastes Are Generated:

On the third floor 16, 35, and 105 mm film is developed along with microfilm. Chemicals used are 3M CD-5 Developer, 3M Type 208 Fix Solution, Kodak 55 Developer, and Kodak 3001 Fixer. In the 105-mm film developing process, the film passes through the developer, a water bath, the fixer, and another water bath. One batch of chemicals is good for about 8 hours of processing. Processing is not continuous, so 8 hours of operation may be distributed over several days. When the chemicals are spent, the developer, fixer, and water from the two baths are put in 2- or 5-gal waste cans for pickup by Waste Management. Recron bleach is used to clean the machine that reproduces drawings on mylar. The bleach ~~evaporates.~~

The fourth floor photowaste comes from microfiche processing. Fluids required for this process are supplied in half-gallon jugs. These jugs are placed in the processing machine and connected to it so that the fluid can circulate through the machine and return to the jugs. After one week of processing, the jugs are replaced. Jugs containing used fluid are put in a box labeled "Photowaste," and Waste Management picks them up. Occasionally, a new box of fluid will be found to be unacceptable. It is also left for pickup by Waste Management.

GONE

Contact:
Phone #:

Source: Characterization of Mound's Hazardous, Radioactive, and Mixed Wastes, (8-15-90).

Building Manager's Questionnaire

Building Name: OSW Building Manager: W.H. Whitelow Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

9. In the last six months, have any modifications been made to the building or to processes in the building? Yes No

10. Does the building have air emission sources? No

Process Source	Room Number	Hood Number	Active	Chemicals Used	Quantity Used	Quantity to Waste Management	Lbs./Yr. Operation	Air Emissions
			Y / N					
			Y / N					
			Y / N					
			Y / N					
			Y / N					

Source: Mound Air Emissions Database 11/30/95

9.21-43

Building Manager's Questionnaire

Building Name: OSW Building Manager: W.H. Whitelow Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

11. Describe air pollution control equipment used to reduce emissions for each source. None Listed

Process Source	Emissions	Control Equipment	Functioning
			Y / N
			Y / N
			Y / N
			Y / N
			Y / N

Source: Air Permits 2/4/95

12. For existing permits are emissions monitored? At what frequency? Where are the records maintained? None Listed

Process Source	Permit	Log	Permit Conditions & Frequency of Monitoring
		Y / N	
		Y / N	
		Y / N	
		Y / N	
		Y / N	

Source: Air Permits 2/4/95

13. Does the building have domestic water service? Yes No
Is there bottled water? Yes No

14. Does the building discharge to the storm sewer? Yes No
Where? RAIN WATER FROM ROOF

15. Does the building discharge to the sanitary sewer? Yes No
Where? LAVS, TOILETS, FLOOR DRAINS

16. Has an asbestos survey been conducted? Yes
What are the results? Yes

Source: Technical Manual MD-10391, Issue 3 Asbestos Program Manual 9/6/95

Building Manager's Questionnaire

Building Name: OSW Building Manager: W.H. Whitelow Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

17. Does the building contain transformers or capacitors? No

Source: PCB ANNUAL DOCUMENT LOG

18. Has the building been identified as containing PCBs? NO

Source: PCB ANNUAL DOCUMENT LOG

19. What chemicals are used or stored inside or outside of the building? Include compressed gasses not in large tanks.

Chemical Name	State	Amount (MAX)
AMMONIA ABSORBER	S	10/LB
DEVELOPER CD-5	L	40/L
FIXER TYPE 028	L	90/L
PREMIXER DEVELOPER TYPE 852	L	120/ML
ISOPROPYL ALCHOL	L	1/PT
LASER PLOTTER 8836 DEVELOPER	S	1.5/GA
LASER PLOTTER 8836 FUSER OIL	L	5.4/L
CRT SCREEN CLEANER	L	8/OZ
SPRAY ADHESIVE	L	27/OZ.

Source: Chemical Inventory 1994

9.21-45

Building Manager's Questionnaire

Building Name: OSW Building Manager: W.H. Whitelow Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

20. Has there been a reported spill, leak, or other release of any chemical? Yes (No)
What, how much, and what clean-up measures were followed?

Chemical	Amount	Clean-up Measures

Source: _____

21. Where do waste chemicals go?

WASTE NOT PICK UP

22. What janitorial supplies are stored inside or outside of the building?

ATTACHED

23. Where do excess janitorial supplies go?

OSW 329
OSW 452

Source: _____

24. Are pesticides or herbicides stored or used in or around the building? (Yes) No

Chemical	Amount	Chemical	Amount
ATTACHED			
ROUNDUP	AS NEEDED		

Source: INV.
HYGIENE

9.21-46

ecord#	COMMON	CHEMICAL
1	BLUE MAX SPRAY BUFF	BLUE MAX SPRAY BUFF
2	CLEAN-N-DRY	CLEAN-N-DRY
3	CLR WINDOW	CLR WINDOW
4	CONQUEST	CONQUEST
5	DD/85 SPRAY	DD/85 SPRAY
6	DMQ	DMQ
7	DUO-POWDER	DUO-POWDER
8	FLOOR FINISH/ABOVE	FLOOR FINISH/ABOVE
9	FOUNTAIN HEAD	FOUNTAIN HEAD
10	GLOSS-EXTENDERA	GLOSS-EXTENDERA
11	GREASE-BE-GONE	GREASE-BE-GONE
12	HEAD START	HEAD START
13	INSECT SPRAY/CHERRY	INSECT SPRAY/CHERRY
14	INSECTICIDE/WAS	INSECTICIDE/WAS
15	KINDEST CARE	KINDEST CARE
16	LAVA HAND SOAP	LAVA HAND SOAP
17	LIL BROTHER SAM	LIL BROTHER SAM
18	NABC	NABC
19	NEUT. FLOOR CORP.	NEUT. FLOOR CORP.
20	ODOR BANE	ODOR BANE
21	ON-BASE SEALER	ON-BASE SEALER
22	ONE-STEP/SURE BET	ONE-STEP/SURE BET
23	POLISH/LEMON	POLISH/LEMON
24	PUMMEL HAND SOAP	PUMMEL HAND SOAP
25	RINSE FREE/STRIP	RINSE FREE/STRIP
26	SBS-61 LOTION SOAP	SBS-61 LOTION SOAP
27	SCRUB-ENDER	SCRUB-ENDER
28	SEAL, CON-SEAL	SEAL, CON-SEAL
29	SEALER/IRONSTONE	SEALER/IRONSTONE
30	SHINELINE BASE	SHINELINE BASE
31	SNAPOUT	SNAPOUT
32	SPIN-OUT	SPIN-OUT
33	SPOT, PILE DRIVER	SPOT, PILE DRIVER
34	SPOTTER, PULL OUT	SPOTTER, PULL OUT
35	STAINLESS CLEANER	STAINLESS CLEANER
36	STATCIDE, GP	STATCIDE, GP
37	STRIPPER, ZIP	STRIPPER, ZIP
38	SURFACE GLEEM	SURFACE GLEEM
39	TREATMENT/DUST	TREATMENT/DUST
40	TRIPLE SSS	TRIPLE SSS
41	VESTA POWER	VESTA POWER
42	WINDOW SHINE	WINDOW SHINE

Cus Todial Chemical list

9.21-47

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12-95

☐ INITIAL SERVICE
☑ REGULAR SERVICE
☐ EXTRA SERVICE

TERMINIX.

TERMITE and PEST CONTROL

COPY

COMMERCIAL SERVICE AND INSPECTION REPORT

BRANCH	ACCOUNT	RT	TELEPHONE	GRID	S DAY	F	T	PRODUCTION	TIME IN	TIME O
2416	006092-	07	000/000-0000 513/865-3921	E30 -	2FR	S	P	00004570 09	7:00 AM	5:15

SERVICE PROPERTY AT	BRANCH
E O R O MOUND P. O. #38224 MOUND AVE MIAMISBURG OH 45342-0000	TERMINIX INTERNATIONAL 4712 PAYNE AVENUE DAYTON OH 45414-0000 513/274-5800

OPERATOR NAME & CERTIFICATION NUMBER: [illegible] 1207

SUPERVISOR NAME & CERTIFICATION NUMBER: DANIEL J. STECK #1207

TARGET PEST(S): ☐ T2 Cockroaches ☑ T18 Rats ☐ Other: ____
☐ T3 Ants ☐ T19 Mice ☐ Other: ____

SERVICE AREAS:	INSPECTED	TREATED
☑ C1 FOOD AREAS:	☐	☐
☐ C2 OFFICES:	☐	☐
☑ C3 STORAGE/UTILITY:	☐	☐
☐ C4 PUBLIC AREAS:	☐	☐
☐ C5 REST ROOMS:	☐	☐
☐ C6 EXTERIOR AREAS:	☐	☐
☐	☐	☐
☐	☐	☐

PESTICIDE(S) TO BE APPLIED	EPA'S	T/C	AMOUNT	E
☐ P24 PT279 Engage (Chlorpyrifos) 0.5%	499-292			
☑ ~~P10~~ PT565 + XLO (Pyrethrin) 0.5%	499-310	C		
☐ P04 Dursban L.O. (Chlorpyrifos) 0.5%	62719-55			
☑ ~~P11~~ Conquer (Esfenvalerate) 0.05%	1021-1565-57076	C		
☐ P23 Tempo 20 WP (Cyfluthrin) 0.05%	3125-380			
☐ P06 Ficam W (Bendiocarb) 0.5%	45639-1			
☐ P21 Knox-Out 2FM (Diazinon) 1%	4581-335-AA-499			
☐ P07 Gentrol (Hydroprene) 0.125%	2724-304-50809			
☐ P12 Precor (Methoprene) 0.008%	2724-352-50809			
☑ ~~P02~~ Drione Dust (Silica/Pyrethrin) 1%	4816-353AA			
☐ P05 Ficam D (Bendiocarb) 1%	45639-3			
☐ P03 Dursban G (Chlorpyrifos) 0.5%	10370-36-432			
☐ P08 Maxforce Bait (Hydramethylnon) 1.65%	64248-1			
☐ P27 Avert Roach Bait (Avermectin) 0.05%	499-294			
☐ P09 PT270 Dursban (Chlorpyrifos) 0.5%	499-147			
☐ P25 PT280 Orthene (Acephate) 1%	499-230			
☐ P26 Maxforce Gel (Hydramethylnon) 2.15%	64248-5			
☐ P14 Ditrac All Weather Cake (Diphacinone) 0.005%	12455-5			
☐ P20 Talon G (Brodifacoum) 0.005%	10182-38			
☐ P47 Contrac Blox (Bromadiolone) 0.005%	12455-79			
☐ P34 Ditrac Bait Pack (Diphacinone) 0.005%	12455-19			
☐ P16 Glue Boards				
☐ P17 Ketch-All/Tin Cat				
☐ P19 Snap Traps				

TREATMENT CODE:
C = Crack & Crevice
S = Spot
G = General
T = Space Treatment
B = J Band

Supervisor's Comments: ☐ Treat for Infestation/Prevention or Inspect areas indicated.

EQUIP. CODE
F = Fogger
HD = Hand Dust
B&G = Comp. Air

SPECIAL SERVICE INSTRUCTIONS

SER. OLD CAFE, SMPP, GUARDS REST ROMS AND BASINS IN MEDICAL AREA
P. O. # 38224

BALANCE AS OF NOVEMBER 29
DEC CHARGE
SALES TAX
TOTAL DUE

9.21-49

CUSTOMER'S SIGNATURE: [illegible]

SERVICE TECHNICIAN'S SIGNATURE: [illegible] DATE: 12-15-95

AMOUNT PAID: ____ CASH ☐ CHECK ☐

12-95

☐ INITIAL SERVICE
☑ REGULAR SERVICE
☐ EXTRA SERVICE

TERMINIX.

TERMITE and PEST CONTROL

COPY

COMMERCIAL SERVICE AND INSPECTION REPORT

BRANCH	ACCOUNT	RT	TELEPHONE	GRID	S DAY	F	T	PRODUCTION	TIME IN	TIME O
2410	006093-	07	000/000-0000 513/865-4585	E00 -	2FR	S	P	0000000 09	7:00AM	8:25

SERVICE PROPERTY AT

E O & G MOUND
EARNIE HAYES 865-4310
MOUND AVENUE
MIAMISBURG OH 45342-0000

BRANCH

TERMINIX INTERNATIONAL
4712 PAYNE AVENUE
DAYTON OH 45414-0000
513/274-5800

OPERATOR NAME & CERTIFICATION NUMBER

[illegible] 1407

SUPERVISOR NAME & CERTIFICATION NUMBER

DANIEL J. STECK #1207

TARGET PEST(S): ☑ T2 Cockroaches ☑ T18 Rats ☐ Other: _____
☑ T3 Ants ☐ T19 Mice ☐ Other: _____

SERVICE AREAS	INSPECTED	TREATED	PESTICIDE(S) TO BE APPLIED		EPA'S	T/C	AMOUNT
☐ C1 FOOD AREAS:	☐	☐	☐ P24	PT279 Engage (Chlorpyrifos) 0.5%	499-292		
			☑ P10	PT565 + XLO (Pyrethrin) 0.5%	499-310		
			☐ P04	Dursban L.O. (Chlorpyrifos) 0.5%	62719-55		
☐ C2 OFFICES:	☐	☐	☑ P11	Conquer (Esfenvalerate) 0.05%	1021-1565-57076	C	
			☐ P23	Tempo 20 WP (Cyfluthrin) 0.05%	3125-380		
			☐ P06	Ficam W (Bendiocarb) 0.5%	45639-1		
			☐ P21	Knox-Out 2FM (Diazinon) 1%	4581-335-AA-499		
☐ C3 STORAGE/UTILITY	☐	☐	☐ P07	Gentrol (Hydroprene) 0.125%	2724-304-50809		
			☐ P12	Precor (Methoprene) 0.008%	2724-352-50809		
			☑ P02	Drione Dust (Silica/Pyrethrin) 1%	4816-353AA	C	2
☐ C4 PUBLIC AREAS:	☐	☐	☐ P05	Ficam D (Bendiocarb) 1%	45639-3		
			☐ P03	Dursban G (Chlorpyrifos) 0.5%	10370-36-432		
			☐ P08	Maxforce Bait (Hydramethylnon) 1.65%	64248-1		
			☐ P27	Avert Roach Bait (Avermectin) 0.05%	499-294		
☐ C5 REST ROOMS:	☐	☐	☐ P09	PT270 Dursban (Chlorpyrifos) 0.5%	499-147		
			☐ P25	PT280 Orthene (Acephate) 1%	499-230		
			☐ P26	Maxforce Gel (Hydramethylnon) 2.15%	64248-5		
☐ C6 EXTERIOR AREAS:	☐	☐	☐ P14	Ditrac All Weather Cake (Diphacinone) 0.005%	12455-5		
			☐ P20	Talon G (Brodifacoum) 0.005%	10182-38		
			☐ P47	Contrac Blox (Bromadiolone) 0.005%	12455-79		
			☐ P34	Ditrac Bait Pack (Diphacinone) 0.005%	12455-19		
☐	☐	☐	☐ P16	Glue Boards			
			☐ P17	Ketch-All/Tin Cat			
			☐ P19	Snap Traps			
☐	☐	☐					

TREATMENT CODE:
C = Crack & Crevice
S = Spot
G = General
T = Space Treatment
B = 3' Band

Supervisor's Comments: ☐ Treat for Infestation/Prevention or Inspect areas indicated.

EQUIP. CODE
F = Fogger B = [illegible]
HD = Hand Dust A = [illegible]
B&G = Comp. Air T = [illegible]

SPECIAL SERVICE INSTRUCTIONS

GENERAL PC , C-BLDG. A-BLDG, MEDICAL, GH BLDG
SM CAFETERIA.(MONTHLY) -- OS-EAST CAFETERIA,
NEW CAFETERIA ONLY , PO #38224

BALANCE AS OF
NOVEMBER 29
DEC CHARGE
SALES TAX
TOTAL DUE

9.21-50

CUSTOMER'S SIGNATURE [illegible]

SERVICE TECHNICIAN'S SIGNATURE

DATE

AMOUNT PAID

CASH

Building Manager's Questionnaire

Building Name: OSW Building Manager: W.H. Whitelow Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

25. Does the building contain active or inactive above ground storage tanks? Yes (No)
For each tank, list the content, quantity, last inspection, registration number.

Registration Number	Content	Quantity	Last Inspection Date	Preventive Maintenance Performed	Inside Or Outside
	NITROGEN	1500 GAL		Y/N	
7782-37-9	NITROGEN	03C		Y/N	OUTSIDE
				Y/N	

TANKS MAY HAV BEE RE

Source: Emergency and Hazardous Chemical Inventory Form - Chemical Storage Tanks on EGG Mound Site Owned and Maintained by Outside Contractors 8/8/94

26. Is there a sump or pit or underground tank in or around the building?
(Yes) No Unknown
Is it double-walled? What does it contain? SEWAGE How many days per year is it filled? N/A
Is there an emergency overflow tank? Have there been previous overflows?
Unknown NO? NO?

Double-Walled	Contents	Days/Year in Use	Overflow Tank	Previous Overflow
Y / N			Y / N	Y / N

Source: _____

27. Does the building generate, store, or dispose of hazardous waste? Yes (No)

Materials	Amount
Attached	

Source: Characterization of Mounds Hazardous, Radioactive, and Mixed Wastes 08/15/90

9.21-51

OSW-311	PHOTO WASTE	D011	297.0
OSW-330	3M CHEMPAC FIXER	NONE	144.6
OSW-330	3M WASH ADDITIVE	D002	6.6
[illegible]330	ACETIC ACID	D002	1.[illegible]
OSW-330	ACETIC ACID, ALUMINUM CHLORIDE	D002	5.[illegible]
OSW-330	CONQUEST	D002	3.3
OSW-330	DUPONT FIXER HARDENER	D002	10.9
OSW-330	DUPONT HARDENER	NONE	10.7
OSW-330	FIXER	D002	2.7
OSW-330	KODAK DEVELOPER REPLENISHER PART B	NONE	12.5
OSW-330	KODAK DEVELOPER REPLENISHER PART C	D002	12.[illegible]
OSW-330	LIQUID PLUMBER	D001 D002	[illegible]5
OSW-330	PHOTO WASTE	D002 D011	290.1
OSW-330	PHOTO WASTE	D002	102.9
OSW-330	PHOTO WASTE	D002	213.0
OSW-330	PHOTO WASTE	D002	165.0
OSW-330	PHOTO WASTE	D002	293.2
OSW-330	PHOTO WASTE	D002	302.7
OSW-330	PHOTO WASTE	D002 D003 D011	160.6
OSW-330	PHOTO WASTE	D002 D003	296.7
OSW-330	PHOTO WASTE	D002 D003	177.1
OSW-330	PHOTO WASTE	D006 D007 D011	235.0
OSW-330	PHOTO WASTE	D006 D007 D011	291.2
OSW-330	PHOTO WASTE	D006 D007 D011	81.9
OSW-330	PHOTO WASTE	D006 D007 D011	332.0
OSW-330	POTASSIUM HYDROXIDE	D002	11.6
OSW-330	SODIUM HYPOCHLORITE	NONE	9.8
OSW-330	SODIUM HYPOCHLORITE, <7%	NONE	2.9
[illegible]404	AMMONIUM HYDROXIDE	D002	6.7
[illegible]404	AMMONIUM HYDROXIDE	D002	3.4
OSW-404	AQUA AMMONIA	D002	3.5
OSW-404	AQUA AMMONIA	D002	3.0
OSW-404	AQUA AMMONIA	D002	3.0
OSW-404	AQUA AMMONIA	D002	3.3
OSW-404	AQUA AMMONIA	D002	3.5
OSW-404	AQUA AMMONIA	D002	3.7
OSW-404	AQUA AMMONIA	D002	2.2
OSW-404	AQUA AMMONIA	D002	10.3
OSW-404	CALCOMP TONER	D001	6.0
OSW-404	CALCOMP TONER	D001	6.0
OSW-404	CALCOMP TONER	D001	9.2
OSW-404	CALCOMP TONER	D001	8.0
OSW-404	PHOTO WASTE	D002 D003 D011	226.1
OSW-404	PHOTO WASTE	D002 D003 D011	264.1
OSW-404	PHOTO WASTE	D003 D011	295.0
OSW-404	PHOTO WASTE	D011	301.6
OSW-404	PHOTO WASTE	D011	298.2
OSW-404	PHOTO WASTE	D011	200.0
OSW-404	PHOTO WASTE	D011	308.2
OSW-404	PHOTO WASTE	D011	252.4
OSW-450	TONER MIX BLACK	D001	5.3
OSW-450	TONER MIX BLUE	D001	4.5
OSW-450	TONER MIX RED	D001	4.1
OSW-450	TONER MIX YELLOW	D001	4.3
[illegible]450	TONER REPLENISHER BLACK	D001	0.4

OSW-311	PHOTO WASTE	D011	293.6
OSW-311	PHOTO WASTE	D002	301.0
OSW-311	PHOTO WASTE	D002	301.0
OSW-311	PHOTO WASTE	D002 D003 D011	289.0
OSW-311	PHOTO WASTE	D011	240.0
OSW-311	PHOTO WASTE	D011	18.8
311	PHOTO WASTE	D011	310.5

OSW-450	TONER REPLENISHER BLUE	D001	0.9
OSW-450	TONER REPLENISHER RED	D001	0.8
OSW-450	TONER REPLENISHER YELLOW	D001	0.6

Building Manager's Questionnaire

Building Name: OSW Building Manager: W.H. Whitelow Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

28. Does the building have abandoned process equipment such as tanks, piping, containers, etc.? Yes (No)

29. Is waste material stored in or around the building for more than 90 days?
Yes (No)

30. Has the building been identified as a 90-day waste accumulation area?
Yes (No)

31. Has any area in the building been identified as a satellite accumulation area?
(Yes) No

32. Is mixed waste generated, stored, or disposed of from the building? Yes (No)
Where are logs found?

Process	Waste	Stored	Disposed	Logs
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N

Source: _____

9.21-54

Building Manager's Questionnaire

Building Name: OSW Building Manager: W.H. Whitelow Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

33. Is TRU radioactive waste generated, stored, or disposed of from the building?
Yes No
Where are logs found?

Process	Waste	Stored	Disposed	Logs
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N

Source: _____

9.21-55

Building Manager's Questionnaire

Building Name: OSW Building Manager: W.H. Whitelow Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

34. Is low-level radioactive waste generated, stored, or disposed of from the building? Yes (No)
Where are logs found?

Process	Waste	Stored	Disposed	Logs
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N

Source: _____

35. Identify all administrative orders, temporary or permanent injunctions, civil administrative penalties, or criminal activities issued against the building.

Building Manager's Questionnaire

Building Name: OSW Building Manager: W.H. Whitelow Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

36. Is there a waste minimization program in the building? (Yes) No
Discuss your ideas about how to minimize waste.

MOUND WASTE MGT PROGRAM

37. Has a pollution prevention program been developed for the building? Yes (No)

9.21-57

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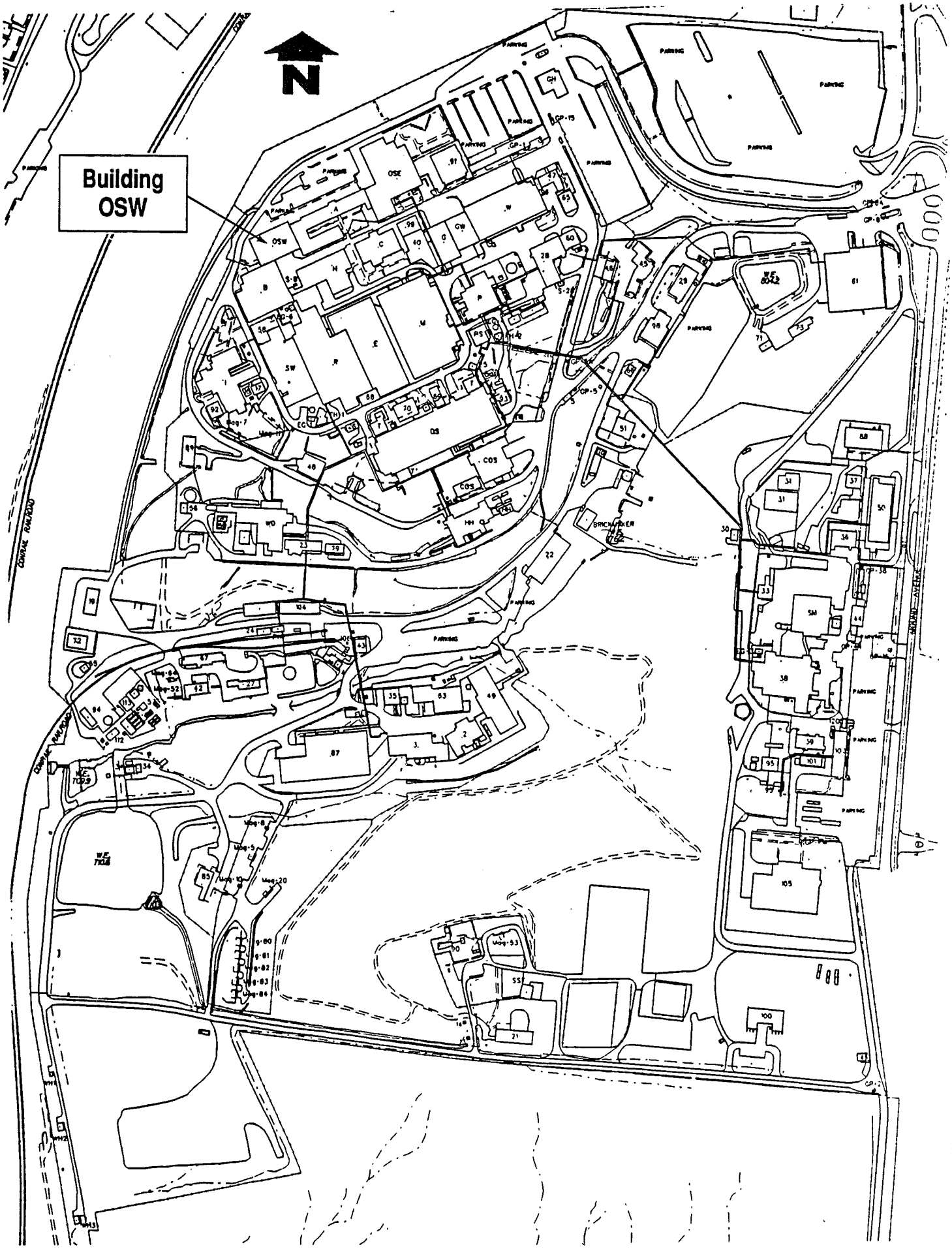
9.21.6.3 Location of Building OSW



SOURCE: Operable Unit 9, Site Scoping Report: Volume 7-Waste Management Mound Plant, 7-92

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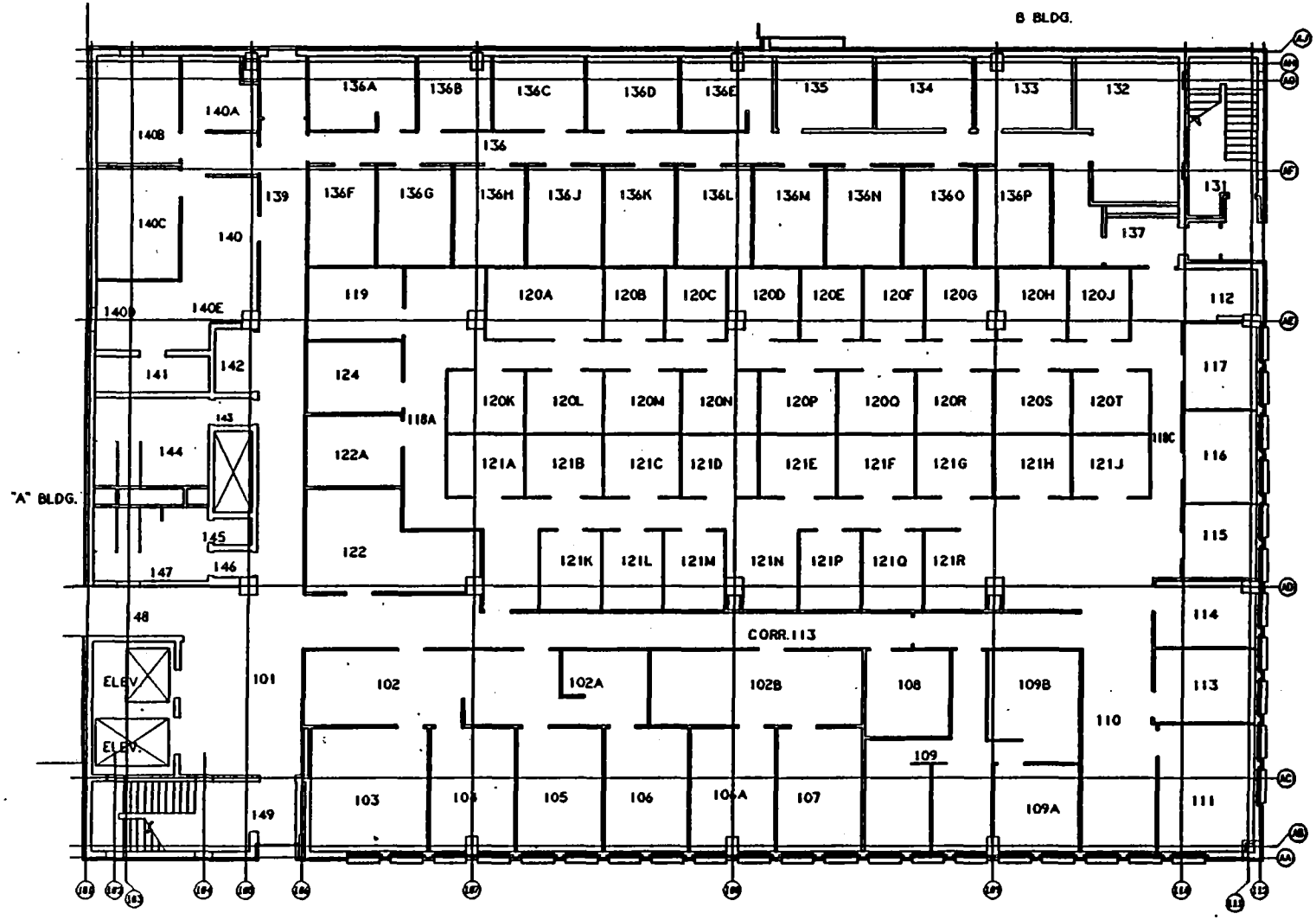
9.21.6.4 Floor Plans for Building OSW

REV	DATE	REVISION	BY	CHKD	ENG	UNIT	APVD	R
Ø	12/12/91	ASBUILT ISSUE	DCW				DVD	



UNCLASSIFIED

DERIVATIVE CLASSIFIER

(Name)

Sr. Class. Anal. 2/20/96

(Title) (Date)

0 3' 6' 18' 28'

OSW BLDG
FIRST FLOOR
BLDG CODE:2537

9.21-65

APPROVALS: DATE:
SAFETY COMMITTEE REQUIRED:
___NONE ___TRUEBOC ___TEBOC ___EHBOC
TECH. REQ. ___
GR. MGR. ___
TRUEBOC ___
TEBOC ___
EHBOC ___

NOT FOR PUBLIC DISSEMINATION

MAY CONTAIN UNCLASSIFIED CONTROLLED NUCLEAR INFORMATION SUBJECT TO SECTION 148 OF THE ATOMIC ENERGY ACT OF 1954, AS AMENDED (42 USC 2168). APPROVAL BY THE DEPARTMENT OF ENERGY PRIOR TO RELEASE IS REQUIRED.

DESIGN ENG | PROJ MGR
SPONS | DES REPV
LP & EC | PROD REV
CHG MGR
APVD | DATE

SHEET	1	2	3	4	5	6
ISSUE	Ø	Ø	Ø	Ø	Ø	

PART CLASSIFICATION

TITLE (U) TITLE CLASSIFICATION
OSW BLDG
FLOOR PLANS

DRAWING CLASSIFICATION: UCNI
SIZE: C
DRAWING NUMBER: FSC911316
JOB NUMBER: 12335
DWG TYPE: SFP
FROM: OSW BLDG
CHKD: 14065
SCALE: AS NOTED
SHEET 1 OF 5
STATUS: MD-REL-12/12/91
ORIGIN: MD-BR3-V3.J

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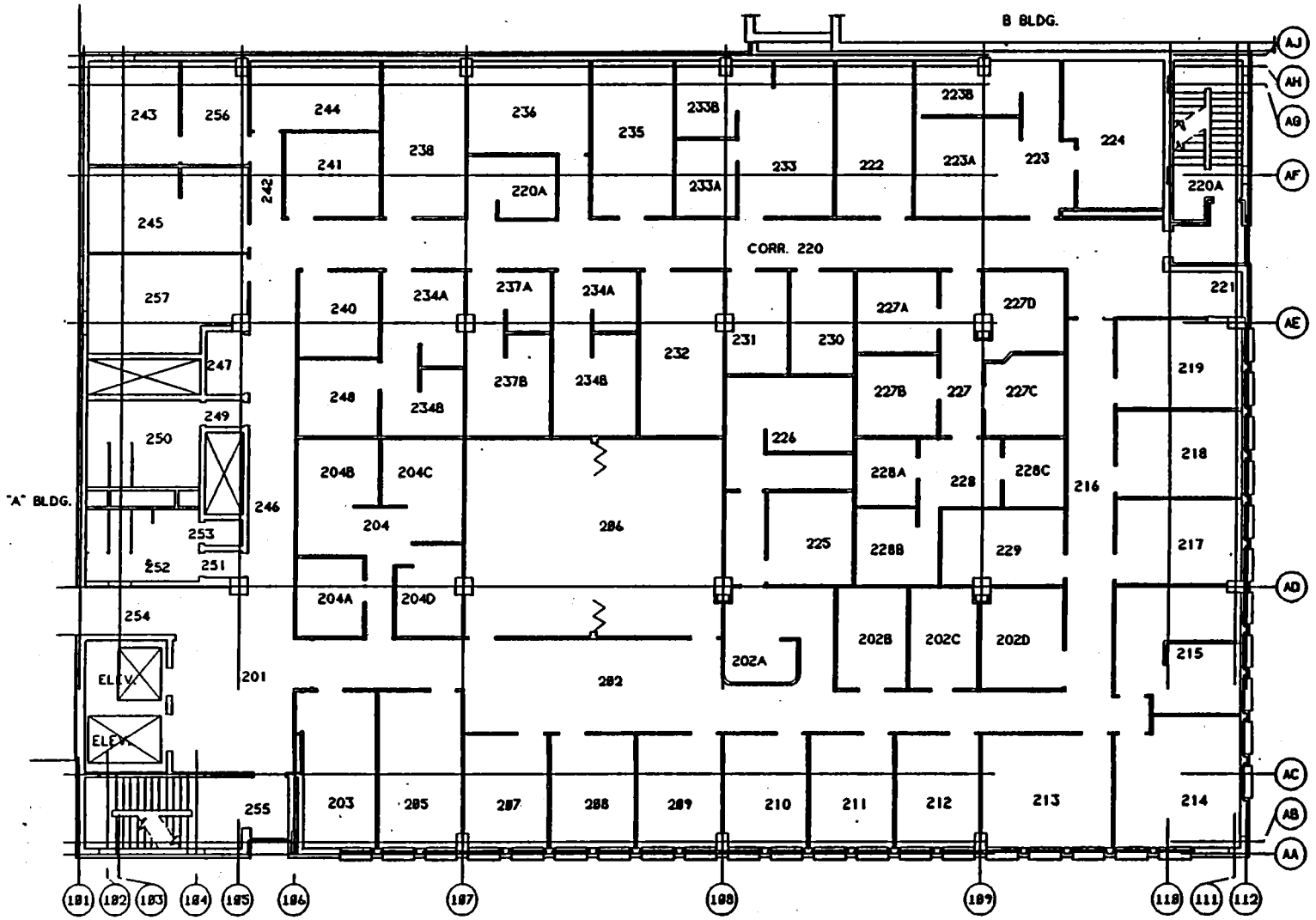

OSW BLDG
SECOND FLOOR
BLDG CODE:3537

DRAWING NUMBER FSC911316	JOB NUMBER 12335
DRAWING CLASSIFICATION UNCLASSIFIED	
SIZE C	CODE 14865 / SCALE AS NOTED
	ISSUE 0 / SHEET 2
STATUS MD-REL-12/12/91	

<9.21-67

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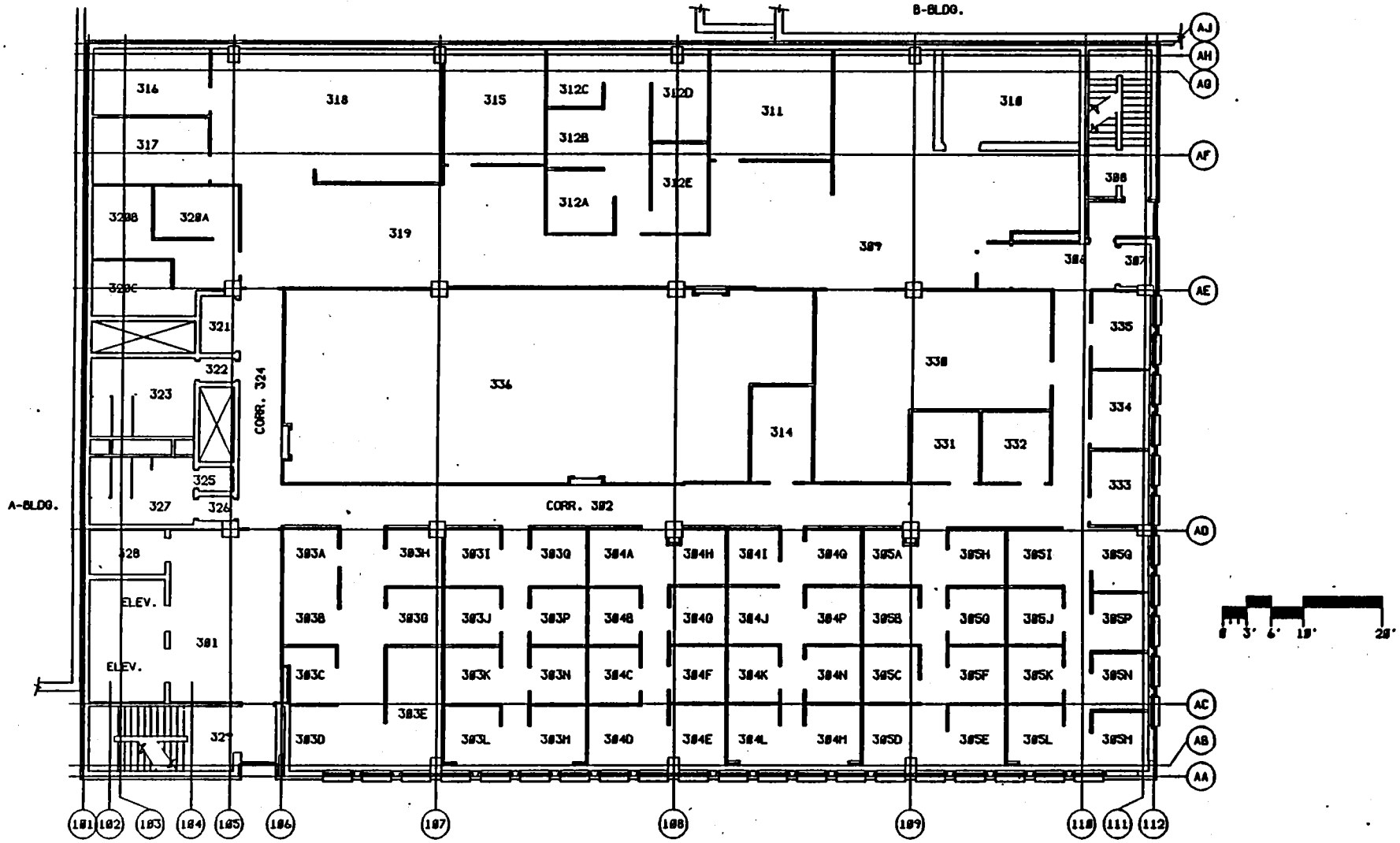

OSW BLDG
THIRD FLOOR
BLDG CODE:3537

DERIVATIVE CLASSIFIER

1. [illegible]
Sr. Class. Appd. 2/20/96
(Title) (Date)

NOT FOR PUBLIC DISSEMINATION

MAY CONTAIN UNCLASSIFIED CONTROLLED NUCLEAR INFORMATION SUBJECT TO SECTION 148 OF THE ATOMIC ENERGY ACT OF 1954, AS AMENDED (42 USC 2168). APPROVAL BY THE DEPARTMENT OF ENERGY PRIOR TO RELEASE IS REQUIRED.

DRAWING NUMBER	FSC911316
JOB NUMBER	12335
DRAWING CLASSIFICATION	UCNI
SIZE	C
CODE	14065
SCALE	AS NOTED
TOPIC	B
SHEET	3
STATUS	MD-REL-12/12/91

9.21-69

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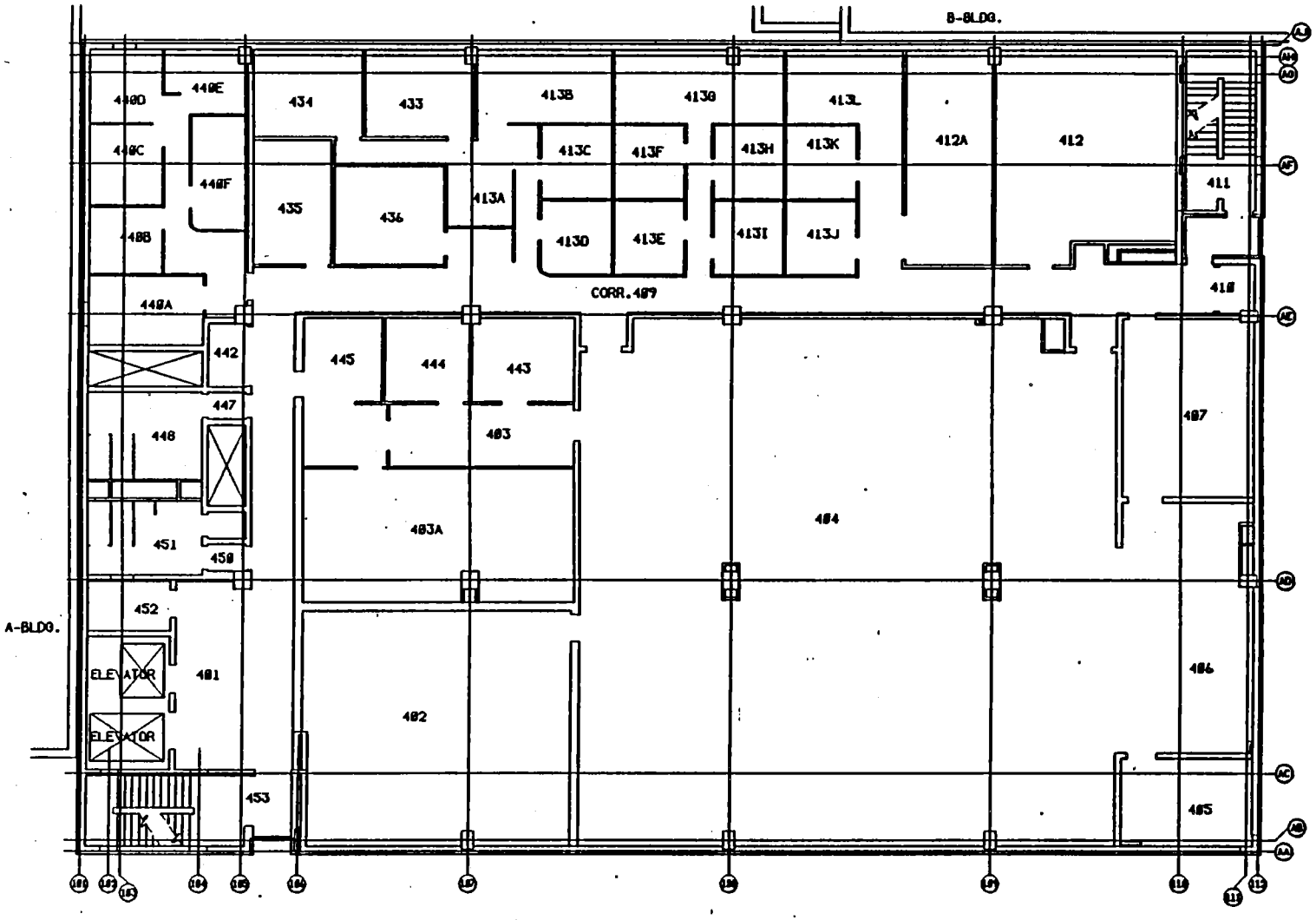

OSW BLDG
FOURTH FLOOR
BLDG CODE:3537

DERIVATIVE CLASSIFIER

(Title) (Date)

NOT FOR PUBLIC DISSEMINATION

MAY CONTAIN UNCLASSIFIED CONTROLLED NUCLEAR INFORMATION SUBJECT TO SECTION 148 OF THE ATOMIC ENERGY ACT OF 1954, AS AMENDED (42 USC 2168). APPROVAL BY THE DEPARTMENT OF ENERGY PRIOR TO RELEASE IS REQUIRED.

DRAWING NUMBER	FSC911316
JOB NUMBER	12335
DRAWING CLASSIFICATION	UCNI
SIZE	C
CODE	14865
SCALE	AS NOTED
ISSUE	0
SHEET	4
STATUS	MD-REL-12/12/91

9.21-71

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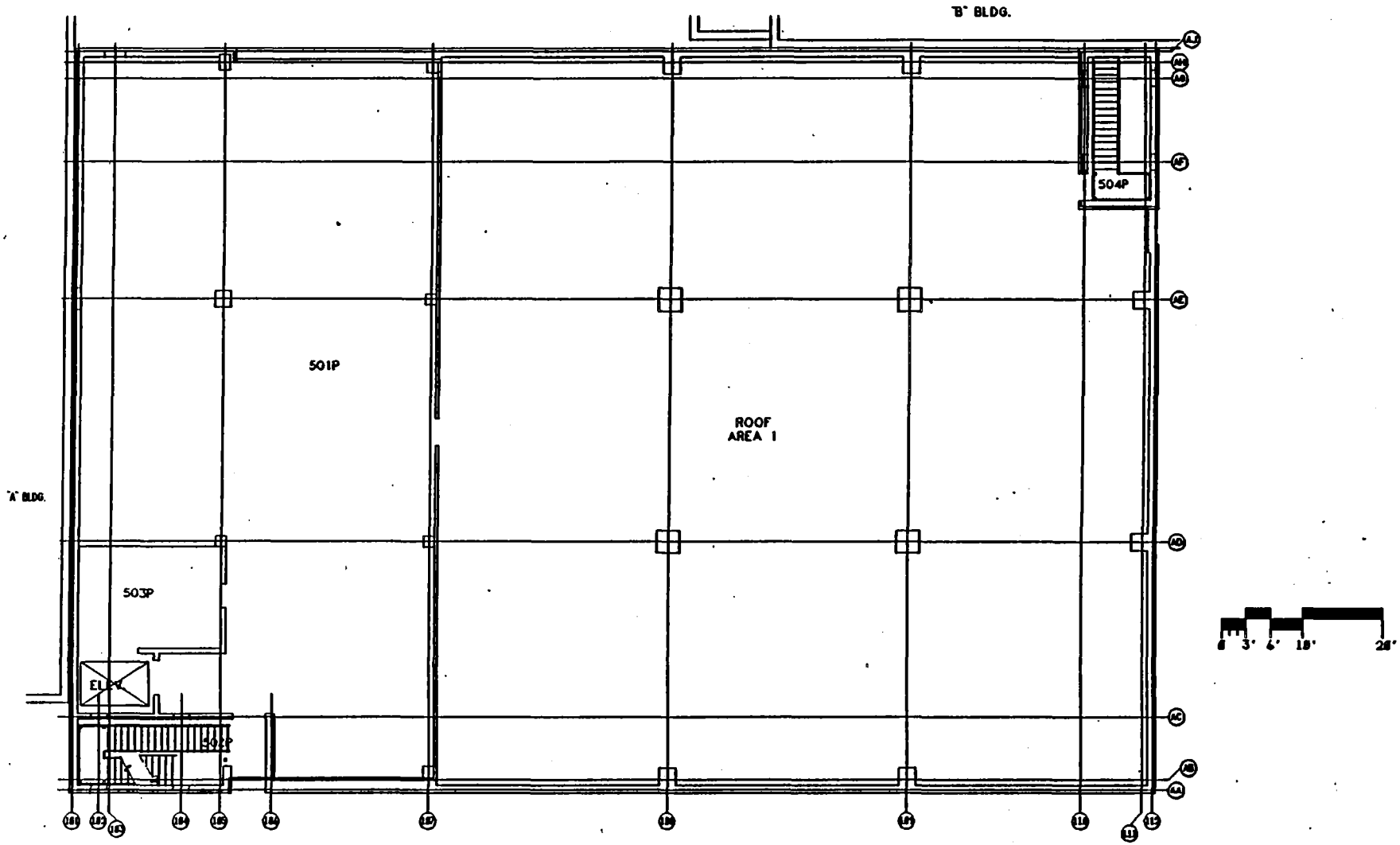

OSW BLDG
PENTHOUSE
BLDG CODE:3537

DRAWING NUMBER FSC911316	JOB NUMBER 12335
DRAWING CLASSIFICATION UNCLASSIFIED	
SIZE C / CODE 14865	SCALE AS NOTED
ISSUE 0	SHEET 5
STATUS MD-CREL-12/12/91	

9.21-73

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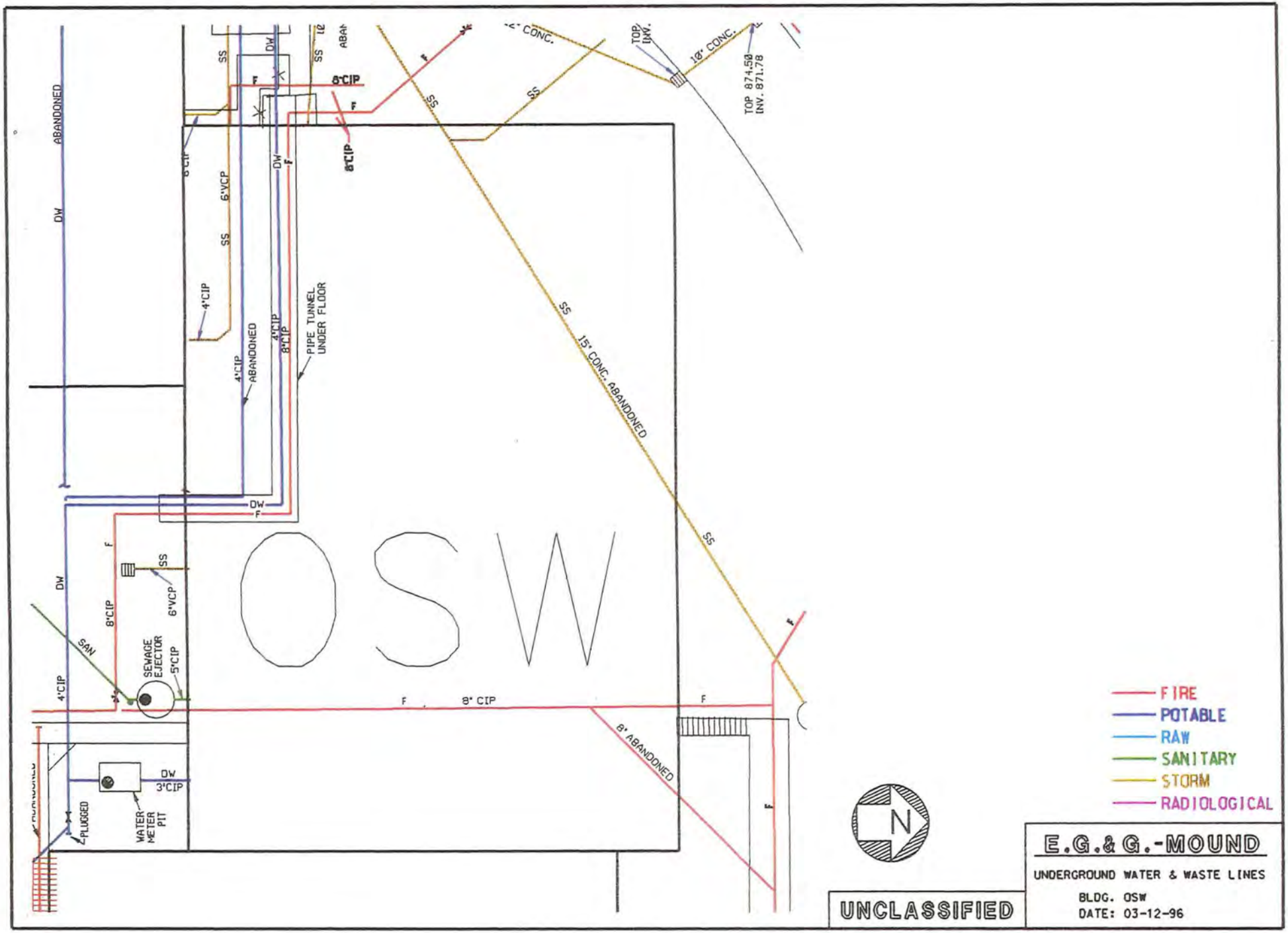
9.21.6.5 Underground Utility Lines


OSW
ABANDONED
DW
SS
F
8"CIP
6"VCP
4"CIP
ABANDONED
PIPE TUNNEL UNDER FLOOR
15" CONC. ABANDONED
10" CONC.
TOP INV.
TOP 874.50
INV. 871.78
SAN
SEWAGE EJECTOR
5"CIP
8" CIP
8" ABANDONED
3"CIP
WATER METER PIT
PLUGGED
FIRE
POTABLE
RAW
SANITARY
STORM
RADIOLOGICAL
N
E.G.&G.-MOUND
UNDERGROUND WATER & WASTE LINES
BLDG. OSW
DATE: 03-12-96
UNCLASSIFIED

9.21.6.6 Photographs

Mound Plant Building OSW

9.21-81

9.22 Building P

9.22 BUILDING P

9.22.1 Scope of Building P Report

In late 1995 and the early months of 1996, EG&G MAT performed a review of environmental conditions at the Mound Plant. The purpose was to develop a performance baseline, and to identify areas for improvement on a building and a sitewide basis. EG&G MAT did not perform a "due diligence" or Phase I Environmental Site Assessment as specified by ASTM 1527 or ASTM 1528. The scope of the appraisal effort and a discussion of the appraisal methodology are detailed in Sections 2.0 and 5.0, found in Volume 1 of this report.

The appraisal team performed a walk-through of Building P on the morning of January 24, 1996. The Environmental Appraisal Checklist (EAC) (Attachment 1—Section 9.22.6.1) was used to record findings. The appraisers were accompanied by the building manager and the process manager. Other information was supplied by the building manager and recorded on the Building Manager's Questionnaire (BMQ), included as Attachment 2 (Section 9.22.6.2).

9.22.2 Description of Building P

Building P, Power Plant, consists of the facilities and equipment necessary to provide centralized process and breathing air, steam and condensate, the chilled water supply and return, potable water, and electrical power distribution.

Building P was constructed in 1949 (MD-10391, *Asbestos Program Manual*, 9-14-95). and its overall condition is rated "adequate" in the Capital Assets Management Process, CAMP Report, FY 1996. It is a one-story (with mezzanine) building containing 15,143 square feet. It is constructed of concrete blocks with brick facing. It has a built-up membrane roof of carbide and coal tar.

The location of Building P is shown in Attachment 4 (Section 9.22.6.4). The building is bordered by Buildings G and GW to the north, Building PS to the south, one of the primary Mound water towers, the power plant's chilled water evaporator tower, and a new 50,000-gallon aboveground storage tank for No. 2 fuel oil on the east side, and Building M to the west. Immediately adjacent to Building P on the west side of the plant is the Mound West electrical substation. The Mound East electrical substation is located within Room 3, on the first floor of Building P. Both receive power from three parallel DP&L 12.5KV feeders from Dayton Power and Lighting. Electrical service is then distributed throughout Mound to each of the 28 site substations. The utility foreman's office, lavatory, change room, and utility closet are also on the first floor. Floor plans are presented as Attachment 4 (Section 9.22.6.4). The building has been used for the same purpose since its construction.

In addition to the office-related rooms listed above, the first floor contains the two main boilers, three chillers, potable water treatment equipment, a standby generator, the main plant

control/utilities distribution and consumption monitoring console station, chemicals/chemical injection equipment, and plant controls. The mezzanine principally contains pumps, compressors, and two chillers.

9.22.3 Summary of Findings

The building appears to be well-maintained, all piping was properly color coded and labeled, general housekeeping is outstanding and records were complete. Some issues of environmental concern were identified. Of particular note to the appraisal team was the construction of the new 50,000-gallon No. 2 fuel oil storage tank with its secondary concrete containment. It replaced four underground day tanks and an aboveground storage tank, all of which have been removed. Records indicated that contaminated soil had been removed by the contractor and select fill was in place.

The plant operator's control room was centrally located, with direct view of the plant boilers. All alarm systems were functioning. All equipment which would operate off the standby generator were properly color coded "yellow." A copy of all environmental permits were contained within the utility foreman's office. Plant operators' licenses were posted.

9.22.4 Observations

9.22.4.1 Air Emissions

All building ventilation is by natural flow except for the office, control room, lavatory, and dressing room. These are serviced by small heating/ventilation units and a window air conditioner.

Primary process air emission sources are boilers 1 and 2 and the standby diesel generator. The Mound Air Emissions Database dated 11-30-95 identifies the chemicals consumed and the pounds per year emissions for the two boilers in both the primary fuel method (gas) and for standby using No. 2 fuel oil. Copies of the air permits (registration status), dated 2-4-95, for boilers 1 and 2 and the diesel generator are maintained in the foreman's office. The air permit data contained in the BMQ (Attachment 2, Section 9.22.6.2) corresponds to prior (registration status) permits. Air pollution control equipment is not required to reduce emissions from each source. Daily records of operation are maintained for all three air emission sources. Current daily logs are maintained in the main control console office. Prior daily logs are turned over to the utilities foreman and maintained in the Building P office. All conditions of the permits regarding both operations and recordkeeping appear to be met.

There is no evidence of fugitive dust at or around Building P.

9.22.4.2 Wastewater Emissions

The Mound Facility has three wastewater collection systems: a sanitary wastewater system; a storm water system; and a radioactively contaminated process wastewater system. Sanitary wastewater is treated at an onsite tertiary treatment plant and subsequently discharged by hard pipe to the Great Miami River. Storm water and any non-process wastewater, single pass cooling water, and softener backwash may be discharged directly to the Great Miami River, via the Miami-Erie Canal, or may be diverted to a 3.1-million-gallon holding pond for settling prior to discharge. Radioactively contaminated wastewater is treated in Building WD by physical-chemical treatment. If appropriate, wastewater may be discharged by hard pipe to the Great Miami River. If concentrations of radioactive contaminants cannot be reduced to acceptable levels, wastewater is solidified and shipped to the Nevada Test Site or Envirocare for disposal. All outfalls are permitted under an active NPDES permit. Routine monitoring activities are in place. Based on NPDES monitoring report data reviewed, it appears that the facility is in compliance with qualitative and quantitative conditions of the permit.

9.22.4.2.1 Sanitary Wastewater

The building has sanitary services. According to a diagram of underground utility lines, in Attachment 5 (Section 9.22.6.5), the building is serviced by a sanitary line. Wastewater from the lavatory, shower, boiler blowdown drains, and the reverse osmosis unit—for boiler water makeup—are connected to the sanitary line.

The outflow from the floor drain in Pit 1 and one in Pit 2 could not be determined. Confirmation of drainage of sanitary wastewater into sanitary lines was not within the scope of the effort, therefore, neither dye tests nor smoke tests were conducted.

Sanitary effluent is conveyed to the onsite tertiary wastewater treatment facility, and subsequently discharged to the Great Miami River. There is no monitoring of building effluent. Based on operations data, supplied by the utility foreman, effluent from Building P does not deviate from that expected by the sanitary treatment plant manager.

9.22.4.2.2 Storm Wastewater

The building is also serviced by storm drains as shown in utility line drawings presented as Attachment 5 (Section 9.22.6.5). All visible interior floor drains are functioning. Brine water and other discharges from plant operations are not connected to the sanitary system and discharge into a sump which is then pumped out into the storm drain system. Brine is included as a contribution to the storm water system in the NPDES permit. Exterior grates and drains were not tested to confirm that they connect to the storm drainage system. Inspection showed no sign of odors, colored discharges, or scarring which would indicate that any materials other than storm water has entered the storm drainage system.

9.22.4.2.3 Chemicals

Storage, handling, and disposal of chemicals listed in the BMQ, which is included as Attachment 2 (Section 9.22.6.2), were reviewed to assure conformance to regulations related to 40 CFR 122, 40 CFR 261-265, 40 CFR 268, and 29 CFR 1910. None of the chemicals listed in the BMQ are Clean Water Act priority pollutants. There is no evidence that chemicals stored in the building have entered the wastewater collection system. There have been no reported spills from Building P other than a fuel oil spill described in the BMQ. This was a reported spill. The possibility of a similar spill has been eliminated after installation of the new storage tank. Treated water from the boiler blowdown and reverse osmosis unit discharges into the sanitary drains. Chemicals used in the processes are compatible with the sanitary treatment process.

9.22.4.3 Potable and Service Water

Potable water is produced by treating well water and is used in the building. Backflow prevention devices are installed at all visible points of potential cross connection. Potable water is further treated, using a reverse osmosis unit, prior to injection into the plant boilers. The fountain which supplies drinking water has not been tested for lead. However, according to Environmental Protection Agency (EPA) protocol, annual sampling criteria do not require testing of the fountain. Service water is provided to the building in the fire sprinkler system.

9.22.4.4 Chemical Storage and Hazardous Materials

Fifty-six different chemicals are used and stored in the power plant. A list of chemicals in Building P is included in the BMQ which is included as Attachment 2 (Section 9.22.6.2). The information was gathered as part of the chemical inventory which is conducted annually. The inventory information dates to 1994. Confirmation of the 1994 inventory was not attempted as 1995 data were being compiled at the time of the appraisal.

Chemicals used in the boiler plant for other than associated processes are stored in a flammable storage cabinet which meets standard National Fire Protection Agency (NFPA) requirements. These chemicals are stored in accordance with applicable standards. Chemicals used with the plant's water treatment processes are stored and properly labeled in their respective drums or shielded bladders. Up-to-date Material Safety Data Sheets (MSDS's) are available at the main entrance, opposite the utility foreman's office.

All gas cylinders are properly labeled, stored, and secured within the plant. Gas cylinders stored outside exceed the quantity, type, and age expected. They are not compatible with daily or annual plant requirements.

The building is equipped with properly located eyewashes, a safety shower, and charged fire extinguishers. Each extinguisher was barcoded. The inspection date database is maintained in the Fire Station in Building 98. There is a new aboveground 50,000-gallon No. 2 fuel oil storage

tank which has proper secondary containment, a standby generator day tank within the plant, and a catch basin which collects blowdown water which is pumped into the sanitary sewer system. All underground storage tanks associated with this building have been removed. It was not within the scope of this appraisal to review records related to tank removal or testing to determine if soil or groundwater contamination occurred.

The building has been tested and does contain asbestos-containing building material (MD-10391, *Asbestos Program Manual*, 9-14-95). There is no evidence of friable asbestos. Visual inspection indicated that repair work is not on piping containing asbestos insulation.

There are no capacitors containing polychlorinated biphenyls (PCBs) located within the building. The last remaining transformer containing PCB was removed the week prior to this environmental appraisal. There is a record of past presence (1995 PCB Annual Document Log).

No research, development, or production activities using radioactive or energetic materials have occurred in the building (*Mound Facility Physical Characterization*, 12-1-95).

9.22.4.5 Solid, Hazardous, and Radioactive Wastes

Solid wastes generated are primarily paper. There is paper and aluminum can recycling to minimize solid waste. Paper is removed by janitorial personnel to a local collection point, then shipped offsite to a local landfill by a contractor. The disposal permit is maintained by Waste Management. There is no evidence that hazardous materials or wastes are mixed with solid waste streams. When ethylene glycol is removed from the chilled water system for system repairs it is not treated as hazardous waste. It is stored in containers and then reinjected into the system when repairs are completed.

Solvent-and-oil-contaminated rags used to clean equipment are stored in a closed can and are sent offsite for cleaning by a contractor. No records were available for review in Building P. Review of procurement and contract records was not within the scope of this appraisal.

The plant processes do not generate hazardous, radioactive or explosive wastes. There are two conditions which could generate hazardous wastes.

First, the chilled water system contains ethylene glycol which could be released to the sanitary sewer, within the plant, or to the storm water system, from the external distribution network and condenser towers. There is a pressure alarm system which would indicate a drop in pressure indicating a leak. Because of the age of the plant, the alarm system would be expected to sound when a loss occurred of approximately 300 gallons of water and glycol. Procedures are in place to secure the system when the alarm sounds and to take appropriate containment response action before water with glycol can be discharged from Mound. There have been no incidents during the past 12 months.

The other potential for hazardous waste generation involves lubricating oil from the standby generator and compressors which could be released to the sanitary sewer. Routine maintenance and inspection of this equipment has precluded such an event from occurring. Waste oil removed during normal maintenance procedures is placed in a waste drum and picked up by Waste Management for disposition.

Most equipment in the building was in service. However, a high-pressure air compressor located on the second floor had been out of service for several months.

9.22.4.6 Waste Minimization and Pollution Prevention

At Mound there is an active program to minimize waste streams in accordance with state and federal requirements and Executive Order 12856.

Programs for waste minimization are in place including aluminum can recycling and the collection and reuse of ethylene glycol removed from the chilled water system during scheduled maintenance and repair. Gas cylinders and chemical bladders are returned to the supply vendors.

9.22.5 Findings and Recommendations

Photographs were taken to document environmental appraisal activities. They are included as Attachment 6 (Section 9.22.6.6).

The environmental appraisal of Building P indicates that the following action items, in recommended priority order, should be planned and scheduled for accomplishment thus assuring that best management and operating practices are in place.

P-1 Pits 1 and 2 have floor drains which connect to either the storm water or sanitary sewer system; their ultimate disposition is not known. Consideration should be give to either plugging the drains or providing secondary containment for the drums of water treatment chemicals used in these areas to conform with requirements of 40 CFR 122 and 29 CFR 1910.

P-2 Because of the large, bulky shielded bladder containers of ANCO 3310 for water treatment, management should evaluate the feasibility of direct delivery to Building P instead of double handling through delivery to Building 61 with delivery to the power plant. In the last year, one incident occurred where a forklift tong penetrated the bladder while delivering it to the plant.

P-3 There appears to be eight to ten gas cylinders stored outside the power plant which are not required for plant use or, by their appearance, have not been properly rotated in their use. A review of requirements should be made against quantity on hand.

P-4 Since the interior Pit 2 sump does not have secondary containment and it discharges into the storm sewer system, a program for periodic inspection of the contents and the sump integrity should be considered.

P-5 The high-pressure air compressor plant on the second floor is no longer in service. Resource Conservation and Recovery Act (RCRA) regulations require that waste be removed from idled manufacturing process and waste producing equipment within 90 days (40 CFR 261.4). "Idle" is defined as occurring either from the cessation of production or idled between production runs. Since the air compressor is apparently no longer required and has been idle for more than 90 days, 40 CFR 261.4 applies.

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Environmental Appraisal of the Mound Plant

9.22.6.1 Environmental Appraisal Checklist

ENVIRONMENTAL APPRAISAL CHECKLIST

Building Name P (POWER PLANT)

Appraisers:

TEAM # 4

Name	Discipline
MARK GILLIAT	ENGINEER
MARCIA VANNET	CHEMIST
MYRON SMITH, Jr	ENGINEER

Building Manager: A. W. HOSHAW (x-4894)

Process Manager: FRANK BAKER UTILITIES FORMAN (x-3439)

Date: 24 JANUARY 1996

ENVIRONMENTAL APPRAISAL CHECKLIST

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Environmental Appraisal Checklist

Building Name: P Appraisers: Team #4 Date: 1/24/96

Clean Water Act (CWA) Screening Checklist

Question	Response	Comments
Does the outside drain spouting of the building discharge directly to a storm sewer/sanitary system?	(Y)/ N	If the answer to any of these questions is yes, proceed with the following checklist.
Are there sinks, toilets and floor drains in the building?	(Y)/ N	
Are chemicals being used in the building?	(Y)/ N	
Is there a process which discharges to the storm or sanitary system?	(Y)/ N	

CWA Checklist

Regulatory Guideline	Question	Response	Comments
40 CFR 122 Appendix D Table V	If chemicals are used/stored in the building, are they on the attached list? Are they properly contained?	(Y)/ N (Y)/ N	
	Is the building in operation? What are the processes and where do they discharge to?	(Y)/ N SANITARY STORM	
	Do the floor drains, sinks & toilets appear to be draining properly?	(Y)/ N	
OAC 3745-33	Do the floor drains and sinks drain to a sanitary or storm sewer?	Sanitary Storm	Boiler Blowdown To Sanitary All other To Sump Then Storm
	Is there a sump/pit in the building? If so, what does it contain? How often is it pumped out? Does water collect in sump? Does sump have secondary containment?	(Y)/ N _____ _____ (Y)/ N Y /(N)	Water wash down & Blowdown Automatic Pump Control in sump *
	Are there any manholes, catch basins, drains, or fill pipes in or around the building? If so, are there any unusual appearances, colors, and/or odors? Describe in comment section. Can chemicals flow into the drain?	(Y)/ N Y /(N) (Y)/ N	

* Recommend periodic check of sump for content and containment

9.22-13

Environmental Appraisal Checklist

Building Name: P Appraisers: Team #4 Date: 1/24/96

9.22-14

Clean Air Act (CAA) Screening Checklist

Regulatory Guideline	Question	Response	Comments
	Are there any rooms that have air emissions sources that vent to the outside of the building, e.g., fumehoods, equipment? If so, note the rooms.	(Y)/ N	Emergency Generator Boilers #1 & 2
OAC 3745-35	Using the air emissions inventory reference for this building, are there any sources in the building that are not documented?	Y /(N)	
	Is there evidence of fugitive dust emissions inside or outside of the building	Y /(N)	

CAA Checklist

Regulatory Guideline	Question	Response	Comments
	Are there existing air permits or applications applicable to the building?	(Y)/ N	
OAC 3745-31,35	If yes, are the terms and conditions of the permit or the information included on the application (see air emissions database) being followed? Note any differences and update the air emissions database.	(Y)/ N	
OAC 3745-31	Are there any sources that are not included in the air emissions database? If so, note the room, hood number, active or not, POC, and applicable air emission database information on Table B.	Y /(N)	
OAC 3745-31-03	Are there sources which are lab equipment of lab fumeheads used exclusively for chemical or physical analyses and bench scale lab equipment? These sources do not require a permit. However, the air emissions database should be updated.	Y /(N)	
	Has there been any release of air contaminants from this building?	Y /(N)	

Environmental Appraisal Checklist

Building Name: P Appraisers: Team #4 Date: 1/24/96

CAA Checklist

Comments: Note the number of sources/hoods per room, the number that are active, and the POC on the reference document.

TABLE A

Process Source	Room Number	Hood Number	In Database	Active	Chemicals Used	Quantity Used	Quantity to Waste Management	Hours/Yr. Operation	Air Emissions
			Y / N	Y / N					
			Y / N	Y / N					
			Y / N	Y / N	NONE				
			Y / N	Y / N					
			Y / N	Y / N					

Source: _____

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Environmental Appraisal Checklist

Building Name: P Appraisers: Team # 4 Date: 1-24-96

9.22-16

Hazardous Materials (HM) Screening Checklist

Question	Response	Comments
Are any chemicals used or stored in this building, now or in the past?	(Y) / N	If the answer is yes, proceed with the following checklist.

HM Checklist

Regulatory Guideline	Question	Response	Comments
29 CFR 1910.1200(b,f)	All containers of hazardous chemicals shall be labeled as to the identity of the chemical and the appropriate hazard warnings.	(Y) / N	
29 CFR 1910.1200(g)	MSDS shall be available to the employees in close proximity to the work area.	(Y) / N	
29 CFR 1910.22, 1910.106, 1910.176	All places of employment, passageways, storerooms and service areas shall be kept clean and orderly and in a sanitary manner. Aisles shall be unobstructed. Drums and containers are not leaking and are tightly sealed.	(Y) / N	
29 CFR 1910.106	Storage cabinets for flammable materials are constantly kept closed, are fire resistant and are labeled "FLAMMABLE - Keep Fire Away". Containers inside should be labeled and closed. No spills inside cabinet.	(Y) / N	
29 CFR 1910.106(d)(7)	Incompatible chemicals are not stored together.	(Y) / N	
29 CFR 1910.106(d)(4)	Inside Flammable/combustible storage rooms must meet the following: 4 in. raised sill or trench that drains to a safe area, liquid tight wall/floor joints, self-closing doors, gravity or mechanical exhaust providing 6 room changes/hr., exhaust switch located outside room, at least one 3 ft. aisle; no cracks in secondary containment.	Y / N	Inside chemicals are not flammable.

Environmental Appraisal Checklist

Building Name: 7 Appraisers: Team # 4 Date: 1-24-96

HM Checklist

Regulatory Guideline	Question	Response	Comments
29 CFR 1910.106(d)(7)	All flammable/combustible storage locations have at least one 12-B portable fire extinguisher located outside and within 10 ft. of a door opening into any room for storage. No smoking signs are posted.	(Y) / N	
29 CFR 1910.151	Eyewashes/showers shall be provided within the work area. Ensure unit is operational.	(Y) / N	
CGA P-1 3.3 & 3.3.10	All gas cylinders (full or empty) shall carry a legible label or marking identifying the contents.	(Y) / N	
CGA P-1 3.5.3	Full and empty containers should be stored separately with the storage layout planned so that containers comprising of old stock can be removed first with a minimum handling of other containers.	(Y) / N	
CGA P-1 3.5.8	All compressed gas containers in service or in storage shall be stored standing upright and the container shall be secured.	(Y) / N	
CGA P-1 4.2.2	Oxygen cylinders shall be separated from flammable gas containers or combustible materials a minimum of 20 ft. or a noncombustible barrier 5 ft. high.	Y / N	NONE
29 CFR 1910.104(2)(10)	Oxygen stored as a liquid shall be on a noncombustible surface. Asphalt is considered combustible. Wood and long dry grass shall be cut back 15 ft. from the container.	Y / N	N/A
29 CFR 1910.104	Bulk oxygen storage shall be permanently placarded "OXYGEN - NO SMOKING - NO OPEN FLAMES".	Y / N	N/A
	Is there a sign posted in each work area regarding emergency egress and emergency response action?	(Y) / N	
	Is there an emergency response plan available?	(Y) / N	

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Environmental Appraisal Checklist

Building Name: P Appraisers: Team #4 Date: 1-24-96

HM Checklist

Regulatory Guideline	Question	Response	Comments
	Is there a process area?	Y / (N)	
	Does it have proper containment?	Y / N	
	Is there a liquid bulk transfer area?	Y / (N)	
	Is there proper containment?	Y / N	
	Is there an above ground storage tank? If so, complete Table B.	(Y) / N	

Above Ground Storage Tanks Inventory

TABLE B—Above Ground Storage Tanks Inventory

Building	Capacity (Gal.)	Contents	Estimated Volume	In Service	Containment	Visual Stains/ Contamination	If Empty, Flushed
P	50,000	#2 fuel oil	44,000	(Y) / N	(Y) / N	Y / (N)	Y / N
P	140	Diesel fuel	140	(Y) / N	(Y) / N	Y / (N)	Y / N
				Y / N	Y / N	Y / N	Y / N
				Y / N	Y / N	Y / N	Y / N
				Y / N	Y / N	Y / N	Y / N
				Y / N	Y / N	Y / N	Y / N
				Y / N	Y / N	Y / N	Y / N

Source: Visual Inspection & Discussion with Process Manager

Environmental Appraisal Checklist

Building Name: P Appraisers: TEAM #4 Date: 1-24-96

Safe Drinking Water Act (SDWA) Screening Checklist

Does this facility have potable water?	(Y)/ N	If yes, conduct the following survey.

SDWA Checklist

Regulatory Guideline	Question	Response	Comments
OAC 3745 95-02 (A)	Do actual or potential cross-connections exist between potable (light green) and service water (dark green)?	(Y)/ N	
OAC 3745 95-04 (B)(C)	Are backflow prevention devices installed where cross connections (hoses connected to faucets, hot water tank vented directly to a drain) exist?	(Y)/ N	
	Are sources of service water (janitorial and laboratory faucets, or outdoor spigots) posted as non-potable water sources?	(Y)/ N	
	Does the facility contain any water coolers or fountains that are not lead free? Complete Table C.	(Y)/ N	

TABLE C—Water Fountain Survey

Building	Location	Model #	Comments / Date of Analysis for Lead
P	East of P.T 2, 1st Floor	Westinghouse	WJ 1271134; WL 004451 Not Required

Source: EPA Protocol - Visual Inspection

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Environmental Appraisal Checklist

Building Name: P Appraisers: Team # 4 Date: 1-24-96

9.22-20

RCRA Screening Checklist

Does this facility generate waste or use chemicals?	(Y) / N	If yes, conduct the following survey.

RCRA Checklist

Regulatory Guideline	Question	Response	Comments
OAC 3745 52-11	Has any material generated been characterized RCRA hazardous? Was charactarization by analysis or by process knowledge? Are lab results or documentation of process knowledge readily available? Note any uncharacterized material in comment section. Is it waste? If yes, proceed with next section.	Y / (N) analysis / (process) Y / (N) Y / (N)	SALT BRINE DISCHARGE BOILER BLOWDOWN REVERSE OSMOSIS WASH.
OAC 3745 52-11	Are any of the materials noted RCRA hazardous waste? If no, note and stop here. If yes, note the location of the management unit, and the method of management, and proceed with the appropriate section below.	Y / N	

Environmental Appraisal Checklist

Building Name: P Appraisers: Team #4 Date: 1-24-96

RCRA Checklist

Regulatory Guideline	Question	Response	Comments
I. HAZARDOUS WASTE STORED IN CONTAINERS			
	Is there an area in the building that could qualify as a Satellite Accumulation Area? Is it treated as such?	Y / (N) Y / N	
OAC 3475-52-34 (C)	Has any of the RCRA hazardous waste in this building been managed in Satellite Accumulation Areas? If no, proceed to the next section. If yes, answer the following.	Y / N	NONE
	Are the containers marked with the words hazardous waste, or other words denoting the hazard?	Y / N	
	Are the containers in good condition?	Y / N	
	Are the waste compatible with the containers?	Y / N	
	Are containers managing ignitable hazardous waste stored at least 50 feet from the plant site boundary?	Y / N	
	Are containers kept closed and locked except during filling?	Y / N	
	Are containers moved within 3 days of being filled?	Y / N	

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Environmental Appraisal Checklist

Building Name: P Appraisers: TEAM #4 Date: 1-24-96

RCRA Checklist

Regulatory Guideline	Question	Response	Comments
OAC 3745-52-11 (A)	If a Satellite accumulation area has been abandoned and/or if waste left in place, and the containers may be subject to the 90-day-storage exclusion. If this exclusion does not apply, go to the next section. If the containers have been in storage under this exclusion, answer the following:		
	Are the containers in good condition?	Y / N	
	Are the waste compatible with the containers?	Y / N	
	Are the containers kept closed except during filling?	Y / N	
	Are the containers managed in such a way, that they are not ruptured, or leaks caused?	Y / N	
	Is the area inspected at least once weekly?	Y / N	
	Is the inspection recorded? BLANK Where is the log? Is it properly completed, dated, and signed?	Y / N Y / N	
	Are containers managing ignitable hazardous waste stored at least 50 feet from the facility boundary?	Y / N	
	Are incompatible wastes managed in such a way that they will not react with another incompatible waste?	Y / N	
OAC 3745-52-34(B)	Has any of the waste (except in Building 23, Building 72 and the Burn Area) been managed in excess of 90-days?	Y / N	
	If no go to next section.		
	If yes, note.		
	For Building 23, Building 72 & Burn Area use special checklist.		

Building Name: P Appraisers: TEAM # 4 Date: 1-24-96

RCRA Checklist

Regulatory Guideline	Question	Response	Comments
II. HAZARDOUS WASTE STORED IN TANKS			
OAC 3745-52-32 (B)	Has any chemical waste stored in a tank, piece of process equipment or ancillary equipment been in storage in excess of 90-days?	Y / N	
	If the answer was no, then proceed with the following:	Y / N	
	Has the tank or piece of equipment had an integrity assessment?	Y / N	
	Is there a sump?	Y / N	
	Is it dry?	Y / N	
	Does the tank or equipment have secondary containment?	Y / N	
	Does the tank or equipment have leak detection device(s)?	Y / N	
	Has spill control prevention been enacted?	Y / N	
	Has any hazardous waste stored in a tank, piece of process equipment or ancillary equipment been in storage in excess of 90-days?	Y / N	
	If the answer was no, then proceed with the following:		
	Has the tank or piece of equipment had an integrity assessment?	Y / N	
	Does the tank or equipment have secondary containment?	Y / N	
	Does the tank or equipment have leak detection device(s)?	Y / N	
	Has spill control prevention been enacted?	Y / N	
	Is there a closure plan?	Y / N	
	If yes, then note.		
OAC 3745-67	Has any of the waste been managed in a surface impoundment? If yes, then note. Go to the next section.	Y / N	

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Environmental Appraisal Checklist

Building Name: P Appraisers: Team #4 Date: 1-24-96

9.22-24

RCRA Checklist

Regulatory Guideline	Question	Response	Comments
OAC 3745-68	Has any of the waste been managed in a Landfill? If yes, then note. Go to the next section.	Y / N	
OAC 3745-68	Has any of the waste been managed in an Incinerator (other than Burn area units)? If yes, then note. Go to the next section.	Y / N	
OAC 3745-68	Has any of the waste been managed in a Thermal treatment Unit (other than Burn area units)? If yes, then note. Go to the next section	Y / N	
OAC 3745-69	Has any of the waste been managed in a Miscellaneous Treatment Unit (other than Burn area units)? If yes, then not. Go to the next section.	Y / N	
OAC 3745-56	Has any of the waste been managed in a Waste Pile? If yes, then note. Go to the next section.	Y / N	

Not Applicable

General Comments:

Building Name: P Appraisers: Team #4 Date: 1-24-96

Asbestos Screening Checklist

Does this facility contain ACBM?	(Y)/ N	If yes, conduct the following survey.

Asbestos Checklist

Note: Routinely, the asbestos standard for ACBM in schools has been applied to facilities for purpose of cleanup. In addition to AEHERA, there are additional standards in the NESHAPS that may be of importance.

Regulatory Guideline	Question	Response	Comments
ADAPTED FROM TSCA ACBM IN SCHOOLS:			
	Has this building been characterized either through process knowledge, by analyses, or by inspection to determine if it contains asbestos?	(Y)/ N	Properly Labeled
	If no for this building or area note this conclusion in the comment section.		
	Is there any evidence of friable asbestos?	Y /(N)	None in progress
	Is the asbestos removal properly managed? (See questions listed below)	Y / N	If there is no asbestos removal, do not complete the following section.
NESHAPS FOR ASBESTOS FOR ANY ONGOING ASBESTOS REMOVAL:			
40 CFR 61.156	There are no discharges of visible emissions to the outside air from collection, processing, packaging, transporting, or deposition of ACBM during the removal.	Y / N	
40 CFR 61.152(b) (1)	ACBM is treated with water in accordance with 40 CFR 152(b)?	Y / N	
40 CFR 61.154	Is friable asbestos adequately wetted during stripping? Or, has an adequate ventilation and collection system been installed?	Y / N	
40 CFR 61.152	Is wetting continued until the waste friable asbestos is collected for disposal?	Y / N	

9.22-25

Building Name: P Appraisers: Team #4 Date: 1-24-96

9.22-26

Toxic Substances and Control Act (TSCA) PCB's Screening Checklist

Does this facility potentially contain any PCB's or PCB contaminated equipment?	Y / (N)	If yes, are transformers labeled (Blue or Yellow stickers)? If yes, conduct the following survey.

TSCA Checklist

Regulatory Guideline	Question	Response	Comments
40 CFR 761	Has any waste generated in, or from, this building been characterized either through process knowledge or by analyses to determine if it contains PCB's ? If the answer is no, note . If the answer is yes, proceed with next section.	Y / N	
	Based on an inspection, are any of the materials or equipment potentially PCB contaminated? If no, note and stop here. If yes, note the location of the management unit, and the method of management, and proceed.	Y / N	
40 CFR 761.65 (c) (5)	Are PCB articles or containers stored in this building checked for leaks at least once every 30 days?	Y / N	
	If yes, are auditable records maintained.	Y / N	
40 CFR.30 (a) (1) (ix)	Are any PCB transformers in use, or stored for possible reuse, that contain PCB's at concentrations of 500 ppm or greater?	Y / N	
	Are they visually inspected quarterly? If yes, are auditable records maintained?	Y / N	

* THE LAST PCB containing TRANSFORMER REMOVED WEEK of 15 JAN 96 ACCORDING TO BLDG & PROCESS MANAGERS.

Building Name: P Appraisers: TEAM # 4 Date: 1-24-96

TSCA Checklist

Regulatory Guideline	Question	Response	Comments
40 CFR 761.30 (a) 1,viii	Are all combustible materials (i.e., paints, solvents, plastics, paper, sawn wood, etc.) cleared from areas containing PCB transformers to a distance of five meters?	Y / N	
40 CFR 761.65 (b) (8)	Are all PCB articles and containers labeled with the date they were placed in storage?	Y / N	
	Are labeled PCB articles and containers stored so that the labels can be referenced?	Y / N	
40 CFR 761.65 (a)	Are all PCB's and PCB contaminated items at concentrations above 50 PPM, that are stored for disposal, stored no longer than one year from the date they were placed in storage?	Y / N	
40 CFR 761.62 (b) (1) (i)	Do all PCB storage areas have an adequate roof and walls to prevent rainwater from reaching the stored items?	Y / N	
40 CFR 761.62 (b) (1) (iv)	Are storage are floors curbed and constructed of continuous smooth and impervious materials?	Y / N	
40 CFR 761.62 (b) (1) (i)	Are the curbs at least 6 inches high?	Y / N	
40 CFR 761.62 (b) (1) (iii)	No drains are allowed in storage areas. Are there drains in the storage areas?	Y / N	

BLANK

9.22-27

Building Name: P Appraisers: TEAM #4 Date: 1-24-96

9.22-28

TSCA Checklist

Regulatory Guideline	Question	Response	Comments
40 CFR 761.65 (c) (2)	Only non-leaking and undamaged large high voltage PCB's capacitators and PCB-containing electrical equipment are allowed to be stored outside of PCB storage areas, on pallets if stored outside, with containment for 10 percent of the volume of the equipment. Do all PCB's stored in this configuration conform with this requirement?	Y / N	
40 CFR 761.45 and .65	Are all PCB storage areas marked with a large PCB mark as described in 40 CFR 761.45 (a)?	Y / N	
40 CFR 761.65 (c) (5)	Have all leaking PCB articles and containers been transferred to non-leaking containers?	Y / N	
40 CFR 761.65 (c) (6)	Do all PCB storage containers for the storage of liquid and non-liquid PCB's comply with DOT shipping container specifications?	Y / N	

GENERAL COMMENTS:

Building Name: P Appraisers: Team #4 Date: 1-24-96

Low-Level Waste and Transuranic Waste Screening Checklist

Does this facility contain radioactive waste ?	Y / N	If yes, conduct the following survey.

Low-Level Waste and Transuranic Waste Checklist

Regulatory Guideline	Question	Response	Comments
Low-Level Waste			
DOE Order 5820.2A Chapter III	Can any waste generated in, or from, this building be characterized either through process knowledge or by analyses to determine if it is LLW ? If the answer is no, note. If the answer is yes, proceed with next section.	Y / N	
DOE Order 5820.2A Chapter III.	Are any of the materials noted by inspection LLW? If no, The audit would stop here, because there are no LLW. If yes, note the location of the management unit, and the method of management, and proceed with the section below.	Y / N	
DOE Order 5820.2A Chapter III, 3.a.	Have the storage configurations in use in this area been taken into account for keeping external exposures to the general public below 25 mrem/yr?	Y / N	
	Is the waste stored in a configuration that protects ground-water resources?	Y / N	
DOE Order 5820.2A Chapter III, 3.b.	Has monitoring been conducted in this area in accordance with DOE Order 5820.2A in order to evaluate the area against the performance standard?	Y / N	
	Based on field data, does the monitoring conducted in this area conform to the performance standard?	Y / N	

Blank

9.22-29

9.22-30

Environmental Appraisal Checklist

Building Name: P Appraisers: TEAM #4 Date: 1-24-96

Low-Level Waste and Transuranic Waste Checklist

Regulatory Guideline	Question	Response	Comments
DOE Order 5820.2A Chapter III, 3.d.	Based on field data, is the characterization of the materials in this area sufficient to assure proper segregation to assure proper segregation, treatment, storage, and disposal?	Y / N	
	Based on field data does the characterization as documented at the time of generation of the waste ensure that the actual physical and chemical characteristics, and major radionuclide content of this material are recorded and known at all stages of the waste management process?	Y / N	
	Do characterization data include the following:		
	Physical and chemical characteristics of the waste?	Y / N	
	Volume of the waste (including solidification and absorbent material)?	Y / N	
	Weight of the waste (including solidification and absorbent material)?	Y / N	
	Major radionuclides and their concentrations?	Y / N	
	Packaging date, package weight, external volume?	Y / N	
	How were the concentration of radionuclides determined? Direct methods?	_____ _____	
	How were the concentrations of radionuclides determined? Indirect methods?	_____ _____	
DOE Order 5820.2A Chapter III, 3.h	Is the storage configuration in long term storage sufficient to meet the performance standard?	Y / N	
	Are records maintained at the facility enabling this waste to be traced from its origin?	Y / N	

BLANK

Building Name: P Appraisers: Team #4 Date: 1-24-96

Low-Level Waste and Transuranic Waste Checklist

Regulatory Guideline	Question	Response	Comments
TRU WASTE			
	Can any waste generated in, or from this building be characterized either through process knowledge or by analyses to determine if it is TRU waste? If no, note and stop. If yes, proceed with the next section.	Y / N	
	Are any of the materials noted as being TRU waste during an inspection? If no, note and stop. If the answer is yes, note the location of the management unit, and the method of management and proceed with the appropriate section below.	Y / N	
DOE Order 5820.2A, Chapter II, 3.a	Was this material evaluated as soon as possible in the generating process, to determine if it is TRU (>100nCi/g), if it is recoverable, or if it is waste? (Note if the activity level is less than 100nCi/g, the waste is not TRU, and can be managed as LLW.)	Y / N	
	Did the determination of TRU radionuclide concentration include the mass of the container, including shielding? These should be included in calculating the specific activity of the waste.	Y / N	

TB Leaks

9.22-31

Building Name: P Appraisers: TEAM #4 Date: 1-24-96

9.22-32

Low-Level Waste and Transuranic Waste Checklist

Regulatory Guideline	Question	Response	Comments
DOE Order 5820.2A, Chapter II, 3.b	Has the TRU waste been assayed or otherwise evaluated to determine its radioactive content prior to storage?	Y / N	
	Has the TRU waste been characterized or otherwise evaluated to determine if hazardous waste is present?	Y / N	
	Has classified TRU waste been treated to destroy the classified characteristics?	Y / N	
DOE Order 5820.2A, Chapter II 3.d	Has all newly generated TRU waste been packaged in non-combustible packaging that meets DOT requirements?	Y / N	
	Have all Type A TRU waste packages been equipped with a method to prevent pressure buildup?	Y / N	
	Have all TRU packages been marked, labeled and sealed in accordance with 40 CFR 261 Subpart C and 49 CFR 172 Subparts D, E and 49 CFR 173 Subpart I?	Y / N	

Building Name: P Appraisers: TEAM # 4 Date: 1-24-96

Low-Level Waste and Transuranic Waste Checklist

Regulatory Guideline	Question	Response	Comments
DOE Order 5820.2A, Chapter II 3.e	Has the TRU waste been segregated in manner that will not permit commingling of TRU waste with LLW or high-level waste?	Y / N	
	Has the TRU waste been protected from unauthorized access?	Y / N	
	Has the TRU waste been monitored periodically to ensure that it is not releasing its radioactive and/or hazardous constituents?	Y / N	
	Has this TRU waste storage area been designed, constructed, maintained, and operated to minimize the possibility of fire, explosion, or accidental release of its radioactive and/or hazardous constituents?	Y / N	
	Does the facility have a contingency plan designed to minimize the adverse impacts of fire, explosion, or accidental release of its radioactive and/or hazardous constituents?	Y / N	

BLANK

GENERAL COMMENTS:

9.22-33

9.22-34

Environmental Appraisal Checklist

Building Name: 7 Appraisers: TEAM # 4 Date: 1-24-96

Waste Minimization/Pollution Prevention Activities Screening Checklist

Does this facility generate waste or use chemicals?	(Y) / N	If yes, conduct the following survey.

Waste Minimiaztion/Pollution Prevention Activities Checklist

Regulatory Guideline	Question	Response	Comments
	Based on available information and a walk through, are there any apparent opportunities to curtail the consumption of raw materials (including but not limited to paper, chemicals, electricity, and etc.). If yes, list candidate areas in the comment section.	Y / (N)	REQUIREMENTS FOR WATER TREATMENT CHEMICALS AN CHILL WATER SYSTEM CHEMICALS ARE BASED UPON DEMAND (GAL) AND/OR WEATHER TEMPERATURE CAUSING DEMAND *
	Are there solvent wastes?	Y / (N)	
	Is vehicle maintenance performed?	Y / (N)	
	Are oils used ?	Y / (N)	
	Are these corrosive wastes?	Y / (N)	
	Are there sludges?	Y / (N)	
	Are there halogenated organic (nonsolvent) wastes?	Y / (N)	
	Are metals recovered from wastewater?	Y / (N)	
	Is waste sludge generated?	Y / (N)	
	Are any waste minimization practices used that reduce the generation of sludge?	Y / N	REVERSE OSMOSIS TREATMENT OF WATER PRIOR TO INJECTION INTO BOILERS ALL BUT ELIMINATES SLUDGE
	Ion exchange process?	Y / N	
	Lead in gasoline lowered to reduce tank sludge toxicity?	Y / N	
	Storage tank agitators installed?	Y / N	
	Corrosive resistant materials used?	Y / N	
	Prevention of crude oil oxidation ?	Y / N	
	Drying?	Y / N	

* WHEN GLYCOL IS REMOVED FRO[illegible]E CHILL WATER SYSTEM (REPAIR[illegible]T IS RECOVERED, CONTAINED & THEN REINJECTED.

Building Name: P Appraisers: TEAM # 4 Date: 1-24-96

Waste Minimization/Pollution Prevention Activities Checklist

Regulatory Guideline	Question	Response	Comments
HALOGENATED ORGANIC (NONSOLVENT) WASTES			
	Are halogenated organic wastes used as fuel in cement kilns?	Y / N	
	Are baghouse filters used to collect pesticides and pesticide intermediates?	Y / N	
	Are solid wastes generated from the collection of baghouse dust?	Y / N	
	Wet instead of dry grinding used?	Y / N	
	The output spray dried?	Y / N	
	Has baghouse emptying and recycling of baghouse fines been scheduled?	Y / N	
	Have operations been evaluated to improve procedures such as handling, storage and spill prevention for increased efficiency?	Y / N	
METAL WASTES			
	Are any technologies for the recovering of metals from waste rinsewater used?	Y / N	
	Evaporation of waste rinsewater?	Y / N	
	Reverse osmosis?	Y / N	
	Ion exchange?	Y / N	
	Electrolysis?	Y / N	
	Agglomeration?	Y / N	
CORROSIVE WASTES			
	Are acidic or basic cleaning solutions used as treatment for pH adjustment chemicals?	Y / N	

9.22-35

9.22-35

Environmental Appraisal Checklist

Building Name: P Appraisers: TEAM #4 Date: 1-24-96

Waste Minimization/Pollution Prevention Activities Checklist

Regulatory Guideline	Question	Response	Comments
	Are ion exchange resins used to remove heavy metals and cyanides from acid and base solutions?	Y / N	
	Is crystallization used to remove corrosives from solution by cooling?	Y / N	
	Is the process of evaporation of liquid wastes by heating used to leave behind a more concentrated solution?	Y / N	
CYANIDE AND REACTIVE WASTES			
	Has non-cyanide or low concentration of cyanide process replaced zinc cyanide bath ?	Y / N	
	Are any of these processes used to recycle cyanide wastes?	Y / N	
	Refrigeration/crystallization?	Y / N	
	Evaporation?	Y / N	
	Ion exchange?	Y / N	
	Membrane separation which includes reverse osmosis or electrodialysis?	Y / N	
VEHICLE MAINTENANCE			
	How are auto parts cleaned?	Y / N	
	Solvent sink?	Y / N	
	Solvent dunk bucket?	Y / N	
	Solvent dip tank?	Y / N	
	Are parts cleaning solvents used for anything else besides cleaning parts?	Y / N	
	Are spills reduced by locating sinks or dunk buckets near auto service bays?	Y / N	

BLANK

Environmental Appraisal Checklist

Building Name: P Appraisers: TEAM # 4 Date: 1-24-96

Waste Minimization/Pollution Prevention Activities Checklist

Regulatory Guideline	Question	Response	Comments
	Are cleaned parts drained on the sink to minimize solvent spills?	Y / N	
	Are drip tanks used to capture losses?	Y / N	
	Is a solvent sink used for mineral solvents rather than a dunk bucket or dip tank?	Y / N	
	Does a waste hauler collect solvent waste for recycling or treatment?	Y / N	
OILS			
	What kind of oils are used?		
	Hydraulic oil?	(Y) / N	COMPRESSOR OIL
	Transformer oil?	(Y) / N	OUTSIDE SUBSTATION BY OTHERS
	Metal working fluids?	Y / (N)	
	Spent lubricating oils?	(Y) / N	REMOVED BY OTHERS MAINTAINING EMERGENCY GENERATOR
	Can the process be modified or changed to use water-based fluids?	Y / (N)	
	Are these good housekeeping and operation practices used to minimize oil waste production?		
	Use oils not contaminated with other liquids?	Y / (N)	
	Oil spills prevented?	(Y) / N	
	Drip pans installed?	(Y) / N	
	Oil soaked rags laundered?	(Y) / N	
	Rags and absorbants used to their limit?	(Y) / N	

9.22-37

9.22-38

Environmental Appraisal Checklist

Building Name: P Appraisers: TEAM # 4 Date: 1-24-96

Waste Minimization/Pollution Prevention Activities Checklist

Regulatory Guideline	Question	Response	Comments
	Are these treatment techniques used to promote separation of oil/water wastes?		
	Reclaiming process to remove water and solvents by heat?	Y / N	
	Gravity setting?	Y / N	
	Screening?	Y / N	
	Centrifugation?	Y / N	
	Filtration?	Y / N	
SOLVENT WASTES			
	Has there been an attempt to reduce volume or toxicity by:		
	Eliminating solvents?	(Y) / N	
	Reducing the use of solvents?	(Y) / N	
	Reducing the loss of solvents?	(Y) / N	
	Increasing recyclability?	Y / (N)	
	Are solvents segregated?	(Y) / N	
	Are waste solvents free from water and garbage?	(Y) / N	
	Are recycled solvent containers labeled as such?	Y / N	ONLY RAGS HAVE WASTE SOLVENTS
	Are containers kept closed?	(Y) / N	
	Free and sheltered from the elements?	(Y) / N	
	Are solvent tanks kept as free from contaminations as possible so that the waste can be recycled?	Y / N	N/A
	Is a method used to minimize the use of new materials such as a countercurrent process?	Y / N	N/A

Environmental Appraisal Checklist

Building Name: P Appraisers: TEAM #4 Date: 1-24-96

Waste Minimization/Pollution Prevention Activities Checklist

Regulatory Guideline	Question	Response	Comments
	If there is a recycling program, what technique is used?	Y / N	
	Distillation?	Y / N	
	Solids removal?	Y / N	
	Dispersion breaking?	Y / N	
	Dissolved and emulsified organics recovery?	Y / N	
	Are any of these housekeeping procedures used to minimize the production of solvent wastes?		
	Separators cleaned and checked? BLANK	Y / N	
	Parts not allowed to enter the degreaser while wet?	Y / N	
	Sludge from the bottom of the tank not allowed to accumulate?	Y / N	
	Lids kept on tanks?	Y / N	
	Freeboard space on tanks increased?	Y / N	
	Are better operating practices used to reduce waste?	Y / N	
	How long is solvent waste stored and where?	_____ _____	

9.22-39

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9.22.6.2 Building Manager's Questionnaire

Building Manager's Questionnaire

Building Name: P Building Manager: A.W. Upshaw Phone: 865-4894 Date: 12-07-95
Alternate: F. BAKER Phone: 865-3438

1. What are the access requirements (training, clearance, etc.)?

NONE

2. What protective equipment is required to enter the building?

SAFETY SHOES, SAFETY GLASSES & HEARING PROTECTION

3. Are there any restricted areas? Yes (No)
Where are they? ONLY REQUEST, THAT PERSONNEL STOP AT FOREMANS OFFICE OR CONTROL ROOM BEFORE WANDERING TO IDENTIFY THEMSELVES & THEIR BUSINESS.

4. Provide a physical description of the building.

Building P is a one-story (with mezzanine) building containing 15,143 ft^2 and constructed of concrete blocks with brick facing. It has a BUM roof (carboline and coal tar). HVAC systems include central steam with ~~and~~ package and window air conditioning. Asbestos has been found in the building. Building is not contaminated with any radioactive or energetic materials.

Source: Mound Facility Physical Characterization, 12-1-93

5. Provide a drawing of the building.

Attached.

6. What is the current building use?

Building P is the powerhouse and service building for the Mound facility. Services include plant air, steam & condensate, breathing air, chilled water, and softened water (used for drinking and service)

MAIN PLANT ELECTRICAL SWITCH GEAR,

Source: Mound Buildings, 5-9-95

7. What is the history of building use other than that described in #6?

NONE

Source: Mound Buildings, 5-9-95

9.22-43

Building Manager's Questionnaire

Building Name: P Building Manager: A.W. Upshaw Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

8. What are ongoing operations or processes? What are the raw materials and waste streams from each process? Who is the best contact for each process?

Process(es) Housed: Heating and cooling & water treatment

How Wastes Are Generated:

Oil used to lubricate machinery is changed periodically, and the old oil is put in waste drums for pickup by Waste Management.

In 1988 a general cleanup was conducted and a number of other wastes were taken from Building P. They included fuel oil cleanup material -- generated when a vendor adding #2 fuel oil to a storage tank caused the tank to overflow, fuel oil and water -- unused oil suspected of containing water because the drums which had been sitting outside were not sealed, wastewater coolant -- source unknown, and zinc chromate -- removed from the cooling system and replaced with ethylene glycol.

Heat is generally provided by burning natural gas. Mound has the capability to burn #2 fuel oil as a backup.

Contact: A. Upshaw / F. Raker
4894 / 3438

Source: Characterization of Mound's Hazardous, Radioactive, and Mixed Wastes, (8-15-90).

NOTE: ALL EMPTY DRUMS ARE RETURNED TO VENDOR.

9.22-44

Building Manager's Questionnaire

Building Name: P Building Manager: A.W. Upshaw Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

9. In the last six months, have any modifications been made to the building or to processes in the building? Yes No
NEW 50,000 gallon above ground Fuel Oil storage tank with secondary containment & fire suppression system.

10. Does the building have air emission sources? Yes

Process Source	Room Number	Hood Number	Active	Chemicals Used	Quantity Used	Quantity to Waste Management	Lbs./Yr. Operation	Air Emissions
Standby			Y	particulates sulfurdioxide VOCs nitrogen oxides carbon monoxide	.0431 .0403 .05 .6129 .132		3.68074 3.44162 4.27 52.34166 11.2728	
Standby			Y	particulates sulfurdioxide VOCs nitrogen oxides carbon monoxide	.0431 .0403 .05 .6129 .132		0.9051 0.8463 1.05 12.8709 2.772	
Boiler 1 Gas			Y	carbon monoxide sulfur oxides nitrogen oxides VOCs particulates	35 0.6 140 2.8 13.7		9972.55 170.958 39890.2 797.804 3903.541	
Boiler 1 Gas			Y	carbon monoxide sulfur oxides nitrogen oxides VOCs particulates	5 17.3 20 0.25 2		518 1792.28 2072 25.9 207.2	
Standby			Y	particulates sulfurdioxide VOCs nitrogen oxides carbon monoxide	0.0347 0.0169 0.0125 0.431 0.114		0 0 0 0 0	

Source: Mound Air Emissions Database 11/30/95

THIS INFORMATION DOES NOT CORRESPOND TO EXISTING AIR PERMIT DATA.
PERMITS EXIST FOR BOILER #1, #2 GENERATORS #3 & 3A THAT I AM AWARE OF. A APPLICATION FOR THE NEW 50,000 GALLON FUEL OIL TANK IS IN PROGRESS.

9.22-45

Building Manager's Questionnaire

Building Name: P Building Manager: A.W. Upshaw Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

11. Describe air pollution control equipment used to reduce emissions for each source.

Process Source	Emissions	Control Equipment	Functioning
Power House (~~Border~~ #1) BOILER		None	Y / N
~~Grand Raker~~ (~~Border~~ #2) BOILER		None	Y / N
Diesel Generator 3A		None	Y / N

Source: Air Permits 2/4/95

12. For existing permits are emissions monitored? At what frequency? Where are the records maintained? ONLY TOTAL FUEL USAGE IS MONITORED.

Process Source	Permit	Log	Permit Conditions & Frequency of Monitoring
Power House (~~Border~~ #1) BOILER	8570911966001	Y / N	No more than 5% opacity and natural gas or No. 2 fuel oil.
~~Grand Raker~~ (~~Border~~ #2)	8570911966006	Y / N	No more than 5% opacity and natural gas or No. 2 fuel oil.
Diesel Generator 3A	0829846009	Y / N	Limited to 36 gal/hr; 360 hrs/yr. 1-6 mo 6300 gal; 1-7 7350 gal; 1-8 8400 gal; 1-9 9450 gal; 1-10 10500 gal; 1-11 11550 gal; 1-12 12600 gal; 12600/12 mo period thereafter. Daily records of operation hours & amount fuel burned. Emission Limits: 0.22 TPY TSP; 0.11 IPY S02; 0.064 TYP OC; 2.71 TPY Nox: 0.72 TYP Co.

Source: Air Permits 2/4/95

13. Does the building have domestic water service? (Yes) No
Is there bottled water? Yes (No)

14. Does the building discharge to the storm sewer? (Yes) No
Where?

15. Does the building discharge to the sanitary sewer? (Yes) No
Where?

16. Has an asbestos survey been conducted? Yes
What are the results? Yes

Source: Technical Manual MD-10391, Issue 3 Asbestos Program Manual 9/6/95

9.22-46

Building Manager's Questionnaire

Building Name: P Building Manager: A.W. Upshaw Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

17. Does the building contain transformers or capacitors? No

Source: PCB ANNUAL DOCUMENT LOG

18. Has the building been identified as containing PCBs? No

Source: PCB ANNUAL DOCUMENT LOG

19. What chemicals are used or stored inside or outside of the building? Include compressed gasses not in large tanks.

Chemical Name	State	Amount (MAX)
~~NONE~~ SEE ATTACHED		
INVENTORY		

Source: Chemical Inventory 1994

9.22-47

Building Manager's Questionnaire

Building Name: P Building Manager: A.W. Upshaw Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

20. Has there been a reported spill, leak, or other release of any chemical? (Yes) No
What, how much, and what clean-up measures were followed?

Chemical	Amount	Clean-up Measures
#2 FUEL OIL	80	CONTAINED, ABSORBANT,
		ABSORBANT & DIRT REMOVED,
		CONTAINED, CHARACTERIZED
		AND TURNED OVER TO WM

Source: SEE ATTACHED OCCURRENCE REPORT

21. Where do waste chemicals go?

PROCESSED THROUGH WASTE MANAGE-
MENT

22. What janitorial supplies are stored inside or outside of the building?

STANDARD FOR SITE.

23. Where do excess janitorial supplies go?

VERY RARELY [illegible] ANY
EXCESS SUPPLIES. IF SO THEY ARE
PROCESSED THROUGH WASTE MANAGEMENT

Source: _____

24. Are pesticides or herbicides stored or used in or around the building? Yes (No)

Chemical	Amount	Chemical	Amount

Source: _____

9.22-48

Building Manager's Questionnaire

Building Name: P Building Manager: A.W. Upshaw Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

25. Does the building contain active or inactive above ground storage tanks? Yes No
For each tank, list the content, quantity, last inspection, registration number.

Registration Number	Content	Quantity	Last Inspection Date	Preventive Maintenance Performed	Inside Or Outside
68476-34-6	DIESEL FUEL	140 GAL		Y/N	
7782-50-5	CHLORINE	01C		Y/N	
68476-30-2	NO.2 FUEL OIL	04C		Y/N	
7664-93-9	SULFURIC ACID	01C		Y/N	
				Y/N	

THESE DO - BELONG TO THE NEW HOUSE

CYLINDER REMOVED - NEW TANK

SMALL GLASS JUG & LIT

Source: Emergency and Hazardous Chemical Inventory Form - Chemical Storage Tanks on EGG Mound Site Owned and Maintained by Outside Contractors 8/8/94

26. Is there a sump or pit or underground tank in or around the building?
Yes No Unknown
Is it double-walled? What does it contain? How many days per year is it filled?
Is there an emergency overflow tank? Have there been previous overflows?

Double-Walled	Contents	Days/Year in Use	Overflow Tank	Previous Overflow
Y / N	SALT BRINE	[illegible]	Y / N	Y / N

Source: _____

27. Does the building generate, store, or dispose of hazardous waste? Yes No

Materials	Amount

Source: _____

08-3149

0857091196 T005 PTO

APS PREMISE

9.22-49

Building Manager's Questionnaire

Building Name: P Building Manager: A.W. Upshaw Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

28. Does the building have abandoned process equipment such as tanks, piping, containers, etc.? Yes No
SOME PIPING

29. Is waste material stored in or around the building for more than 90 days?
Yes No

30. Has the building been identified as a 90-day waste accumulation area?
Yes No

31. Has any area in the building been identified as a satellite accumulation area?
Yes No

32. Is mixed waste generated, stored, or disposed of from the building? Yes No
Where are logs found?

Process	Waste	Stored	Disposed	Logs
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N

Source: _____

9.22-50

Building Manager's Questionnaire

Building Name: P Building Manager: A.W. Upshaw Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

33. Is TRU radioactive waste generated, stored, or disposed of from the building?
Yes No
Where are logs found?

Process	Waste	Stored	Disposed	Logs
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N

Source: _____

9.22-51

Building Manager's Questionnaire

Building Name: P Building Manager: A.W. Upshaw Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

34. Is low-level radioactive waste generated, stored, or disposed of from the building? Yes No
Where are logs found?

Process	Waste	Stored	Disposed	Logs
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N

Source: _____

35. Identify all administrative orders, temporary or permanent injunctions, civil administrative penalties, or criminal activities issued against the building.

9.22-52

Building Manager's Questionnaire

Building Name: P Building Manager: A.W. Upshaw Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

36. Is there a waste minimization program in the building? (Yes) No
Discuss your ideas about how to minimize waste.

ALL DRUMS ARE RETURNED TO VENDOR & RECYCLED.
ALL GLYCOL IS RETURNED TO SYSTEM WHEN SYSTEM MAINTENANCE IS PERFORMED.

37. Has a pollution prevention program been developed for the building? (Yes) No

CFC'S ARE CONTROLLED PER REGULATIONS.

GENERATOR OIL IS TESTED PRIOR TO ANY CHANGE. IF OK OIL CHANGE IS WAIVED.

9.22-53

1995 CALENDAR YEAR

CHEMICAL	MANUFACTURER	MAX. DAY AMOUNT	APPROX. 1995 USE	TYPICAL AMOUNT	# OF DAYS Held	BLDG. and ROOM	CHEM FORM	CHEM STATE	STORAGE CODE	PRESSURE CONDITION	TEMP COND	MSDS?
FLY ASH	TRANS-ASH		650 SOLB-BG	2 DRUMS	180	113	P	P.S	A	1	4	✓
SORBOND			575 SOLB-BG			113	P	P.S	A.	1	4	✓
REDUCITE	H.V.C. INC		(55-G) 4DRS			112	M	M.L	E	1	4	✓

[redacted] 1/7/96

SUPERVISOR H.P.# DATE

AUTHORIZED DERIVATIVE CLASSIFIER DATE

PLEASE ASSURE THAT ONLY VALID QUANTITY UNITS REPORTED AS DESCRIBED ON BACK OF FORM

The Authorized Derivative Classifier certifies that the information contained on this form is UNCLASSIFIED (if applicable for area)

9.22-54

1994
CHEMICAL INVENTORY
FOR SUPERVISORS

CHEMICAL	SUPERVISOR		1994 MAXIMUM AMOUNT	1994 APPROX USE	1994 TYPICAL AMOUNT	1994 NO. DAYS	BLDG	ROOM	CHEM FORM	CHEM STATE	STORAGE CODE	PRESS COND	TEMP COND	MSDS
D.P.D. TOTAL-CHLORINE REAGENT	FRANK	RAKER	4.00 L	18.00 L	4.00 L	365	POW. HOUS		M	S	N	1	4	Y
D.P.D. FREE-CHLORINE REAGENT	FRANK	RAKER	4.00 L	18.00 L	4.00 L	365	POW. HOUS		M	S	N	1	4	Y
BROMTHYMOL BLUE INDICATOR	FRANK	RAKER	0.00	8.00 OZ	4.00 OZ	365	POW. HOUS		M	L	N	1	4	Y
CRESOL RED	FRANK	RAKER	0.00	8.00 OZ	4.00 OZ	365	POW. HOUS		M	L	N	1	4	Y
MOLYBDENUM INDICATOR POWDER	FRANK	RAKER	0.00	200.00 G	50.00 G	365	POW. HOUS		M	L	M	1	4	Y
MOLYBDENUM OXIDIZING REAGENT	FRANK	RAKER	0.00	8.00 OZ	4.00 OZ	365	POW. HOUS		M	L	N	1	4	Y
MOLYBDENUM BUFFER REAGENT	FRANK	RAKER	0.00	18.00 OZ	6.00 OZ	365	POW. HOUS		M	L	N	1	4	Y
BUFFER PH 7.0	FRANK	RAKER	0.00	2.00 QT	1.00 QT	365	POW. HOUS		M	L	N	1	4	Y
BUFFER PH 10.0	FRANK	RAKER	0.00	2.00 QT	1.00 QT	365	POW. HOUS		M	L	N	1	4	Y
FERROZINE IRON	FRANK	RAKER	0.00	10.00 OZ	2.00 OZ	365	POW. HOUS		M	S	N	1	4	Y
REAGENT SOLUTION PILLOWS	FRANK	RAKER	0.00	10.00 G	2.00 G	365	POW. HOUS		M	S	K	1	4	Y

9.22-56

1994
CHEMICAL INVENTORY
FOR SUPERVISORS

CHEMICAL	SUPERVISOR	1994 MAXIMUM AMOUNT	1994 APPROX USE	1994 TYPICAL AMOUNT	1994 NO. DAYS	BLDG	ROOM	CHEM FORM	CHEM STATE	STORAGE CODE	PRESS COND	TEMP COND	MSDS
SULFURIC ACID N/50	FRANK RAKER	0.50 GA	2.00 GA	0.50 GA	365	POW. HOUS		M	L	N	1	4	Y
HARDNESS TITRATING SOLUTION	FRANK RAKER	0.50 GA	1.00 GA	0.50 GA	365	POW. HOUS		M	L	N	1	4	Y
TOTAL HARDNESS INDICATOR	FRANK RAKER	50.00 G	300.00 G	50.00 G	365	POW. HOUS		M	S	N	1	4	Y
TOTAL HARDNESS BUFFER	FRANK RAKER	200.00 G	800.00 G	200.00 G	365	POW. HOUS		M	S	N	1	4	Y
IODIDE IODATE	FRANK RAKER	0.50 GA	1.00 GA	0.50 GA	365	POW. HOUS		M	L	N	1	4	Y
SULFIFE INDICATOR POWDER	FRANK RAKER	25.00 G	100.00 G	25.00 G	365	POW. HOUS		M	S	N	1	4	Y
MOLYBDATE	FRANK RAKER	2.00 QT	1.00 GA	2.00 QT	365	POW. HOUS		M	L	N	1	4	Y
STANNOUS-CHLORIDE POWDER	FRANK RAKER	50.00 G	100.00 G	50.00 G	365	POW. HOUS		M	S	N	1	4	Y
NEUTRALIZING SOLUTION	FRANK RAKER	0.50 PT	1.00 PT	0.50 PT	365	POW. HOUS		M	L	N	1	4	Y
CONDUCTIVITY STANDARD	FRANK RAKER	0.50 GA	1.00 GA	0.50 GA	365	POW. HOUS		M	L	N	1	4	Y
C.A.N. SOLUTION	FRANK RAKER	6.00 OZ	16.00 OZ	6.00 OZ	365	POW. HOUS		M	L	N	1	4	Y

1994
CHEMICAL INVENTORY
FOR SUPERVISORS

CHEMICAL	SUPERVISOR		1994 MAXIMUM AMOUNT	1994 APPROX USE	1994 TYPICAL AMOUNT	1994 NO. DAYS	BLDG	ROOM	CHEM FORM	CHEM STATE	STORAGE CODE	PRESS COND	TEMP COND	MSDS
C.O.D. SOLUTION (SD)	FRANK	RAKER	900.00 ML	2700.00 ML	900.00 ML	365	POW. HOUS		M	L		1	4	Y
ANCOSTEAM 2010(CONDENSATE)	FRANK	RAKER	1.00 GA	275.00 GA	100.00 GA	365	POW. HOUS		M	L	E	1	4	Y
BRAXON #2 (PHOSPHATE)	FRANK	RAKER	10.00 GA	15.00 GA	10.00 GA	365	POW. HOUS		M	L	E	1	4	Y
ANCOTREAT 1310	FRANK	RAKER	3.00 GA	715.00 GA	150.00 GA	365	POW. HOUS		M	L	E	1	4	Y
OX-GEM (SULFIFE)	FRANK	RAKER	200.00 LB	400.00 LB	200.00 LB	365	POW. HOUS		M	S	I	1	4	Y
ANCOOL 3710	FRANK	RAKER	30.00 GA	60.00 GA	30.00 GA	365	POW. HOUS		M	L	E	1	4	Y
SILVER NITRATE	FRANK	RAKER	0.50 GA	1.00 GA	0.50 OZ	365	POW. HOUS		M	L	M	1	4	Y
PHENOLPHTHALEIN	FRANK	RAKER	6.00 OZ	14.00 OZ	6.00 OZ	365	POW. HOUS		M	L	N	1	4	Y
SODIUM CARBONATE N/10	FRANK	RAKER	6.00 OZ	14.00 OZ	6.00 OZ	365	POW. HOUS		M	L	N	1	4	Y
METHYL ORANGE	FRANK	RAKER	6.00 OZ	10.00 OZ	6.00 OZ	365	POW. HOUS		M	L	N	1	4	Y
HYDROGEN-PEROXIDE	FRANK	RAKER	1.00 QT	2.00 QT	1.00 QT	365	POW. HOUS		M	L	M	1	4	Y

9.22-58

1994 CHEMICAL INVENTORY FOR SUPERVISORS

CHEMICAL	SUPERVISOR		1994 MAXIMUM AMOUNT	1994 APPROX USE	1994 TYPICAL AMOUNT	1994 NO. DAYS	BLDG	ROOM	CHEM FORM	CHEM STATE	STORAGE CODE	PRESS COND	TEMP COND	MSDS
M519 CS TEAR GAS HAN-BALL GRENADE	RON	PARR	414.00 G	0.00 G	414.00 G	365	GP-1	21	M	L	R	1	4	Y
MODEL SGA-300 1.50" TEAR GAS PROJECTILE	RON	PARR	68.40 G	0.00 G	68.40 G	365	GP-1	21	M	L	R	1	4	Y
ANTIFOAM BW	FRANK	RAKER	15.00 GA	5.00 GA	15.00 GA	365	POW. HOUS		M	L	E	1	4	Y
LIQUID NEUTRALIZER	FRANK	RAKER	30.00 GA	20.00 GA	30.00 GA	365	POW. HOUS		M	L	D	1	4	Y
ANCOCIDE 4070	FRANK	RAKER	60.00 GA	145.00 GA	60.00 GA	365	POW. HOUS		M	L	E	1	4	Y
ANCOCIDE 4020	FRANK	RAKER	60.00 GA	145.00 GA	60.00 GA	365	POW. HOUS		M	L	E	1	4	Y
ANCO 3310	FRANK	RAKER	300.00 GA	1420.00 GA	300.00 GA	365	POW. HOUS		M	L	J	1	4	Y
✓GEMCLOR 12.5 HYPOCHLORITE (CHLORINE) sb/PH	FRANK	RAKER	330.00 GA	2310.00 GA	330.00 GA	365	POW. HOUS		P	L	E	1	4	Y
DOWTHERM SRI (GLYCOL)	FRANK	RAKER	825.00 GA	275.00 GA	825.00 GA	365	POW. HOUS		M	L	D	1	4	Y
✓ANCO 8510	FRANK	RAKER	1650.00 GA	1825.00 GA	165.00 GA	365	POW. HOUS		M	L	E	1	4	Y
✓ANCO 8007	FRANK	RAKER	110.00 GA	165.00 GA	110.00 GA	365	POW. HOUS		M	L	E	1	4	Y

1994 CHEMICAL INVENTORY FOR SUPERVISORS

CHEMICAL	SUPERVISOR		1994 MAXIMUM AMOUNT	1994 APPROX USE	1994 TYPICAL AMOUNT	1994 NO. DAYS	BLDG	ROOM	CHEM FORM	CHEM STATE	STORAGE CODE	PRESS COND	TEMP COND	MSDS
STANDARD ZERO	FRANK	RAKER	0.00	4.00 QT	2.00 QT	365	POW. HOUS		M	L	N	1	4	Y
BUFFER REAGENT	FRANK	RAKER	0.00	48.00 QT	12.00 QT	365	POW. HOUS		M	L	N	1	4	Y
INDICATOR REAGENT	FRANK	RAKER	0.00	40.00 G	8.00 G	365	POW. HOUS		M	L	N	1	4	Y
CALCIUM CHLORIDE STANDARD SOLUTION	FRANK	RAKER	0.00	4.00 QT	2.00 QT	365	POW. HOUS		M	L	N	1	4	Y
POTASSIUM CHROMATE INDICATOR	FRANK	RAKER	0.00	14.00 OZ	6.00 OZ	365	POW. HOUS		M	L	N	1	4	Y
REDUCITE	FRANK	RAKER	0.00	4.00 GA	1.00 GA	365	POW. HOUS		M	L	N	1	4	Y
ANCOOL (~~8400~~ 3400)	FRANK	RAKER	1100.00 GA	0.00 LB	825.00 GA	365	POW. HOUS	24	M	L	N	1	4	Y
FUEL OIL #2	FRANK	RAKER	30075.30 GA	1000.00 GA	30075.30 GA	365	POW. HOUS	OUTS D	P	L	B	1	4	Y
SODIUM CHROMATE TETRAHYDRATE	ROY	SCHUMACHER	100.00 G	0.10 G	100.00 G	365	E	167		PS	N	1	4	Y
OXYGEN	ROY	SCHUMACHER	200.00 CF	100.00 CF	200.00 CF	365	E	167		PG	L	1	4	Y
GLYCERIN	ROY	SCHUMACHER	500.00 ML	0.00	500.00 ML	365	E	23		PL	M	1	4	Y
1-AMINO-2-NAPHTOL-4-SULFONIC ACID	ROY	SCHUMACHER	100.00 G	1.00 G	100.00 G	365	E	167		PS	M	1	4	Y

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ALO-DA-EGGM-EGGMAT04-1993-0016
11/09/1993

OCCURRE

Post-it® Fax Note 7671	Date	# of pages ▶ 6
To ALLEN UPSHAW	From KATHY KOEHLER	
Co./Dept.	Co.	
Phone #	Phone #	
Fax # 5066	Fax # 3724	

All Other Facilities

(Name o

Balance-of-Plant

(Facility Function)

NOV 16 1993

Mound Plant / EG&G Mound Applied Technologies

(Name of Laboratory, Site or Organization)

Name: Yonko, Jon D.
Title: Manager, Facilities Maint. & Util. Telephone No.: (513)865-3151

(Facility Manager/Designee)

Name: Kathy G. Koehler
Title: Site Grounds Manager Telephone No.: (513)865-4886

(Originator)

Name: J. D. Yonko Date: 11/02/1993

(Authorized Classifier (AC))

1. OCCURRENCE REPORT NUMBER: ALO-DA-EGGM-EGGMAT04-1993-0016
   Fuel Oil Spill - Day Tank - Powerhouse

2. REPORT TYPE AND DATE:

	Date	Time
[ ] Notification	09/23/1993	1007 MTZ
[ ] 10 Day	10/06/1993	1444 MTZ
[ ] 10 Day Update		
[X] Final	11/08/1993	0711 MTZ

3. OCCURRENCE CATEGORY:
   [ ] Emergency [X] Unusual [ ] Off-Normal [ ] Cancelled

4. DIVISION OR PROJECT: EG&G Mound Applied Technologies

5. DOE PROGRAM OFFICE:
   DP - Defense Programs

DERIVATIVE CLASSIFIER
Jon Yonko
(Name)
Mgr., Plant & Util.
(Title)
11/24/93
(Date)

6. SYSTEM, BLDG., OR EQUIPMENT:
   Underground Tank System at Powerhouse

7. UCNI?: No

8. PLANT AREA: Main Hill

9. DATE AND TIME DISCOVERED:
   09/22/1993 1415 (ETZ)

10. DATE AND TIME CATEGORIZED:
    09/22/1993 1625 (ETZ)

11. DOE NOTIFICATION:

09/22/1993	1430 (ETZ)	Fred Holbrook	DOE/DAO

12. OTHER NOTIFICATIONS:

09/23/1993	0935 (ETZ)	Raymond Bauman	BUSTR
09/23/1993	0900 (ETZ)	Mike Adcock (Miamisburg)	FD
09/22/1993	1720 (ETZ)	Doyl Woodward	DOE/AL
09/22/1993	1700 (ETZ)	Abdul Dasti	DOE/HQ
09/22/1993	1700 (ETZ)	Mike Wyatt (HQ/EOC)	DOE/HQ

13. SUBJECT OR TITLE OF OCCURRENCE:
Fuel Oil Spill - Day Tank - Powerhouse

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14. NATURE OF OCCURRENCE:
02) Environmental
B. Hazardous Substances/Regulated Pollutants/Oil Releases

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15. DESCRIPTION OF OCCURRENCE:
On 9/22/93 at approximately 1415 hours (ETZ), one of four 25,000 gallon day tanks (tank 4 located at the Powerhouse) containing number 2 fuel oil was overfilled during a fuel oil transfer from tank 1 to tank 4. This transfer operation was done while operating the boilers on fuel oil as a part of the annual training exercise for switching boiler firing from natural gas to fuel oil. Following the training exercise, the number 4 tank was being topped out to prepare it for annual hydrostatic testing as required by Bureau of Underground Storage Tank Regulations (BUSTR). During the fuel transfer operation, a powerhouse operator was stationed at tank 4 to monitor and control the tank filling operation by visually observing the fuel oil level through a 4 inch diameter vent stub. As the tank was nearing capacity, the operator stated that there was a sudden surge of fuel oil up the vent stub thus spilling fuel oil onto the ground. The operator then proceeded to close the valve to stop flow. Within two hours of the spill, preliminary estimates indicated approximately 125 gallons of number 2 fuel oil may have been released. To verify fuel oil inventory, dip stick measurements were utilized in each of the four tanks. The accuracy of these readings is + or - 1/8 inch which corresponds to a total inventory accuracy of approximately 50 gallons. Subsequent calculations upon fuel oil return from the transfer system lines indicated that approximately 80 gallons of fuel oil had spilled. The spilled fuel oil migrated to a local storm sewer and into the storm drainage system. The HAZMAT team's immediate response actions prevented an oil release off-site. Fuel oil was not released to navigable waterways.

There were no personnel injuries, no impacts to safety systems or production, and no press or congressional inquiries are likely. No press release is planned.

Fuel oil spills are exempt from reporting under CERCLA. This

15. DESCRIPTION OF OCCURRENCE: (continued)
spill occurred on site thus DOT regulations are not applicable. Fuel oil was not released to a navigable waterway and therefore not reportable under the Clean Water Act. The four day tanks at the powerhouse are not registered by the Ohio Fire Marshal because their contents are used for heating purposes. Although they are not registered, BUSTR corrective measures for spills and overflows do apply. BUSTR regulations under the Ohio Fire Marshal require that fuel oil spills or overfills which exceed 25 gallons be reported to the Ohio Fire Marshal and the local fire department (Miamisburg, Ohio) within 24 hours of discovery (Reference OAF 1301:7-9-13C).

This Occurrence Report was reviewed by an Authorized Derivative Classifier (J. D. Yonko, Mgr., Facilities Maintenance & Utilities) on 11/02/93 at 1100 hours (ETZ) and contains no Classified or UCNI Information.

16. OPERATING CONDITIONS OF FACILITY AT TIME OF OCCURRENCE:
Normal Plant Operating Hours

17. ACTIVITY CATEGORY:
Normal Operations

18. IMMEDIATE ACTIONS TAKEN AND RESULTS:
The sluice gates were immediately closed to divert storm water to the overflow pond onsite. The HAZMAT team quickly responded at the spill site for containment. HAZWOPER trained employees were utilized in the asphalt pavement and storm system clean-up operations which concluded at 1930 hours (ETZ). Absorbents were placed at four locations in the storm drainage system. Fuel oil was only visible on the absorbent in the first location downstream from the spill (Post 5). Absorbents in the storm drainage system were utilized until there was no evidence of contamination. Fuel oil stained soil on the berm area above tank 4 were tarped as a precautionary measure in the event of rain. The tarp will be removed once the threat of rain has ceased to allow natural aeration. In the Fall of CY94, a currently funded line item project will remediate fuel oil contaminated soil and replace the four 25,000 gallon underground tank systems with a 50,000 gallon above ground (diked) tank system complying with applicable regulations.

Public relations personnel notified the Miamisburg City Manager at 1645 hours (ETZ) on 9/22/93. Miamisburg's Fire Department (Mike Adcock, Fire Inspector - 0900 hours ETZ) and the BUSTR Division of the Ohio Fire Marshall Department (Raymond Bauman - 0935 hours ETZ) were notified on 9/23/93. The BUSTR representative recommended that the Ohio EPA Spill Hotline be called. They were called on 9/23/93 at 1015 hours (ETZ) (Julie Smith - Duty Officer) as a complimentary

18. IMMEDIATE ACTIONS TAKEN AND RESULTS: (continued)
notification.

19. DIRECT CAUSE:
2) PROCEDURE PROBLEM
B. Lack of Procedure

20. CONTRIBUTING CAUSE(S):
3) PERSONNEL ERROR
B. Inattention to Detail

21. ROOT CAUSE:
6) MANAGEMENT PROBLEM
A. Inadequate Administrative Control

22. DESCRIPTION OF CAUSE:
The direct cause of this occurrence was due to a procedural inadequacy. The operator was utilizing an existing fuel oil procedure (transfer fuel oil supply between day tanks) to accomplish the similar task of transferring fuel oil directly from one day tank to another, but with the objective of precisely "topping off" the tank. Specifically, as Tank #4 was approaching the "topped off" level at a rate of 60 gallons/minute, the return valves on Tanks #1 and #4 were not being actively positioned to retard and eventually stop flow into Tank #4. This situation directly caused Tank #4 to overflow and discharge approximately 80 gallons.

The contributing cause of this occurrence was personnel error. A lapse of visual attention on the part of the operator in sighting and measuring the rise of fuel oil in Tank #4 through the 4 inch vent stub contributed to the incident. The operator did not visually recognize that the level of fluid within the tank was accelerating as it approached being topped out.

The root cause of this occurrence was a failure by management to provide a written operator's aid to assist in preparing the underground tank for hydrostatic testing.

23. EVALUATION: (By Facility Manager/Designee)
The response actions taken by the HAZMAT team to mitigate oil migration were appropriate and implemented in an expedient manner. Soils surrounding and below the underground storage tank were not remediated. The soil around and below these four tanks is a CERCLA release site due to historical surface spills. A DOE line item project for the replacement of the existing underground day tank system with an above ground day tank is scheduled for the fall of CY94. This tank replacement project will remediate fuel oil contaminated soil prior to soil back fill and prior to the installation of the new day tank. Verification sampling will be performed to ensure

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23. EVALUATION: (By Facility Manager/Designee) (continued)
contaminated soils have been remediated.

All Ohio Administrative Code required notifications were made. Federal EPA notification for the fuel oil spill was not made nor required because oil did not migrate to water ways of the United States.

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24. IS FURTHER EVALUATION REQUIRED?: Yes [ ] No [X]

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25. CORRECTIVE ACTIONS:
(* = Date added/revised since final report was signed off)

01) Provide a written operator's aid to facilitate transfer of fuel oil between day tanks.

TARGET COMPLETION DATE: 11/02/1993 COMPLETION DATE: 11/02/1993

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26. IMPACT ON ENVIRONMENT, SAFETY AND HEALTH:
None

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27. PROGRAMMATIC IMPACT:
None

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28. IMPACT UPON CODES AND STANDARDS:
None

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29. FINAL EVALUATION AND LESSONS LEARNED:
This incident was directly caused by personnel attempting to utilize an existing procedure to achieve a similar, but more precise task. The root cause was a failure by management to provide written supplementary instructions (operator's aid) to accomplish the objective. A lapse in attention on the part of the operator contributed to the release of fuel oil. The lesson learned regarding this incident was that management needs to clarify procedures when they are being used for other than their intended purpose.

It should be noted that the funded ES&H line item project for the fuel oil system upgrade will remove these day tanks in late FY94 which will eliminate the need for "topping off" and the hydrostatic tests. If the project is delayed to FY95, then the procedure will be done one more time.

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30. SIMILAR OCCURRENCE REPORT NUMBERS:
1) None
2)

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31. DOE FACILITY REPRESENTATIVE INPUT:

Entered by: Date:

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32. DOE PROGRAM MANAGER INPUT:

Entered by: Date:

---

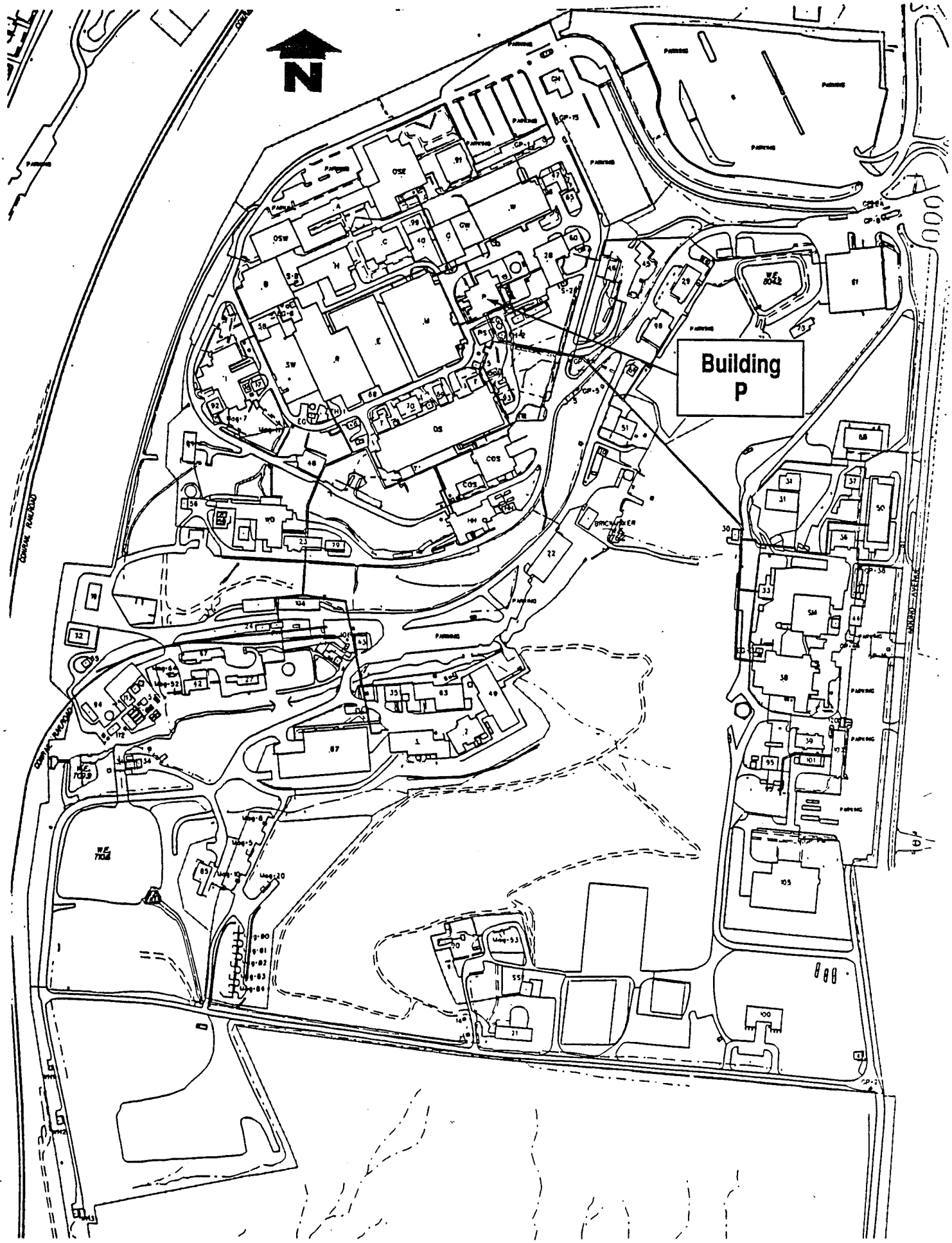
33. SIGNATURES:

Approved by: Yonko, Jon D. Date: 11/04/1993
Facility Manager/Designee Telephone No.: (513)865-3151

Approved by: MATTHEWS, PAUL O. Date: 11/04/1993
DOE Facility Representative/Designee Telephone No.: (513)865-5085

Approved by: KUMAR, RAMENDRA Date: 11/08/1993
DOE Program Manager/Designee Telephone No.: (301)903-2865

9.22.6.3 Location of Building P



SOURCE: Operable Unit 9, Site Scoping Report: Volume 7-Waste Management Mound Plant, 7-92

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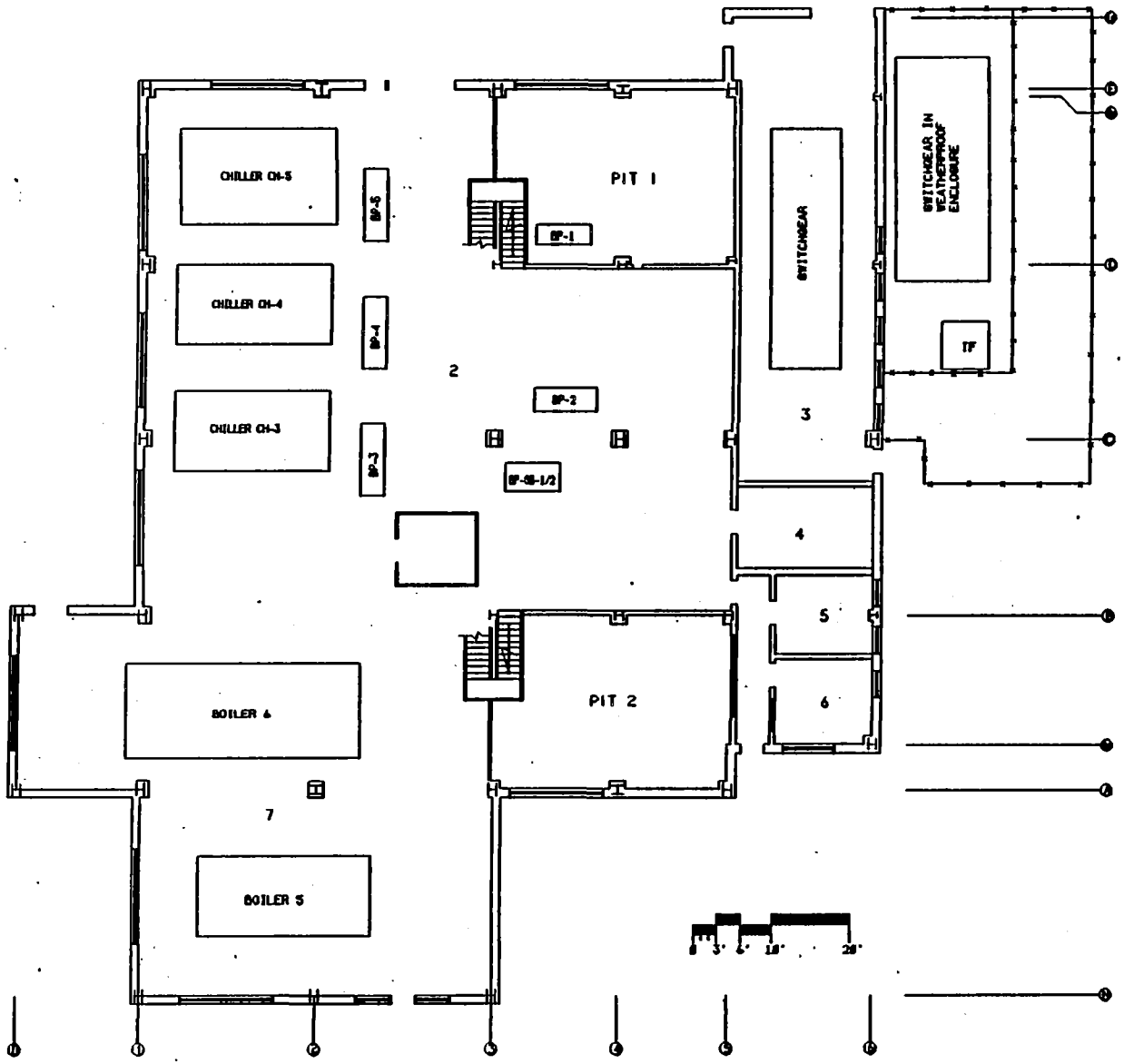
9.22.6.4 Floor Plans for Building P

ISS	DATE	REVISION	BY	CHKR	ENG	LPNED	APVD	N
0	12/12/91	ASBUILT ISSUE	DCM				DVD	



DERIVATIVE CLASSIFIER

K D Myers

Sr. Class. Anal. 2/20/96

(Title) (Date)

P BLDG
FIRST FLOOR
BLDG CODE:3511

APPROVALS:	DATE:
SAFETY COMMITTEE REQUIRED: ___NONE ___TRUEBOC ___TEBOC ___EMBOC	
TECH. REWP.	
SR. MGR.	
TRUEBOC	
TEBOC	
EMBOC	

NOT FOR PUBLIC DISSEMINATION

MAY CONTAIN UNCLASSIFIED CONTROLLED NUCLEAR INFORMATION SUBJECT TO SECTION 148 OF THE ATOMIC ENERGY ACT OF 1954, AS AMENDED (42 USC 2168). APPROVAL BY THE DEPARTMENT OF ENERGY PRIOR TO RELEASE IS REQUIRED.

DESIGN ENG	PROJ MGR
BROWS	ENG MGR
LP & EC	PEER REV
ENG MGR	
APVD	DATE

SHEET	1	2	3	4	5	6
ISSUE	0	0				

PART CLASSIFICATION

DRAWING CLASSIFICATION: UCNI

TITLE: P BLDG FLOOR PLANS

(U) TITLE CLASSIFICATION

SIZE: C | DRAWING NUMBER: FSC911317 | JOB NUMBER: 12335

DWG TYPE: SFP | PRIM: P BLDG | CHKR: 14865 | SCALE: AS NOTED | SHEET 1 OF 2

STATUS: MD-REL-12/12/91 | ORIGIN: MD-BR3-V3.J

9.22-73

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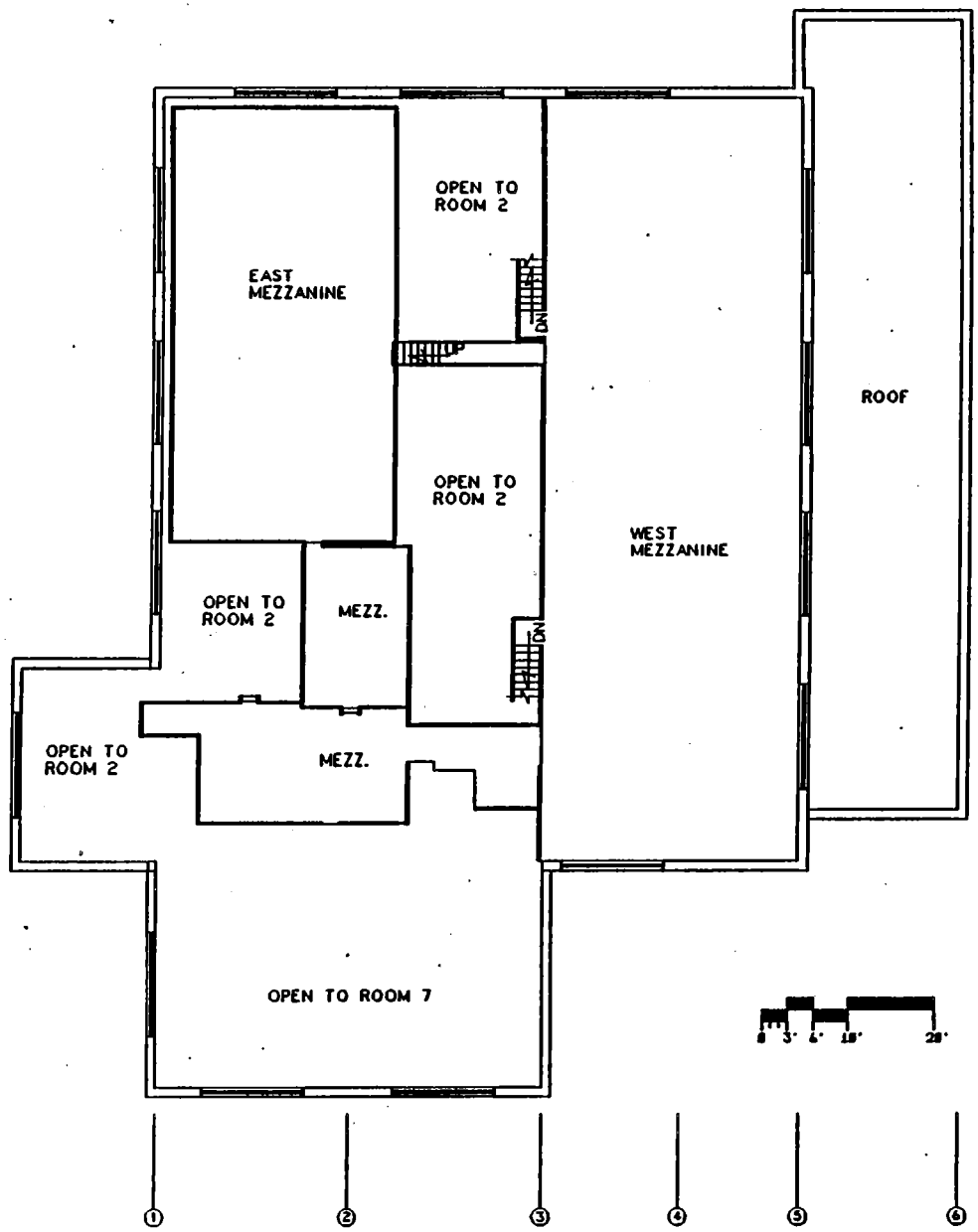

UNCLASSIFIED

DERIVATIVE CLASSIFIER

K D Myers

for Class. Anal. 2/20/96

(Title) (Date)

P BLDG MEZZANINE BLDG CODE:3511

NOT FOR PUBLIC DISSEMINATION

MAY CONTAIN UNCLASSIFIED CONTROLLED NUCLEAR INFORMATION SUBJECT TO SECTION 148 OF THE ATOMIC ENERGY ACT OF 1954, AS AMENDED (42 USC 2168). APPROVAL BY THE DEPARTMENT OF ENERGY PRIOR TO RELEASE IS REQUIRED.

DRAWING NUMBER FSC911317		JOB NUMBER 12335
DRAWING CLASSIFICATION UCNI		
SIZE C	CODE 14065	SCALE AS NOTED
	ISSUE 0	SHEET 2
STATUS MD-REL-12/12/91		

9.22-75

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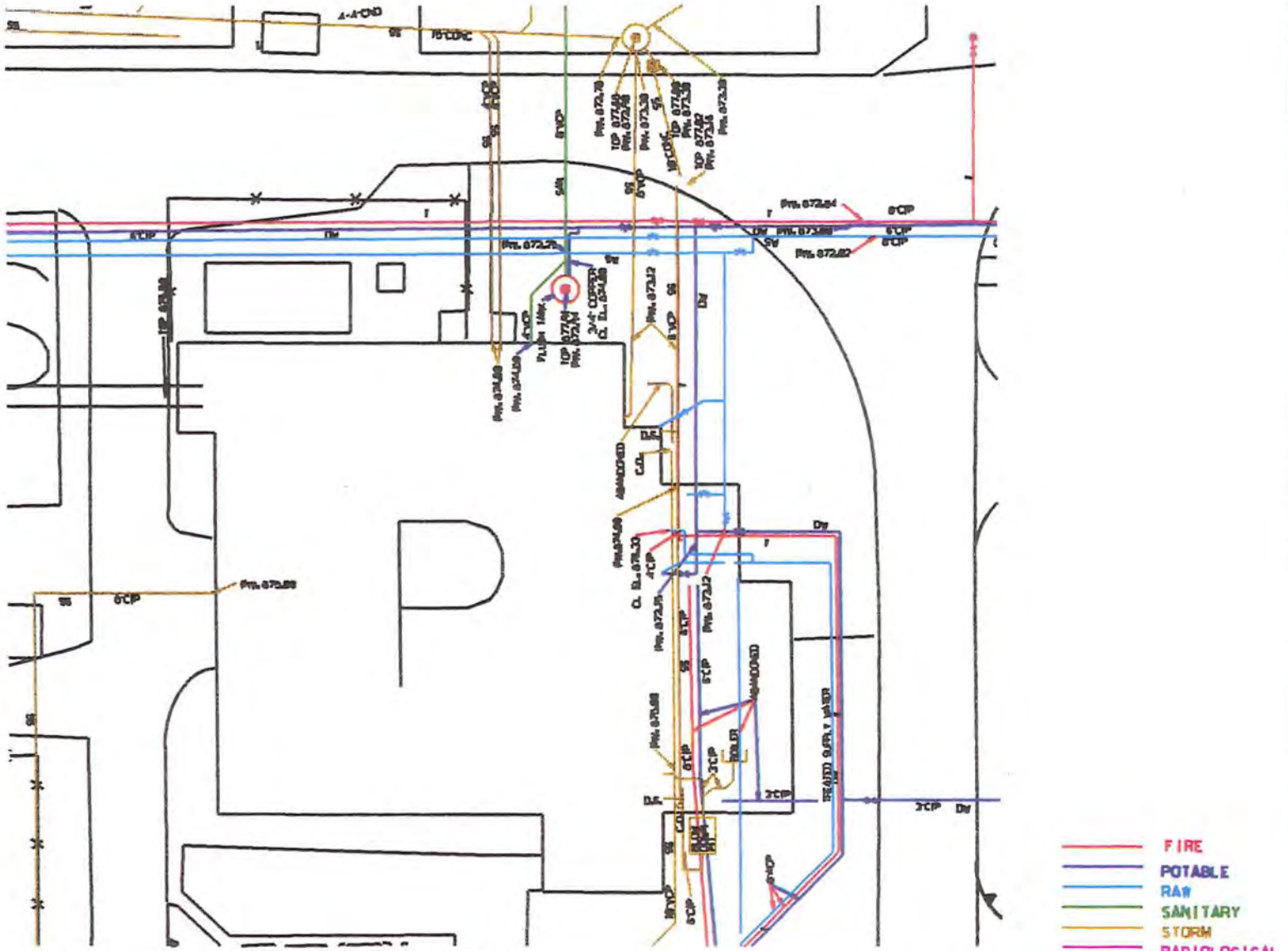
9.22.6.5 Underground Utility Lines



UNCLASSIFIED

E.G. & G. - MOUND

UNDERGROUND WATER & WASTE LINES
P BLDG.

DATE: 2/29/96

9.22-79

9.22.6.6 Photographs

Mound Plant Building P

9.22-83

9.23 Building PH

9.23 BUILDING PH

9.23.1 Scope of Building PH Report

In late 1995 and the early months of 1996, EG&G MAT performed a review of environmental conditions at the Mound Plant. The purpose was to develop a performance baseline, and to identify areas for improvement on a building and a sitewide basis. EG&G MAT did not perform a "due diligence" or Phase I Environmental Site Assessment as specified by ASTM 1527 or ASTM 1528. The scope of the appraisal effort and a discussion of the appraisal methodology are detailed in Sections 2.0 and 5.0, found in Volume 1 of this report.

The appraisal team performed a walk-through of Building PH on the morning of January 22, 1996. The Environmental Appraisal Checklist (EAC) was used to record findings. The EAC is included as Attachment 1 (Section 9.23.6.1). The appraisers were accompanied by the building manager. Other information was supplied by the building manager and recorded on the Building Manager's Questionnaire (BMQ), included as Attachment 2 (Section 9.23.6.2).

9.23.2 Description of Building PH

Building PH is a 646-square-foot concrete block structure with built-up membrane roof. Its location is shown in Attachment 3 (Section 9.23.6.3). The building is bounded by Building 24 to the west, the Mound Conrail spur to the south, the Lower Hill access road to the north and open pavement to the west. Floor plans are presented in Attachment 4 (Section 9.23.6.4). The facility is serviced by central steam heat, a window unit air conditioner and 480V three-phase power.

Building PH was constructed in 1948 to house the pumps used to pump fuel oil to the powerhouse. The facility no longer serves its original design intent and the pumps have been removed. The facility now houses a steam line condensate pump and is used for miscellaneous storage of powerhouse supplies and some contractor supplies. The brine line for the Building 24 zeolite softening bed recharge passes through Building PH. No research, development, or production activities using radioactive or energetic materials have occurred in the building (*Mound Facility Physical Characterization*, 12-1-93).

9.23.3 Summary of Findings

On the day of the inspection appraisers noted that Building PH was not well-maintained with regards to general housekeeping. There was one issue of environmental concern noted during the walk-through.

9.23.4 Observations

9.23.4.1 Air Emissions

There are no fumehoods or other sources of air emissions. There is no evidence of fugitive dust.

9.23.4.2 Wastewater Emissions

The Mound Facility has three wastewater collection systems: a sanitary wastewater system; a storm water system; and a radioactively contaminated process wastewater system. Sanitary wastewater is treated at an onsite tertiary treatment plant and subsequently discharged by hard pipe to the Great Miami River. Storm water and any non-process wastewater, single pass cooling water, and softener backwash may be discharged directly to the Great Miami River, via the Miami-Erie Canal, or may be diverted to a 3.1-million-gallon holding pond for settling prior to discharge. Radioactively contaminated wastewater is treated in Building WD by physical-chemical treatment. If appropriate, wastewater may be discharged by hard pipe to the Great Miami River. If concentrations of radioactive contaminants cannot be reduced to acceptable levels, wastewater is solidified and shipped to the Nevada Test Site or Envirocare for disposal. All outfalls are permitted under an active NPDES permit. Routine monitoring activities are in place. Based on NPDES monitoring report data reviewed, it appears that the facility is in compliance with qualitative and quantitative conditions of the permit.

9.23.4.2.1 Sanitary Wastewater

The facility is not serviced by a sanitary sewer line, according to the diagram of underground utility lines presented in Attachment 5 (Section 9.23.6.5).

9.23.4.2.2 Storm Wastewater

The facility is not serviced by a storm sewer according to the diagram in Attachment 5 (Section 9.23.6.5). The storm water becomes part of the surface water and is either absorbed into the ground or flows into the nearest storm drain inlet.

9.23.4.2.3 Chemicals

There are no chemicals used or stored in the facility according to the 1994 chemical inventory. There is a zeolite softening bed brine recharge process line, unrelated to Building PH operation, which passes through the facility. A substantial amount of solid precipitate was noticed around a valve fixture on this line. This indicates the brine solution was leaking out of the valve.

9.23.4.3 Potable and Service Water

The facility does not have potable or service water.

9.23.4.4 Chemical Storage and Hazardous Materials

There no chemicals stored in Building PH.

A review of the Mound Active Underground Storage Tank Plan and visual inspection indicated there are no underground storage tanks in or around the building. Additionally, visual inspection

revealed there are no aboveground storage tanks in or around the facility. There are no sumps, separators or catch basins, in or around the building.

The building has been tested and does contain asbestos-containing building material (MD-10391, *Asbestos Program Manual*, 9-14-95). There was no evidence of friable asbestos noted during the facility walk-through.

There are no capacitors or transformers containing polychlorinated biphenyls (PCB's) located in the building (1995 PCB Annual Document Log).

9.23.4.5 Solid, Hazardous, and Radioactive Waste

There is a limited amount of paper waste (cardboard boxes, paper packaging). Solid wastes are removed by janitorial personnel to a site collection point, then shipped to a landfill by a contractor. The disposal permit is maintained by Waste Management. There is no evidence that hazardous materials or wastes are mixed with this solid waste stream.

9.23.4.5 Waste Minimization and Pollution Prevention

At Mound there is an active program to minimize waste streams in accordance with state and federal requirements and Executive Order 12856. There is a very limited amount of waste generated at the facility and little opportunity for waste minimization efforts.

9.23.5 Findings and Recommendations

Photographs were taken to document the environmental appraisal. They are included as Attachment 6 (Section 9.23.6.6). The environmental appraisal of Building PH indicates that the following action item should be planned and scheduled for accomplishment thus assuring that best management and operating practices are in place.

PH-1. It was noticed during the facility walk-through that the zeolite softening bed brine recharge line which passes through Building PH had a substantial amount of solid precipitate around a valve fixture. This indicates the brine solution is leaking out of the valve. This should be investigated.

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Environmental Appraisal of the Mound Plant

9.23.6.1 Environmental Appraisal Checklist

ENVIRONMENTAL APPRAISAL CHECKLIST

Building Name PH (PUMP HOUSE)

Appraisers:

Name	Discipline
MARCIA VANNET	CHEMIST
MARK GILLIAT	ENGINEER
MINRON SMITH	ENGINEER

Building Manager: ALLEN UPSHAW

Process Manager:

Date: 1/22/96

ENVIRONMENTAL APPRAISAL CHECKLIST

Table of Contents

Checklist	Page
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Hazardous Materials	4
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RCRA Hazardous Waste	8
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TSCA—PCB	14
Low-level and Transuranic Waste	17
Waste Minimization/Pollution Prevention Activities	22

Environmental Appraisal Checklist

Building Name: PH Appraisers: TEAM 4 Date: 1/22/96

Clean Water Act (CWA) Screening Checklist

Question	Response	Comments
Does the outside drain spouting of the building discharge directly to a storm sewer/sanitary system?	Y / N	If the answer to any of these questions is yes, proceed with the following checklist.
Are there sinks, toilets and floor drains in the building?	Y / N	
Are chemicals being used in the building?	Y / N	
Is there a process which discharges to the storm or sanitary system?	Y / N	

CWA Checklist

Regulatory Guideline	Question	Response	Comments
40 CFR 122 Appendix D Table V	If chemicals are used/stored in the building, are they on the attached list? Are they properly contained?	Y / N Y / N	BLANK
	Is the building in operation? What are the processes and where do they discharge to?	Y / N _____ _____	
	Do the floor drains, sinks & toilets appear to be draining properly?	Y / N	
OAC 3745-33	Do the floor drains and sinks drain to a sanitary or storm sewer?	Sanitary Storm	
	Is there a sump/pit in the building? If so, what does it contain? How often is it pumped out? Does water collect in sump? Does sump have secondary containment?	Y / N _____ _____ Y / N Y / N	
	Are there any manholes, catch basins, drains, or fill pipes in or around the building? If so, are there any unusual appearances, colors, and/or odors? Describe in comment section. Can chemicals flow into the drain?	Y / N Y / N Y / N	

9.23-9

9.23-10

Environmental Appraisal Checklist

Building Name: Appraisers: Date:

Clean Air Act (CAA) Screening Checklist

Regulatory Guideline	Question	Response	Comments
	Are there any rooms that have air emissions sources that vent to the outside of the building, e.g., fumehoods, equipment? If so, note the rooms.	Y/N	
OAC 3745-35	Using the air emissions inventory reference for this building, are there any sources in the building that are not documented?	Y/N	
	Is there evidence of fugitive dust emissions inside or outside of the building	Y/N	

CAA Checklist

BLANK

Regulatory Guideline	Question	Response	Comments
	Are there existing air permits or applications applicable to the building?	Y / N	
OAC 3745-31,35	If yes, are the terms and conditions of the permit or the information included on the application (see air emissions database) being followed? Note any differences and update the air emissions database.	Y / N	
OAC 3745-31	Are there any sources that are not included in the air emissions database? If so, note the room, hood number, active or not, POC, and applicable air emission database information on Table B.	Y / N	
OAC 3745-31-03	Are there sources which are lab equipment of lab fumeheads used exclusively for chemical or physical analyses and bench scale lab equipment? These sources do not require a permit. However, the air emissions database should be updated.	Y / N	
	Has there been any release of air contaminants from this building?	Y / N	

Environmental Appraisal Checklist

Building Name: PH Appraisers: TEAM 4 Date: 1/22/96

CAA Checklist

Comments: Note the number of sources/hoods per room, the number that are active, and the POC on the reference document.

TABLE A

Process Source	Room Number	Hood Number	In Database	Active	Chemicals Used	Quantity Used	Quantity to Waste Management	Hours/Yr. Operation	Air Emissions
			Y / N	Y / N					
			Y / N	Y / N					
			Y / N	Y / N					
			Y / N	Y / N					
			Y / N	Y / N					

BLANK

Source:

9.23-11

9.23-12

Environmental Appraisal Checklist

Building Name: Appraisers: Date:

Hazardous Materials (HM) Screening Checklist

Question	Response	Comments
Are any chemicals used or stored in this building, now or in the past?	Y / N *	If the answer is yes, proceed with the following checklist.

* This building housed pumps for supplying oil the the powerhouse boilers

HM Checklist

Regulatory Guideline	Question	Response	Comments
29 CFR 1910.1200(b,f)	All containers of hazardous chemicals shall be labeled as to the identity of the chemical and the appropriate hazard warnings.	Y / N	BLANK
29 CFR 1910.1200(g)	MSDS shall be available to the employees in close proximity to the work area.	Y / N	
29 CFR 1910.22, 1910.106, 1910.176	All places of employment, passageways, storerooms and service areas shall be kept clean and orderly and in a sanitary manner. Aisles shall be unobstructed. Drums and containers are not leaking and are tightly sealed.	Y / N	
29 CFR 1910.106	Storage cabinets for flammable materials are constantly kept closed, are fire resistant and are labeled "FLAMMABLE - Keep Fire Away". Containers inside should be labeled and closed. No spills inside cabinet.	Y / N	
29 CFR 1910.106(d)(7)	Incompatible chemicals are not stored together.	Y / N	
29 CFR 1910.106(d)(4)	Inside Flammable/combustible storage rooms must meet the following: 4 in. raised sill or trench that drains to a safe area, liquid tight wall/floor joints, self-closing doors, gravity or mechanical exhaust providing 6 room changes/hr., exhaust switch located outside room, at least one 3 ft. aisle; no cracks in secondary containment.	Y / N	

Environmental Appraisal Checklist

Building Name: PH Appraisers: TEAM 4 Date: 1/22/96

HM Checklist

Regulatory Guideline	Question	Response	Comments
29 CFR 1910.106(d)(7)	All flammable/combustible storage locations have at least one 12-B portable fire extinguisher located outside and within 10 ft. of a door opening into any room for storage. No smoking signs are posted.	Y / N	
29 CFR 1910.151	Eyewashes/showers shall be provided within the work area. Ensure unit is operational.	Y / N	BLANK
CGA P-1 3.3 & 3.3.10	All gas cylinders (full or empty) shall carry a legible label or marking identifying the contents.	Y / N	
CGA P-1 3.5.3	Full and empty containers should be stored separately with the storage layout planned so that containers comprising of old stock can be removed first with a minimum handling of other containers.	Y / N	
CGA P-1 3.5.8	All compressed gas containers in service or in storage shall be stored standing upright and the container shall be secured.	Y / N	
CGA P-1 4.2.2	Oxygen cylinders shall be separated from flammable gas containers or combustible materials a minimum of 20 ft. or a noncombustible barrier 5 ft. high.	Y / N	
29 CFR 1910.104(2)(10)	Oxygen stored as a liquid shall be on a noncombustible surface. Asphalt is considered combustible. Wood and long dry grass shall be cut back 15 ft. from the container.	Y / N	
29 CFR 1910.104	Bulk oxygen storage shall be permanently placarded "OXYGEN - NO SMOKING - NO OPEN FLAMES".	Y / N	
	Is there a sign posted in each work area regarding emergency egress and emergency response action?	Y / N	
	Is there an emergency response plan available?	Y / N	

9.23-13

Environmental Appraisal Checklist

Building Name: Appraisers: Date:

HM Checklist

Regulatory Guideline	Question	Response	Comments
	Is there a process area?	Y / N	
	Does it have proper containment?	Y / N	
	Is there a liquid bulk transfer area?	Y / N	
	Is there proper containment?	Y / N	
	Is there an above ground storage tank? If so, complete Table B.	Y / N	

Above Ground Storage Tanks Inventory

TABLE B—Above Ground Storage Tanks Inventory

Building	Capacity (Gal.)	Contents	Estimated Volume	In Service	Containment	Visual Stains/ Contamination	If Empty, Flushed
				Y / N	Y / N	Y / N	Y / N
				Y / N	Y / N	Y / N	Y / N
				Y / N	Y / N	Y / N	Y / N
				Y / N	Y / N	Y / N	Y / N
				Y / N	Y / N	Y / N	Y / N
				Y / N	Y / N	Y / N	Y / N
				Y / N	Y / N	Y / N	Y / N

BLANK

Source: _____

Building Name: PH Appraisers: TEAM 4 Date: 1/22/96

Safe Drinking Water Act (SDWA) Screening Checklist

Does this facility have potable water?	Y / N	If yes, conduct the following survey.

SDWA Checklist

Regulatory Guideline	Question	Response	Comments
OAC 3745 95-02 (A)	Do actual or potential cross-connections exist between potable (light green) and service water (dark green)?	Y / N	
OAC 3745 95-04 (B)(C)	Are backflow prevention devices installed where cross connections (hoses connected to faucets, hot water tank vented directly to a drain) exist?	Y / N	BLANK
	Are sources of service water (janitorial and laboratory faucets, or outdoor spigots) posted as non-potable water sources?	Y / N	
	Does the facility contain any water coolers or fountains that are not lead free? Complete Table C.	Y / N	

TABLE C—Water Fountain Survey

Building	Location	Model #	Comments / Date of Analysis for Lead

Source: _____

9.23-15

Environmental Appraisal Checklist

Building Name: Appraisers: Date:

RCRA Screening Checklist

Does this facility generate waste or use chemicals?	Y / N	If yes, conduct the following survey.

RCRA Checklist

Regulatory Guideline	Question	Response	Comments
OAC 3745 52-11	Has any material generated been characterized RCRA hazardous? Was charactarization by analysis or by process knowledge? Are lab results or documentation of process knowledge readily available? Note any uncharacterized material in comment section. Is it waste? If yes, proceed with next section.	Y / N analysis / process Y / N Y / N	BLANK
OAC 3745 52-11	Are any of the materials noted RCRA hazardous waste? If no, note and stop here. If yes, note the location of the management unit, and the method of management, and proceed with the appropriate section below.	Y / N	

Environmental Appraisal Checklist

Building Name: PH Appraisers: TEAM 4 Date: 1/22/96

RCRA Checklist

Regulatory Guideline	Question	Response	Comments
I. HAZARDOUS WASTE STORED IN CONTAINERS			
	Is there an area in the building that could qualify as a Satellite Accumulation Area?	Y / N	
	Is it treated as such?	Y / N	
OAC 3475-52-34 (C)	Has any of the RCRA hazardous waste in this building been managed in Satellite Accumulation Areas? If no, proceed to the next section. If yes, answer the following.	Y / N	
	Are the containers marked with the words hazardous waste, or other words denoting the hazard?	Y / N	
	Are the containers in good condition?	Y / N	
	Are the waste compatible with the containers?	Y / N	
	Are containers managing ignitable hazardous waste stored at least 50 feet from the plant site boundary?	Y / N	
	Are containers kept closed and locked except during filling?	Y / N	
	Are containers moved within 3 days of being filled?	Y / N	

BLANK

9.23-17

Environmental Appraisal Checklist

Building Name: Appraisers: Date:

RCRA Checklist

Regulatory Guideline	Question	Response	Comments
OAC 3745-52-11 (A)	If a Satellite accumulation area has been abandoned and/or if waste left in place, and the containers may be subject to the 90-day-storage exclusion. If this exclusion does not apply, go to the next section. If the containers have been in storage under this exclusion, answer the following:	BLANK	
	Are the containers in good condition?	Y / N	
	Are the waste compatible with the containers?	Y / N	
	Are the containers kept closed except during filling?	Y / N	
	Are the containers managed in such a way, that they are not ruptured, or leaks caused?	Y / N	
	Is the area inspected at least once weekly?	Y / N	
	Is the inspection recorded? • Where is the log? Is it properly completed, dated, and signed?	Y / N _____ Y / N	
	Are containers managing ignitable hazardous waste stored at least 50 feet from the facility boundary?	Y / N	
	Are incompatible wastes managed in such a way that they will not react with another incompatible waste?	Y / N	
OAC 3745-52-34(B)	Has any of the waste (except in Building 23, Building 72 and the Burn Area) been managed in excess of 90-days?	Y / N	
	If no go to next section.		
	If yes, note.		
	For Building 23, Building 72 & Burn Area use special checklist.		

Environmental Appraisal Checklist

Building Name: PH Appraisers: TEAM 4 Date: 1/22/96

RCRA Checklist

Regulatory Guideline	Question	Response	Comments
II. HAZARDOUS WASTE STORED IN TANKS			
OAC 3745-52-32 (B)	Has any chemical waste stored in a tank, piece of process equipment or ancillary equipment been in storage in excess of 90-days?	Y / N	
	If the answer was no, then proceed with the following:	Y / N	
	Has the tank or piece of equipment had an integrity assessment?	Y / N	
	Is there a sump?	Y / N	
	Is it dry?	Y / N	
	Does the tank or equipment have secondary containment?	Y / N	
	Does the tank or equipment have leak detection device(s)?	Y / N	
	Has spill control prevention been enacted?	Y / N	
	Has any hazardous waste stored in a tank, piece of process equipment or ancillary equipment been in storage in excess of 90-days?	Y / N	
	If the answer was no, then proceed with the following:		
	Has the tank or piece of equipment had an integrity assessment?	Y / N	
	Does the tank or equipment have secondary containment?	Y / N	
	Does the tank or equipment have leak detection device(s)?	Y / N	
	Has spill control prevention been enacted?	Y / N	
	Is there a closure plan?	Y / N	
	If yes, then note.		
OAC 3745-67	Has any of the waste been managed in a surface impoundment? If yes, then note. Go to the next section.	Y / N	

BLANK

9.23-19

9.23-20

Environmental Appraisal Checklist

Building Name: Appraisers: Date:

RCRA Checklist

Regulatory Guideline	Question	Response	Comments
OAC 3745-68	Has any of the waste been managed in a Landfill? If yes, then note. Go to the next section.	Y / N	BLANK
OAC 3745-68	Has any of the waste been managed in an Incinerator (other than Burn area units)? If yes, then note. Go to the next section.	Y / N	
OAC 3745-68	Has any of the waste been managed in a Thermal treatment Unit (other than Burn area units)? If yes, then note. Go to the next section	Y / N	
OAC 3745-69	Has any of the waste been managed in a Miscellaneous Treatment Unit (other than Burn area units)? If yes, then not. Go to the next section.	Y / N	
OAC 3745-56	Has any of the waste been managed in a Waste Pile? If yes, then note. Go to the next section.	Y / N	

General Comments:

Environmental Appraisal Checklist

Building Name: PH Appraisers: ~~1/22/96~~ TEAM 4 Date: 1/22/96

Asbestos Screening Checklist

Does this facility contain ACBM?	Y / N	If yes, conduct the following survey.

Asbestos Checklist

Note: Routinely, the asbestos standard for ACBM in schools has been applied to facilities for purpose of cleanup. In addition to AEHERA, there are additional standards in the NESHAPS that may be of importance.

Regulatory Guideline	Question	Response	Comments
ADAPTED FROM TSCA ACBM IN SCHOOLS:			
	Has this building been characterized either through process knowledge, by analyses, or by inspection to determine if it contains asbestos? If no for this building or area note this conclusion in the comment section.	Y / N	
	Is there any evidence of friable asbestos?	Y / N	
	Is the asbestos removal properly managed? (See questions listed below)	Y / N	If there is no asbestos removal, do not complete the following section.
NESHAPS FOR ASBESTOS FOR ANY ONGOING ASBESTOS REMOVAL:			
40 CFR 61.156	There are no discharges of visible emissions to the outside air from collection, processing, packaging, transporting, or deposition of ACBM during the removal.	Y / N	
40 CFR 61.152(b) (1)	ACBM is treated with water in accordance with 40 CFR 152(b)?	Y / N	
40 CFR 61.154	Is friable asbestos adequately wetted during stripping? Or, has an adequate ventilation and collection system been installed?	Y / N	
40 CFR 61.152	Is wetting continued until the waste friable asbestos is collected for disposal?	Y / N	

9.23-21

9.23-22

Building Name: Appraisers: Date:

Toxic Substances and Control Act (TSCA) PCB's Screening Checklist

Does this facility potentially contain any PCB's or PCB contaminated equipment?	Y / N	If yes, are transformers labeled (Blue or Yellow stickers)? If yes, conduct the following survey.

TSCA Checklist

Regulatory Guideline	Question	Response	Comments
40 CFR 761	Has any waste generated in, or from, this building been characterized either through process knowledge or by analyses to determine if it contains PCB's ? If the answer is no, note . If the answer is yes, proceed with next section.	Y / N	
	Based on an inspection, are any of the materials or equipment potentially PCB contaminated? If no, note and stop here. If yes, note the location of the management unit, and the method of management, and proceed.	Y / N	
40 CFR 761.65 (c) (5)	Are PCB articles or containers stored in this building checked for leaks at least once every 30 days?	Y / N	
	If yes, are auditable records maintained.	Y / N	
40 CFR.30 (a) (1) (ix)	Are any PCB transformers in use, or stored for possible reuse, that contain PCB's at concentrations of 500 ppm or greater?	Y / N	
	Are they visually inspected quarterly? If yes, are auditable records maintained?	Y / N	

BLANK

Environmental Appraisal Checklist

Building Name: PH Appraisers: TEAM 4 Date: 1/22/96

TSCA Checklist

Regulatory Guideline	Question	Response	Comments
40 CFR 761.30 (a) 1,viii	Are all combustible materials (i.e., paints, solvents, plastics, paper, sawn wood, etc.) cleared from areas containing PCB transformers to a distance of five meters?	Y / N	BLANK
40 CFR 761.65 (b) (8)	Are all PCB articles and containers labeled with the date they were placed in storage?	Y / N	
	Are labeled PCB articles and containers stored so that the labels can be referenced?	Y / N	
40 CFR 761.65 (a)	Are all PCB's and PCB contaminated items at concentrations above 50 PPM, that are stored for disposal, stored no longer than one year from the date they were placed in storage?	Y / N	
40 CFR 761.62 (b) (1) (i)	Do all PCB storage areas have an adequate roof and walls to prevent rainwater from reaching the stored items?	Y / N	
40 CFR 761.62 (b) (1) (iv)	Are storage are floors curbed and constructed of continuous smooth and impervious materials?	Y / N	
40 CFR 761.62 (b) (1) (i)	Are the curbs at least 6 inches high?	Y / N	
40 CFR 761.62 (b) (1) (iii)	No drains are allowed in storage areas. Are there drains in the storage areas?	Y / N	

9.23-23

Environmental Appraisal Checklist

Building Name: Appraisers: Date:

TSCA Checklist

Regulatory Guideline	Question	Response	Comments
40 CFR 761.65 (c) (2)	Only non-leaking and undamaged large high voltage PCB's capacitators and PCB-containing electrical equipment are allowed to be stored outside of PCB storage areas, on pallets if stored outside, with containment for 10 percent of the volume of the equipment. Do all PCB's stored in this configuration conform with this requirement?	Y / N BLANK	
40 CFR 761.45 and .65	Are all PCB storage areas marked with a large PCB mark as described in 40 CFR 761.45 (a)?	Y / N	
40 CFR 761.65 (c) (5)	Have all leaking PCB articles and containers been transferred to non-leaking containers?	Y / N	
40 CFR 761.65 (c) (6)	Do all PCB storage containers for the storage of liquid and non-liquid PCB's comply with DOT shipping container specifications?	Y / N	

GENERAL COMMENTS:

Building Name: PH Appraisers: TEAM 4 Date: 1/22/96

Low-Level Waste and Transuranic Waste Screening Checklist

Does this facility contain radioactive waste ?	Y / N	If yes, conduct the following survey.

Low-Level Waste and Transuranic Waste Checklist

Regulatory Guideline	Question	Response	Comments
Low-Level Waste			
DOE Order 5820.2A Chapter III	Can any waste generated in, or from, this building be characterized either through process knowledge or by analyses to determine if it is LLW ? If the answer is no, note. If the answer is yes, proceed with next section.	Y / N BLANK	
DOE Order 5820.2A Chapter III.	Are any of the materials noted by inspection LLW? If no, The audit would stop here, because there are no LLW. If yes, note the location of the management unit, and the method of management, and proceed with the section below.	Y / N	
DOE Order 5820.2A Chapter III, 3.a.	Have the storage configurations in use in this area been taken into account for keeping external exposures to the general public below 25 mrem/yr?	Y / N	
	Is the waste stored in a configuration that protects ground-water resources?	Y / N	
DOE Order 5820.2A Chapter III, 3.b.	Has monitoring been conducted in this area in accordance with DOE Order 5820.2A in order to evaluate the area against the performance standard?	Y / N	
	Based on field data, does the monitoring conducted in this area conform to the performance standard?	Y / N	

9.23-25

Environmental Appraisal Checklist

Building Name: Appraisers: Date:

Low-Level Waste and Transuranic Waste Checklist

Regulatory Guideline	Question	Response	Comments
DOE Order 5820.2A Chapter III, 3.d.	Based on field data, is the characterization of the materials in this area sufficient to assure proper segregation to assure proper segregation, treatment, storage, and disposal?	Y / N	
	Based on field data does the characterization as documented at the time of generation of the waste ensure that the actual physical and chemical characteristics, and major radionuclide content of this material are recorded and known at all stages of the waste management process?	Y / N BLANK	
	Do characterization data include the following:		
	Physical and chemical characteristics of the waste?	Y / N	
	Volume of the waste (including solidification and absorbent material)?	Y / N	
	Weight of the waste (including solidification and absorbent material)?	Y / N	
	Major radionuclides and their concentrations?	Y / N	
	Packaging date, package weight, external volume?	Y / N	
	How were the concentration of radionuclides determined? Direct methods?	_____ _____	
	How were the concentrations of radionuclides determined? Indirect methods?	_____ _____	
DOE Order 5820.2A Chapter III, 3.h	Is the storage configuration in long term storage sufficient to meet the performance standard?	Y / N	
	Are records maintained at the facility enabling this waste to be traced from its origin?	Y / N	

Building Name: PH Appraisers: TEAM 4 Date: 1/22/96

Low-Level Waste and Transuranic Waste Checklist

Regulatory Guideline	Question	Response	Comments
TRU WASTE			
	Can any waste generated in, or from this building be characterized either through process knowledge or by analyses to determine if it is TRU waste? If no, note and stop. If yes, proceed with the next section.	Y / N BLANK	
	Are any of the materials noted as being TRU waste during an inspection? If no, note and stop. If the answer is yes, note the location of the management unit, and the method of management and proceed with the appropriate section below.	Y / N	
DOE Order 5820.2A, Chapter II, 3.a	Was this material evaluated as soon as possible in the generating process, to determine if it is TRU (>100nCi/g), if it is recoverable, or if it is waste? (Note if the activity level is less than 100nCi/g, the waste is not TRU, and can be managed as LLW.)	Y / N	
	Did the determination of TRU radionuclide concentration include the mass of the container, including shielding? These should be included in calculating the specific activity of the waste.	Y / N	

9.23-27

Environmental Appraisal Checklist

Building Name: Appraisers: Date:

Low-Level Waste and Transuranic Waste Checklist

Regulatory Guideline	Question	Response	Comments
DOE Order 5820.2A, Chapter II, 3.b	Has the TRU waste been assayed or otherwise evaluated to determine its radioactive content prior to storage?	Y / N	BLANK
	Has the TRU waste been characterized or otherwise evaluated to determine if hazardous waste is present?	Y / N	
	Has classified TRU waste been treated to destroy the classified characteristics?	Y / N	
DOE Order 5820.2A, Chapter II 3.d	Has all newly generated TRU waste been packaged in non-combustible packaging that meets DOT requirements?	Y / N	
	Have all Type A TRU waste packages been equipped with a method to prevent pressure buildup?	Y / N	
	Have all TRU packages been marked, labeled and sealed in accordance with 40 CFR 261 Subpart C and 49 CFR 172 Subparts D, E and 49 CFR 173 Subpart I?	Y / N	

Environmental Appraisal Checklist

Building Name: PH Appraisers: TEAM 4 Date: 1/22/96

Low-Level Waste and Transuranic Waste Checklist

Regulatory Guideline	Question	Response	Comments
DOE Order 5820.2A, Chapter II 3.e	Has the TRU waste been segregated in manner that will not permit commingling of TRU waste with LLW or high-level waste?	Y / N	BLANK
	Has the TRU waste been protected from unauthorized access?	Y / N	
	Has the TRU waste been monitored periodically to ensure that it is not releasing its radioactive and/or hazardous constituents?	Y / N	
	Has this TRU waste storage area been designed, constructed, maintained, and operated to minimize the possibility of fire, explosion, or accidental release of its radioactive and/or hazardous constituents?	Y / N	
	Does the facility have a contingency plan designed to minimize the adverse impacts of fire, explosion, or accidental release of its radioactive and/or hazardous constituents?	Y / N	

GENERAL COMMENTS:

9.23-29

Environmental Appraisal Checklist

Building Name: Appraisers: Date:

Waste Minimization/Pollution Prevention Activities Screening Checklist

Does this facility generate waste or use chemicals? *	Y / N	If yes, conduct the following survey.

Waste Minimiaztion/Pollution Prevention Activities Checklist

Regulatory Guideline	Question	Response	Comments
	Based on available information and a walk through, are there any apparent opportunities to curtail the consumption of raw materials (including but not limited to paper, chemicals, electricity, and etc.). If yes, list candidate areas in the comment section.	Y / N	BLANK
	Are there solvent wastes?	Y / N	
	Is vehicle maintenance performed?	Y / N	
	Are oils used ?	Y / N	
	Are these corrosive wastes?	Y / N	
	Are there sludges?	Y / N	
	Are there halogenated organic (nonsolvent) wastes?	Y / N	
	Are metals recovered from wastewater?	Y / N	
	Is waste sludge generated?	Y / N	
	Are any waste minimization practices used that reduce the generation of sludge?	Y / N	
	Ion exchange process?	Y / N	
	Lead in gasoline lowered to reduce tank sludge toxicity?	Y / N	
	Storage tank agitators installed?	Y / N	
	Corrosive resistant materials used?	Y / N	
	Prevention of crude oil oxidation ?	Y / N	
	Drying?	Y / N	

* small amount of solid paper waste is generated; no chemical wastes

Environmental Appraisal Checklist

Building Name: PH Appraisers: TEAM 4 Date: 1/22/96

Waste Minimization/Pollution Prevention Activities Checklist

Regulatory Guideline	Question	Response	Comments
HALOGENATED ORGANIC (NONSOLVENT) WASTES			
	Are halogenated organic wastes used as fuel in cement kilns?	Y / N	
	Are baghouse filters used to collect pesticides and pesticide intermediates?	Y / N	BLANK
	Are solid wastes generated from the collection of baghouse dust?	Y / N	
	Wet instead of dry grinding used?	Y / N	
	The output spray dried?	Y / N	
	Has baghouse emptying and recycling of baghouse fines been scheduled?	Y / N	
	Have operations been evaluated to improve procedures such as handling, storage and spill prevention for increased efficiency?	Y / N	
METAL WASTES			
	Are any technologies for the recovering of metals from waste rinsewater used?	Y / N	
	Evaporation of waste rinsewater?	Y / N	
	Reverse osmosis?	Y / N	
	Ion exchange?	Y / N	
	Electrolysis?	Y / N	
	Agglomeration?	Y / N	
CORROSIVE WASTES			
	Are acidic or basic cleaning solutions used as treatment for pH adjustment chemicals?	Y / N	

9.23-31

Environmental Appraisal Checklist

Building Name: Appraisers: Date:

Waste Minimization/Pollution Prevention Activities Checklist

Regulatory Guideline	Question	Response	Comments
	Are ion exchange resins used to remove heavy metals and cyanides from acid and base solutions?	Y / N	
	Is crystallization used to remove corrosives from solution by cooling?	Y / N	BLANK
	Is the process of evaporation of liquid wastes by heating used to leave behind a more concentrated solution?	Y / N	
CYANIDE AND REACTIVE WASTES			
	Has non-cyanide or low concentration of cyanide process replaced zinc cyanide bath ?	Y / N	
	Are any of these processes used to recycle cyanide wastes?	Y / N	
	Refrigeration/crystallization?	Y / N	
	Evaporation?	Y / N	
	Ion exchange?	Y / N	
	Membrane separation which includes reverse osmosis or electrodialysis?	Y / N	
VEHICLE MAINTENANCE			
	How are auto parts cleaned?	Y / N	
	Solvent sink?	Y / N	
	Solvent dunk bucket?	Y / N	
	Solvent dip tank?	Y / N	
	Are parts cleaning solvents used for anything else besides cleaning parts?	Y / N	
	Are spills reduced by locating sinks or dunk buckets near auto service bays?	Y / N	

Building Name: PH Appraisers: TEAM 4 Date: 1/22/96

Waste Minimization/Pollution Prevention Activities Checklist

Regulatory Guideline	Question	Response	Comments
	Are cleaned parts drained on the sink to minimize solvent spills?	Y / N	BLANK
	Are drip tanks used to capture losses?	Y / N	
	Is a solvent sink used for mineral solvents rather than a dunk bucket or dip tank?	Y / N	
	Does a waste hauler collect solvent waste for recycling or treatment?	Y / N	
OILS			
	What kind of oils are used?		
	Hydraulic oil?	Y / N	
	Transformer oil?	Y / N	
	Metal working fluids?	Y / N	
	Spent lubricating oils?	Y / N	
	Can the process be modified or changed to use water-based fluids?	Y / N	
	Are these good housekeeping and operation practices used to minimize oil waste production?		
	Use oils not contaminated with other liquids?	Y / N	
	Oil spills prevented?	Y / N	
	Drip pans installed?	Y / N	
	Oil soaked rags laundered?	Y / N	
	Rags and absorbants used to their limit?	Y / N	

9.23-33

Environmental Appraisal Checklist

Building Name: Appraisers: Date:

Waste Minimization/Pollution Prevention Activities Checklist

Regulatory Guideline	Question	Response	Comments
	Are these treatment techniques used to promote separation of oil/water wastes?		
	Reclaiming process to remove water and solvents by heat?	Y / N	BLANK
	Gravity setting?	Y / N	
	Screening?	Y / N	
	Centrifugation?	Y / N	
	Filtration?	Y / N	
SOLVENT WASTES			
	Has there been an attempt to reduce volume or toxicity by:		
	Eliminating solvents?	Y / N	
	Reducing the use of solvents?	Y / N	
	Reducing the loss of solvents?	Y / N	
	Increasing recyclability?	Y / N	
	Are solvents segregated?	Y / N	
	Are waste solvents free from water and garbage?	Y / N	
	Are recycled solvent containers labeled as such?	Y / N	
	Are containers kept closed?	Y / N	
	Free and sheltered from the elements?	Y / N	
	Are solvent tanks kept as free from contaminations as possible so that the waste can be recycled?	Y / N	
	Is a method used to minimize the use of new materials such as a countercurrent process?	Y / N	

Environmental Appraisal Checklist

Building Name: PH Appraisers: TEAM 4 Date: 1/22/96

Waste Minimization/Pollution Prevention Activities Checklist

Regulatory Guideline	Question	Response	Comments
	If there is a recycling program, what technique is used?	Y / N	BLANK.
	Distillation?	Y / N	
	Solids removal?	Y / N	
	Dispersion breaking?	Y / N	
	Dissolved and emulsified organics recovery?	Y / N	
	Are any of these housekeeping procedures used to minimize the production of solvent wastes?		
	Separators cleaned and checked?	Y / N	
	Parts not allowed to enter the degreaser while wet?	Y / N	
	Sludge from the bottom of the tank not allowed to accumulate?	Y / N	
	Lids kept on tanks?	Y / N	
	Freeboard space on tanks increased?	Y / N	
	Are better operating practices used to reduce waste?	Y / N	
	How long is solvent waste stored and where?	_____ _____	

9.23-35

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9.23.6.2 Building Manager's Questionnaire

Building Manager's Questionnaire

Building Name: PH Building Manager: A.W. Upshaw Phone: 865-4894 Date: 12-07-95
Alternate: F. BAKER Phone: 865-3438

1. What are the access requirements (training, clearance, etc.)?

NONE

2. What protective equipment is required to enter the building?

SAFETY SHOES

3. Are there any restricted areas? Yes (No)
Where are they?

4. Provide a physical description of the building.

Building is a 646-ft² concrete block structure with a brick face and a BUM roof (coal tar). HVAC services are central steam and ~~roof~~ window air conditioning. Building is not contaminated with any radioactive or energetic materials.

Source: Mound Facility Physical Characterization, 12-1-93

5. Provide a drawing of the building.

Attached.

6. What is the current building use?

Power house and parts storage.
Building should be surveyed for chemical contamination prior to unrestricted use.

Source: Mound Buildings, 5-9-95

7. What is the history of building use other than that described in #6?

HOUSED FUEL OIL TRANSFER PUMPS.

Source: Mound Buildings, 5-9-95

9.23-39

Building Manager's Questionnaire

Building Name: PH Building Manager: A.W. Upshaw Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

8. What are ongoing operations or processes? What are the raw materials and waste streams from each process? Who is the best contact for each process?

Process(es) Housed: ~~Fuel oil pump~~ NO LONGER IN PLACE.

How Wastes Are Generated:

No wastes generated.

Contact:
Phone #:

Source: Characterization of Mound's Hazardous, Radioactive, and Mixed Wastes, (8-15-90).

9.23-40

Building Manager's Questionnaire

Building Name: PH Building Manager: A.W. Upshaw Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

9. In the last six months, have any modifications been made to the building or to processes in the building? Yes No

10. Does the building have air emission sources? No

Process Source	Room Number	Hood Number	Active	Chemicals Used	Quantity Used	Quantity to Waste Management	Lbs./Yr. Operation	Air Emissions
			Y / N					
			Y / N					
			Y / N					
			Y / N					
			Y / N					

Source: Mound Air Emissions Database 11/30/95

9.23-41

Building Manager's Questionnaire

Building Name: PH Building Manager: A.W. Upshaw Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

11. Describe air pollution control equipment used to reduce emissions for each source. None Listed

Process Source	Emissions	Control Equipment	Functioning
			Y / N
			Y / N
			Y / N
			Y / N
			Y / N

Source: Air Permits 2/4/95

12. For existing permits are emissions monitored? At what frequency? Where are the records maintained? None Listed

Process Source	Permit	Log	Permit Conditions & Frequency of Monitoring
		Y / N	
		Y / N	
		Y / N	
		Y / N	
		Y / N	

Source: Air Permits 2/4/95

13. Does the building have domestic water service? Yes No
Is there bottled water? Yes No

14. Does the building discharge to the storm sewer? Yes No
Where?

15. Does the building discharge to the sanitary sewer? Yes No
Where?

16. Has an asbestos survey been conducted? Yes
What are the results? Yes

Source: Technical Manual MD-10391, Issue 3 Asbestos Program Manual 9/6/95

9.23-42

Building Manager's Questionnaire

Building Name: PH Building Manager: A.W. Upshaw Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

17. Does the building contain transformers or capacitors? No

Source: PCB ANNUAL DOCUMENT LOG

18. Has the building been identified as containing PCBs? No

Source: PCB ANNUAL DOCUMENT LOG

19. What chemicals are used or stored inside or outside of the building? Include compressed gasses not in large tanks.

Chemical Name	State	Amount (MAX)
NONE		

Source: Chemical Inventory 1994

9.23-43

Building Manager's Questionnaire

Building Name: PH Building Manager: A.W. Upshaw Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

20. Has there been a reported spill, leak, or other release of any chemical? Yes (No)
What, how much, and what clean-up measures were followed?

Chemical	Amount	Clean-up Measures

Source: _____

21. Where do waste chemicals go?

N/A

22. What janitorial supplies are stored inside or outside of the building?

N/A

23. Where do excess janitorial supplies go?

N/A

Source: _____

24. Are pesticides or herbicides stored or used in or around the building? Yes (No)

Chemical	Amount	Chemical	Amount

Source: _____

9.23-44

Building Manager's Questionnaire

Building Name: PH Building Manager: A.W. Upshaw Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

25. Does the building contain active or inactive above ground storage tanks? Yes (No)
For each tank, list the content, quantity, last inspection, registration number.

NONE

26. Is there a sump or pit or underground tank in or around the building?
Yes (No) Unknown
Is it double-walled? What does it contain? How many days per year is it filled?
Is there an emergency overflow tank? Have there been previous overflows?

Double-Walled	Contents	Days/Year in Use	Overflow Tank	Previous Overflow
Y / N			Y / N	Y / N

Source: _____

27. Does the building generate, store, or dispose of hazardous waste? Yes (No)

Materials	Amount
~~Attached~~	

Source: Characterization of Mounds Hazardous, Radioactive, and Mixed Wastes 08/15/90

9.23-45

2 POWER HOUSE	PCB CAPACITOR >500PPM, SN: 69082486	PCB1	75.0
2 POWER HOUSE	PCB CAPACITOR >500PPM, SN: 69082498	PCB1	75.0
2 POWER HOUSE	PCB DEBRIS >500PPM, FROM SN: G854169	PCB2	100.0
2 P HOUSE	PCB OIL >500PPM, FROM SN: G854169	PCB2	714.0
2 POWER HOUSE	PCB OIL >500PPM, FROM SN: G854169	PCB2	715.0
2 POWER HOUSE	PCB OIL >500PPM, FROM SN: G854169	PCB2	715.0
2 POWER HOUSE	PCB OIL >500PPM, FROM SN: G854169	PCB2	389.4
POWER HOUSE	PCB OIL >500PPM, FROM SN: G854169	PCB2	715.0
POWER HOUSE	PCB TRANSFORMER >500PPM, SN: G854169, OUT OF SERVICE DATE 11-18-91	PCB1	6237.0

ASSOCIATED WITH THE POWERHOUSE NOT PUMP HOUSE.

Building Manager's Questionnaire

Building Name: PH Building Manager: A.W. Upshaw Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

28. Does the building have abandoned process equipment such as tanks, piping, containers, etc.? Yes No

29. Is waste material stored in or around the building for more than 90 days?
Yes No

30. Has the building been identified as a 90-day waste accumulation area?
Yes No

31. Has any area in the building been identified as a satellite accumulation area?
Yes No

32. Is mixed waste generated, stored, or disposed of from the building? Yes No
Where are logs found?

Process	Waste	Stored	Disposed	Logs
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N

Source: _____

9.23-47

Building Manager's Questionnaire

Building Name: PH Building Manager: A.W. Upshaw Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

33. Is TRU radioactive waste generated, stored, or disposed of from the building?
Yes No
Where are logs found?

Process	Waste	Stored	Disposed	Logs
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N

Source: _____

Building Manager's Questionnaire

Building Name: PH Building Manager: A.W. Upshaw Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

34. Is low-level radioactive waste generated, stored, or disposed of from the building? Yes No
Where are logs found?

Process	Waste	Stored	Disposed	Logs
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N

Source: _____

35. Identify all administrative orders, temporary or permanent injunctions, civil administrative penalties, or criminal activities issued against the building.

9.23-49

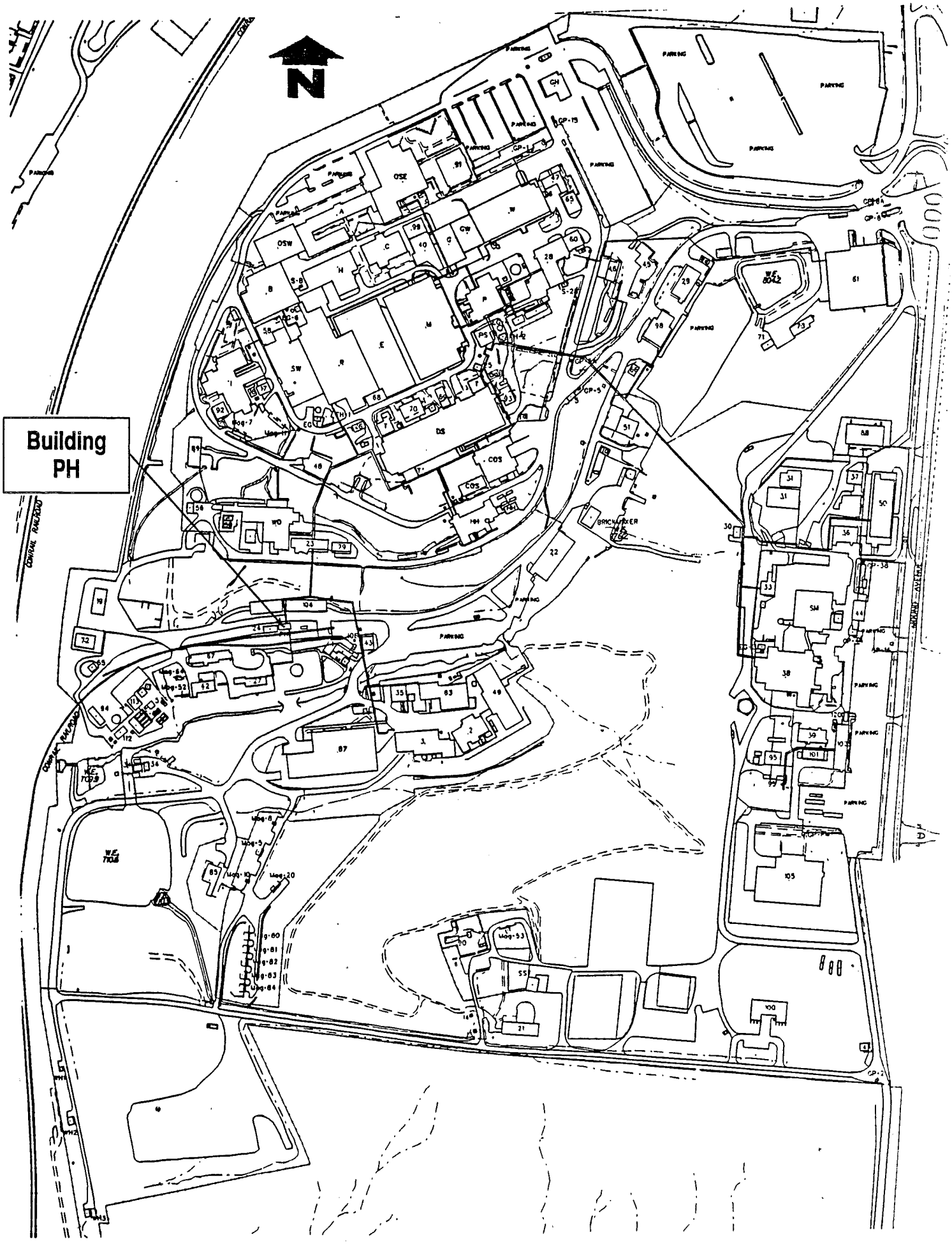
Building Manager's Questionnaire

Building Name: PH Building Manager: A.W. Upshaw Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

36. Is there a waste minimization program in the building? Yes No
Discuss your ideas about how to minimize waste.

37. Has a pollution prevention program been developed for the building? Yes No

9.23.6.3 Location of Building PH



SOURCE: Operable Unit 9, Site Scoping Report: Volume 7-Waste Management Mound Plant, 7-92

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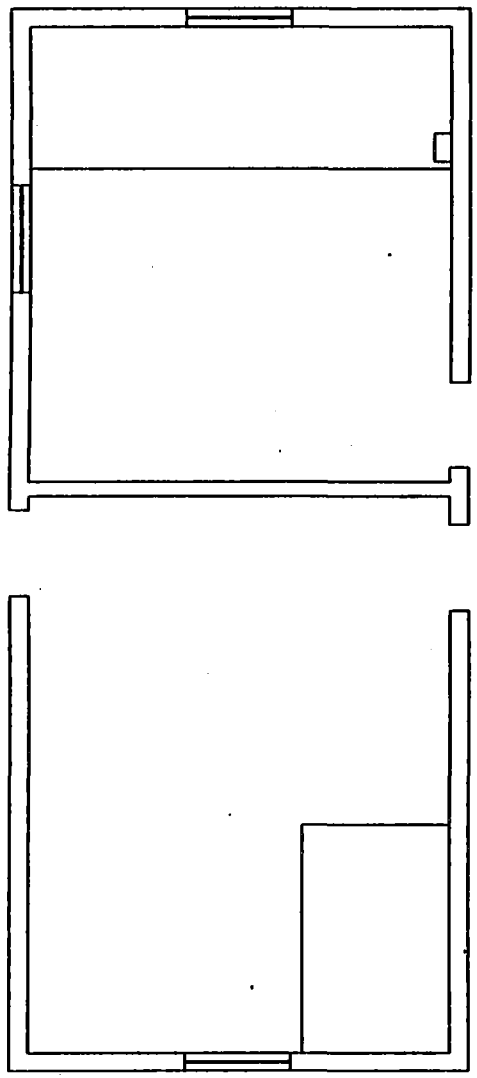
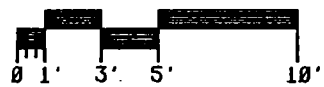
9.23.6.4 Floor Plans for Building PH

ISS	DATE	REVISION	BY	CHKR	ENG	LPSEC	APVD	N
Ø	12/12/91	ASBUILT ISSUE	DCW				DVD	





PH BLDG
FIRST FLOOR
BLDG CODE:3512

APPROVALS: DATE:
SAFETY COMMITTEE REQUIRED:
___NONE ___TRUEOOC ___TEOOC ___EHOOC
TECH. REVIP. ___
GR. MGR. ___
TRUEOOC ___
TEOOC ___
EHOOC ___

DESIGN ENG	PROJ MGR
GROUP	ENG SUPV
LP & EC	PEER REV
ENG MGR	
APVD	DATE

SHEET	1	2	3	4	5	6
ISSUE	Ø					

PART CLASSIFICATION

TITLE (U) TITLE CLASSIFICATION
PH BLDG
FLOOR PLANS

DRAWING CLASSIFICATION: UNCLASSIFIED
SIZE: C
DRAWING NUMBER: FSC911318
JOB NUMBER: 12335
DWG TYPE: SFP
FROM: PH BLDG
CAGE: 14065
SCALE: AS NOTED
SHEET 1 OF 1
STATUS: MD-REL-12/12/91
ORIGIN: MD-BR3-V3.Ø

9.23-57

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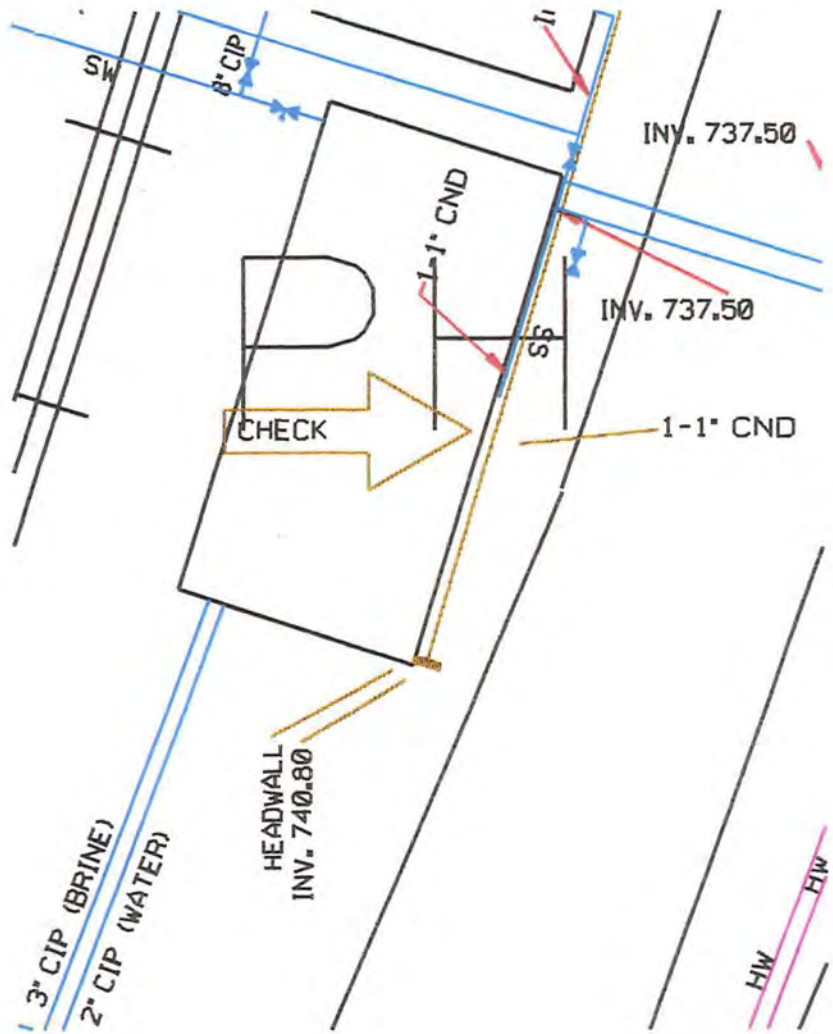
9.23.6.5 Underground Utility Lines



FIRE
POTABLE
RAW
SANITARY
STORM
RADIOLOGICAL

N

UNCLASSIFIED

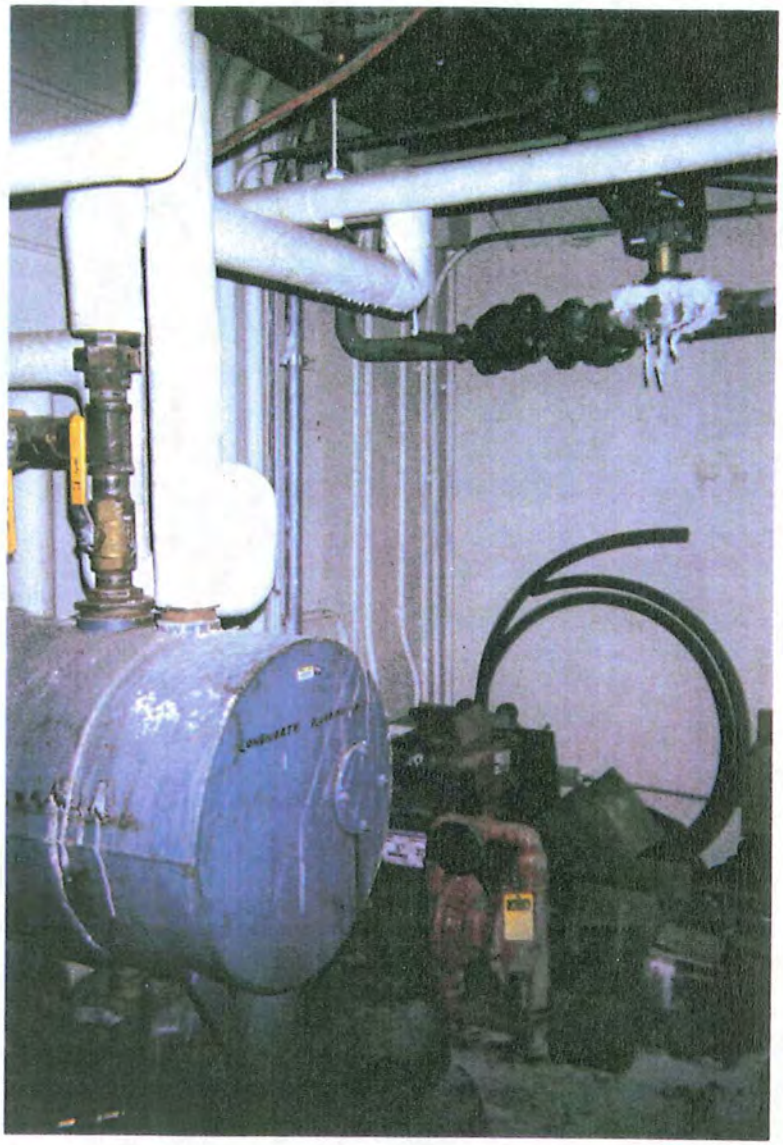
E.G. & G. - MOUND

UNDERGROUND WATER & WASTE LINES
PM BLDG.

DATE: 3-4-96

9.23.6.6 Photographs

Mound Plant Building PH



Leaking brine forms a stalagtite in Building PH. Maintenance of equipment is required. The drain below should be plugged.

9.24 BUILDING PS

9.24.1 Scope of Building PS Report

In late 1995 and the early months of 1996, EG&G MAT performed a review of environmental conditions at the Mound Plant. The purpose was to develop a performance baseline, and to identify areas for improvement on a building and a sitewide basis. EG&G MAT did not perform a "due diligence" or Phase I Environmental Site Assessment as specified by ASTM 1527 or ASTM 1528. The scope of the appraisal effort and a discussion of the appraisal methodology are detailed in Sections 2.0 and 5.0, found in Volume 1 of this report.

The appraisal team performed a walk-through of Building PS on February 28, 1996. The Environmental Appraisal Checklist (EAC) was used to record findings. The EAC is found in Attachment 1 (Section 9.24.6.1). The appraisers were accompanied by knowledgeable personnel such as the process owner. Other information was supplied by the building manager and recorded on the Building Manager's Questionnaire (BMQ), included as Attachment 2 (Section 9.24.6.2).

9.24.2 Description of Building PS

Building PS is a one-story, 2,288-square-foot, metal building with a metal roof. Its location is shown in Attachment 3 (Section 9.24.6.3). The building is bordered by a sidewalk on all sides. Adjacent buildings are Building P to the north, Building M to the west, a cooling tower to the east, and Building 93 to the south. Floor plans are presented as Appendix 5. The building is serviced by central steam for heat, chilled water, and electrical service (*Mound Facility Physical Characterization*, 12-1-93).

Building PS was constructed in 1963. The building has been used for the same purpose since construction. The building is not contaminated with radioactive or energetic materials (*Mound Facility Physical Characterization*, 12-1-93).

9.24.3 Summary of Findings

Building PS houses a paint shop with an Ohio Environmental Protection Agency (EPA) permitted paint spray booth. The paint shop contains processes conventional to painting: brush painting and spray painting, storage of supplies (latex and non-latex paints), sanding, priming, and drying. The paint shop also houses a sign fabrication area that makes computer-generated signs. The building is well-maintained, but has several issues of environmental concern identified during the walk-through or during review of reference materials.

9.24.4 Observations

9.24.4.1 Air Emissions

The air emission sources are identified on the EAC, in Attachment 1 (Section 9.24.6.1). There is an existing air permit for the building (No. 0857091196K001). It is also listed in Mound's air

emissions inventory. The terms and conditions of the permit are being followed. The process owner showed the team the log that is being used to record chemical usage in the paint spray booth. There are two solvent rinse tanks containing mineral spirits. These should be evaluated to determine air permit applicability. There are no fuel-burning units in the building. There is no evidence of fugitive dust.

9.24.4.2 Wastewater Emissions

The Mound Facility has three wastewater collection systems: a sanitary wastewater system; a storm water system; and a radioactively contaminated process wastewater system. Sanitary wastewater is treated at an onsite tertiary treatment plant and subsequently discharged by hard pipe to the Great Miami River. Storm water and any non-process wastewater, single pass cooling water, and softener backwash may be discharged directly to the Great Miami River, via the Miami-Erie Canal, or may be diverted to a 3.1-million-gallon holding pond for settling prior to discharge. Radioactively contaminated wastewater is treated in Building WD by physical-chemical treatment. If appropriate, wastewater may be discharged by hard pipe to the Great Miami River. If concentrations of radioactive contaminants cannot be reduced to acceptable levels, wastewater is solidified and shipped to the Nevada Test Site or Envirocare for disposal. All outfalls are permitted under an active NPDES permit. Routine monitoring activities are in place. Based on NPDES monitoring report data reviewed, it appears that the facility is in compliance with qualitative and quantitative conditions of the permit.

9.24.4.2.1 Sanitary Wastewater

The building does not have sanitary services. According to a diagram of underground lines, presented as Attachment 5 (Section 9.24.4.2.1), the building is not serviced by a sanitary line.

9.24.4.2.2 Storm Wastewater

The building does appear to be serviced by storm drains according to Attachment 5 (Section 9.24.4.2.1). Exterior grates and drains were not tested to confirm that they connect to the storm drainage system. Roof drains are not piped directly to a storm drain. Storm water is either absorbed into the ground or flows down hill as surface water to the nearest storm water drain. Inspection of the surrounding area showed no sign of odors, colored discharges, or scarring which would indicate that any materials other than storm water has entered the storm drainage system.

9.24.4.2.3 Chemicals

A list of chemicals found in Building PS is included in the BMQ. The information was gathered as part of the chemical inventory which is conducted annually. The inventory information dates to 1994, as 1995 data were not yet available when the appraisal was conducted. Confirmation of the 1994 inventory by the appraisal team was not attempted, as the 1995 inventory was in progress. However, storage, handling, and disposal of chemicals in the BMQ were reviewed to assure conformance to regulations related to 40 CFR 122, 40 CFR 261-265, 268, and 29 CFR 1910.

There is asbestos and xylene in the building. Asbestos is identified as a Clean Water Act (CWA) toxic pollutant and xylene is identified as a hazardous substance in 40 CFR Part 122, Appendix D, Table V. Chemical storage and handling procedures are in place for proper disposal of chemicals. There is no evidence that chemicals enter the storm or sanitary drains. There have been no reported spills from Building PS.

9.24.4.3 Potable and Service Water

Potable water is supplied to the building. There are no visible cross connections. There is one Oasis water fountain. The fountain that supplies drinking water has not been tested for lead. According to EPA protocol, annual sampling criteria do not require testing of each fountain. There is a safety shower/eyewash station.

9.24.4.4 Chemical Storage and Hazardous Materials

Chemicals used in the paint shop and associated processes are stored in Building PS. There are several flammable storage cabinets which meet standard National Fire Protection Association (NFPA) requirements. Chemicals are stored in the building in accordance with applicable standards. Material Safety Data Sheets (MSDS's) were available in the building.

The building is equipped with appropriate emergency response equipment such as an eyewash, safety shower, and fire extinguisher. Extinguishers are bar-coded. The inspection date database is maintained in the Fire Station, Building 98. The safety shower and eyewash unit is inspected and flushed quarterly. There is an Emergency Evacuation Plan, and signs were posted in work areas.

Housekeeping in the paint storage room was excellent. Although storage of paints was organized and orderly and the volume had been reduced in October 1995, as a result of an audit, there still appeared to be an excessive amount of stored paint. Latex water-based paint was stored on the lower shelves of a flammable storage cabinet. Thinners and other extremely flammable materials were stored on the upper shelves. Although equipment in the paint booth area was grounded, no bonding straps were used in transferring flammable chemicals from one container to another. Several containers of 1,1,1-trichloroethane were stored in the facility.

There are two aboveground storage tanks at the south end of the building. One tank contains argon and one tank contains helium. The aboveground tanks contain gaseous products and do not have containment. They are identified on the BMQ, in Attachment 2 (Section 9.24.6.2), because of their proximity, not utilization. The tanks are inspected and maintained by an outside contractor. There are no sumps, separators, or catch basins, in or around the building. There are no underground storage tanks associated with this building.

The building was tested and does contain asbestos-containing building material (MD-10391, *Asbestos Program Manual*, 9-6-95). There is no evidence of friable asbestos.

There are no capacitors or transformers containing polychlorinated biphenyls (PCB's) located in the building (1995 PCB Annual Document Log).

9.24.4.5 Solid, Hazardous, and Radioactive Wastes

Solid wastes generated are primarily empty paint cans. Solid wastes are removed by janitorial personnel to a site collection point, then shipped offsite to a local landfill by a contractor. Aluminum cans, glass, and cardboard are removed by janitorial personnel to specific collection points, then sent offsite to be recycled by a contractor. White paper is collected, compacted, and sent offsite for recycling by a contractor. Scrap metal is collected at a specific site, then sent offsite to be recycled by a contractor. These service contracts are maintained by Waste Management. There is no evidence that hazardous materials or wastes are mixed with solid waste streams.

Some materials required for the sign fabrication and painting are stored in Building PS. If partially used containers of these materials needed to be disposed of, Waste Management is contacted. Some aerosols used in the paint shop contain 1,1,1-trichloroethane. Small quantities are sprayed on, and either remain on the metal or are wiped off with rags which are thrown into the trash. Further investigation into the characterization, storage, and disposal of the rags should be performed.

Solid hazardous wastes generated by the process, maintenance and cleaning, are stored in a Satellite Accumulation Area (SAA) located inside the building near to and within eye contact of the work area. Liquid hazardous wastes generated by the process, maintenance, and cleaning are stored in a SAA located adjacent to the building in a 55-gallon drum that is kept locked except when adding wastes. The SAA procedures and appearance conform to RCRA requirements. Wastes are collected and transported by a representative of the EG&G Waste Management Group, and are stored in Building 72 for ultimate disposal. There is no onsite treatment of waste. All is disposed of under a service contract. Waste disposal manifests and Certificates of Disposal are maintained by the EG&G Waste Management Group. They conform to RCRA requirements.

9.24.4.6 Waste Minimization and Pollution Prevention

At Mound, there is an active program to minimize waste streams, in accordance with state and federal requirements and Executive Order 12856. Programs for waste minimization include replacing oil-based paints with latex paints and replacement of chlorinated solvents with mineral spirits. There are several hundred gallons of paint stored in the facility which could be evaluated for volume reduction. An ozone-depleting compound, 1,1,1-trichloroethane, could also be evaluated for non-essential use.

9.24.5 Findings and Recommendations

Photographs were taken to document the environmental appraisal. They are included as Attachment 6 (Section 9.24.6.6). The environmental appraisal of Building PS indicates that the

following action items, in priority order, should be planned and scheduled for accomplishment thus assuring that best management and operating practices are in place.

PS-1 Evaluate air sources that are not permitted and document *de minimis* determinations in accordance with OAC 3745-15.

PS-2 Disposal practice of cleaning rags needs to be reviewed. Some of the materials placed on the rags contain 1,1,1-trichloroethane and methylene chloride. This waste stream should be stored and disposed of in accordance with Mound's Part B Permit Application and OAC 3745-52-11, OAC 3745-52-34(c), and OAC 3745-59.

PS-3 Evaluate characterization of paint waste streams, how determination is made, and who maintains the documentation in accordance with OAC 3745-52-40.

PS-4 Segregate latex paint and store in cabinets that are not designated for flammable chemicals.

PS-5 Provide training in bonding, as well as grounding to reduce the potential of fire.

PS-6 Use bonding straps when transferring flammable chemicals from one container to another.

PS-7 Perform a needs assessment and consider reducing the amount of paint purchased.

PS-8 Restrict the use of products containing 1,1,1-trichloroethane, an ozone depleting chemical.

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Environmental Appraisal of the Mound Plant

9.24.6.1 Environmental Appraisal Checklist

ENVIRONMENTAL APPRAISAL CHECKLIST

Building Name PAINT SHOP

Appraisers:

Name Discipline

Name Discipline

Name Discipline

Name Discipline

Building Manager: JEFFREY L. BOSTON

Process Manager: JAMES E. BROWN

Date: 2/28/96

ENVIRONMENTAL APPRAISAL CHECKLIST

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Environmental A[illegible]sal Checklist

Building Name: Paint Shop

Appraisers: Terry Glander, John Puckett, Mary-Louis Hoagland, Mary Sizemore

Date: 2/28/96

Clean Water Act (CWA) Screening Checklist

Question	Response	Comments
Does the outside drain spouting of the building discharge directly to a storm sewer/sanitary system?	Y / (N)	If the answer to any of these questions is yes, proceed with the following checklist.
Are there sinks, toilets and floor drains in the building?	(Y) / N	
Are chemicals being used in the building?	(Y) / N	
Is there a process which discharges to the storm or sanitary system?	Y / (N)	

CWA Checklist

Regulatory Guideline	Question	Response	Comments
40 CFR 122 Appendix D Table V	If chemicals are used/stored in the building, are they on the attached list? Are they properly contained?	(Y) / N (Y) / N	asbestos xylene
	Is the building in operation? What are the processes and where do they discharge to?	(Y) / N _____ _____	paint spray booth
	Do the floor drains, sinks & toilets appear to be draining properly?	(Y) / N	no toilets
OAC 3745-33	Do the floor drains and sinks drain to a sanitary or storm sewer?	Sanitary Storm	yes
	Is there a sump/pit in the building? If so, what does it contain? How often is it pumped out? Does water collect in sump? Does sump have secondary containment?	Y / (N) _____ _____ Y / N Y / N	
	Are there any manholes, catch basins, drains, or fill pipes in or around the building? If so, are there any unusual appearances, colors, and/or odors? Describe in comment section. Can chemicals flow into the drain?	(Y) / N Y / (N) (Y) / N	If there's a spill.

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Environmental Appraisal Checklist

Building Name: PAINT Shop Appraisers: Terry Glander, John Puckett, Mary-Louis Hoagland, Mary Sizemore Date: 2/28/96

Clean Air Act (CAA) Screening Checklist

Regulatory Guideline	Question	Response	Comments
	Are there any rooms that have air emissions sources that vent to the outside of the building, e.g., fumehoods, equipment? If so, note the rooms.	(Y) / N	Rm. 7 - spray booth - parts cleaners
OAC 3745-35	Using the air emissions inventory reference for this building, are there any sources in the building that are not documented?	(Y) / N	
	Is there evidence of fugitive dust emissions inside or outside of the building	Y / (N)	

CAA Checklist

Regulatory Guideline	Question	Response	Comments
	Are there existing air permits or applications applicable to the building?	(Y) / N	Source K001.
OAC 3745-31,35	If yes, are the terms and conditions of the permit or the information included on the application (see air emissions database) being followed? Note any differences and update the air emissions database.	(Y) / N	excellent paint/thinner usage log.
OAC 3745-31	Are there any sources that are not included in the air emissions database? If so, note the room, hood number, active or not, POC, and applicable air emission database information on Table B.	(Y) / N	
OAC 3745-31-03	Are there sources which are lab equipment of lab fumeheads used exclusively for chemical or physical analyses and bench scale lab equipment? These sources do not require a permit. However, the air emissions database should be updated.	Y / (N)	
	Has there been any release of air contaminants from this building?	Y / (N)	no accidental!

Environmental Appraisal Checklist

Building Name: PAINT Shop

Appraisers: Terry Glander, John Puckett, Mary-Louis Hoagland, Mary Sizemore

Date: 2/28/96

CAA Checklist

Comments: Note the number of sources/hoods per room, the number that are active, and the POC on the reference document.

TABLE A

Process Source	Room Number	Hood Number	In Database	Active	Chemicals Used	Quantity Used	Quantity to Waste Management	Hours/Yr. Operation	Air Emissions lb. VOC
spray booth	7	PS0020001	(Y) / N	(Y) / N	paint - thinner				104.75 c4/95
Justrite Safety Rinse Tank	7	22 gal. cap. 35" x 16"	Y / (N)	(Y) / N	Allpro Lacquer thinner	about 25 gal/yr for both	about 19.5 gal from		about 5.5 gal VOC from
Justrite Safety Rinse tank	7	11 gal. cap. 24" x 16"	Y / (N)	(Y) / N		tanks.	both tanks.		both tanks.
paint baking oven	8		Y / (N)	Y / (N)	NA →				
			Y / N	Y / N					

lid closed when not in use

inner used lid too rty

Source: Pat Levangie

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Environmental Appraisal Checklist

Building Name: Paint Shop Appraisers: Terry Glander, John Puckett, Mary-Louis Hoagland, Mary Sizemore Date: 2/28/96

Hazardous Materials (HM) Screening Checklist

Question	Response	Comments
Are any chemicals used or stored in this building, now or in the past?	(Y) / N	If the answer is yes, proceed with the following checklist.

HM Checklist

Regulatory Guideline	Question	Response	Comments
29 CFR 1910.1200(b,f)	All containers of hazardous chemicals shall be labeled as to the identity of the chemical and the appropriate hazard warnings.	(Y) / N	
29 CFR 1910.1200(g)	MSDS shall be available to the employees in close proximity to the work area.	(Y) / N	
29 CFR 1910.22, 1910.106, 1910.176	All places of employment, passageways, storerooms and service areas shall be kept clean and orderly and in a sanitary manner. Aisles shall be unobstructed. Drums and containers are not leaking and are tightly sealed.	(Y) / N	
29 CFR 1910.106	Storage cabinets for flammable materials are constantly kept closed, are fire resistant and are labeled "FLAMMABLE - Keep Fire Away". Containers inside should be labeled and closed. No spills inside cabinet.	(Y) / N	NON-FLAMMABLE PAINTS ARE STORED IN FLAMMABLE CABINETS, THEY ARE IN THE PROCESS OF REMOVING NON-FLAMMABLES TO
29 CFR 1910.106(d)(7)	Incompatible chemicals are not stored together.	Y / (N)	PERFORMANCE ASSURANCE AUDIT IDENTIFIED FINDING
29 CFR 1910.106(d)(4)	Inside Flammable/combustible storage rooms must meet the following: 4 in. raised sill or trench that drains to a safe area, liquid tight wall/floor joints, self-closing doors, gravity or mechanical exhaust providing 6 room changes/hr., exhaust switch located outside room, at least one 3 ft. aisle; no cracks in secondary containment.	Y / N	N/A

Environmental Appraisal Checklist

Building Name: Paint Shop Appraisers: Terry Glander, John Puckett, Mary-Louis Hoagland, Mary Sizemore Date: 2/28/96

HM Checklist

Regulatory Guideline	Question	Response	Comments
29 CFR 1910.106(d)(7)	All flammable/combustible storage locations have at least one 12-B portable fire extinguisher located outside and within 10 ft. of a door opening into any room for storage. No smoking signs are posted.	Y / N	
29 CFR 1910.151	Eyewashes/showers shall be provided within the work area. Ensure unit is operational.	Y / N	
CGA P-1 3.3 & 3.3.10	All gas cylinders (full or empty) shall carry a legible label or marking identifying the contents.	Y / N	
CGA P-1 3.5.3	Full and empty containers should be stored separately with the storage layout planned so that containers comprising of old stock can be removed first with a minimum handling of other containers.	Y / N	
CGA P-1 3.5.8	All compressed gas containers in service or in storage shall be stored standing upright and the container shall be secured.	Y / N	
CGA P-1 4.2.2	Oxygen cylinders shall be separated from flammable gas containers or combustible materials a minimum of 20 ft. or a noncombustible barrier 5 ft. high.	Y / N	
29 CFR 1910.104(2)(10)	Oxygen stored as a liquid shall be on a noncombustible surface. Asphalt is considered combustible. Wood and long dry grass shall be cut back 15 ft. from the container.	Y / N	
29 CFR 1910.104	Bulk oxygen storage shall be permanently placarded "OXYGEN - NO SMOKING - NO OPEN FLAMES".	Y / N	
	Is there a sign posted in each work area regarding emergency egress and emergency response action?	Y / N	
	Is there an emergency response plan available?	Y / N	

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Environmental Appraisal Checklist

Building Name: Paint Shop Appraisers: Terry Glander, John Puckett, Mary-Louis Hoagland, Mary Sizemore Date: 2/28/96

HM Checklist

Regulatory Guideline	Question	Response	Comments
	Is there a process area?	Y / N	
	Does it have proper containment?	Y / N	
	Is there a liquid bulk transfer area?	Y / N	
	Is there proper containment?	Y / N	N/A
	Is there an above ground storage tank? If so, complete Table B.	Y / N	

Above Ground Storage Tanks Inventory

TABLE B—Above Ground Storage Tanks Inventory

Building	Capacity (Gal.)	Contents	Estimated Volume	In Service	Containment	Visual Stains/ Contamination	If Empty, Flushed
OUTSIDE PS	6000	ARGON (T-20)		Y / N	Y / N	Y / N	Y / N
OUTSIDE PS	0.4 10,000 - 99,999	HELIUM (T-23)	10,000-99,999	Y / N	Y / N	Y / N	Y / N
				Y / N	Y / N	Y / N	Y / N
				Y / N	Y / N	Y / N	Y / N
				Y / N	Y / N	Y / N	Y / N
				Y / N	Y / N	Y / N	Y / N
				Y / N	Y / N	Y / N	Y / N

Source: _____

Environmental Appraisal Checklist

Building Name: Paint Shop Appraisers: Terry Glander, John Puckett, Mary-Louis Hoagland, Mary Sizemore Date: 2/28/96

Safe Drinking Water Act (SDWA) Screening Checklist

Does this facility have potable water?	Y / N	If yes, conduct the following survey.

SDWA Checklist

Regulatory Guideline	Question	Response	Comments
OAC 3745 95-02 (A)	Do actual or potential cross-connections exist between potable (light green) and service water (dark green)?	Y / N	No apparent service water lines.
OAC 3745 95-04 (B)(C)	Are backflow prevention devices installed where cross connections (hoses connected to faucets, hot water tank vented directly to a drain) exist?	Y / N	NA
	Are sources of service water (janitorial and laboratory faucets, or outdoor spigots) posted as non-potable water sources?	Y / N	NA
	Does the facility contain any water coolers or fountains that are not lead free? Complete Table C.	Y / N	See below.

TABLE C—Water Fountain Survey

Building	Location	Model #	Comments / Date of Analysis for Lead
PS	2	PLF32P	Ser. No. 9128193473 DASIS

Source: _____

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Environmental Appraisal Checklist

Building Name: Paint Shop

Appraisers: Terry Glander, Mary-Louis Hoagland, John Puckett, Mary Sizemore

Date: 2/28/96

RCRA Screening Checklist

Does this facility generate waste or use chemicals?	Y / N	If yes, conduct the following survey.

RCRA Checklist

Regulatory Guideline	Question	Response	Comments
OAC 3745 52-11	Has any material generated been characterized RCRA hazardous? Was charactarization by analysis or by process knowledge? Are lab results or documentation of process knowledge readily available? Note any uncharacterized material in comment section. Is it waste? If yes, proceed with next section.	Y / N analysis / process Y / N Y / N	PROCESS KNOWLEDGE N/A N/A
OAC 3745 52-11	Are any of the materials noted RCRA hazardous waste? If no, note and stop here. If yes, note the location of the management unit, and the method of management, and proceed with the appropriate section below.	Y / N	

Environmental Appraisal Checklist

Building Name: Paint Shop

Appraisers: Terry Glander, Mary-Louis Hoagland, John Puckett, Mary Sizemore

Date: 2/28/96

RCRA Checklist

Regulatory Guideline	Question	Response	Comments
I. HAZARDOUS WASTE STORED IN CONTAINERS			
	Is there an area in the building that could qualify as a Satellite Accumulation Area?	Y / N	
	Is it treated as such?	Y / N	
OAC 3475-52-34 (C)	Has any of the RCRA hazardous waste in this building been managed in Satellite Accumulation Areas? If no, proceed to the next section. If yes, answer the following.	Y / N	
	Are the containers marked with the words hazardous waste, or other words denoting the hazard?	Y / N	
	Are the containers in good condition?	Y / N	
	Are the waste compatible with the containers?	Y / N	
	Are containers managing ignitable hazardous waste stored at least 50 feet from the plant site boundary?	Y / N	
	Are containers kept closed and locked except during filling?	Y / N	
	Are containers moved within 3 days of being filled?	Y / N	

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Environmental Appraisal Checklist

Building Name: Paint Shop Appraisers: Terry Glander, John Puckett, Mary-Louis Hoagland, Mary Sizemore Date: 2/28/96

RCRA Checklist

Regulatory Guideline	Question	Response	Comments
OAC 3745-52-11 (A)	If a Satellite accumulation area has been abandoned and/or if waste left in place, and the containers may be subject to the 90-day-storage exclusion. If this exclusion does not apply, go to the next section. If the containers have been in storage under this exclusion, answer the following:		
	Are the containers in good condition?	Y / N	
	Are the waste compatible with the containers?	Y / N	
	Are the containers kept closed except during filling?	Y / N	
	Are the containers managed in such a way, that they are not ruptured, or leaks caused?	Y / N	
	Is the area inspected at least once weekly?	Y / N	
	Is the inspection recorded? Where is the log? Is it properly completed, dated, and signed?	Y / N _____ Y / N	
	Are containers managing ignitable hazardous waste stored at least 50 feet from the facility boundary?	Y / N	
	Are incompatible wastes managed in such a way that they will not react with another incompatible waste?	Y / N	
OAC 3745-52-34(B)	Has any of the waste (except in Building 23, Building 72 and the Burn Area) been managed in excess of 90-days?	Y / N	
	If no go to next section.		
	If yes, note.		
	For Building 23, Building 72 & Burn Area use special checklist.		

Environmental Appraisal Checklist

Building Name: Paint Shop Appraisers: Terry Glander, John Puckett, Mary-Louis Hoagland, Mary Sizemore Date: 2/28/96

RCRA Checklist

Regulatory Guideline	Question	Response	Comments
II. HAZARDOUS WASTE STORED IN TANKS			
OAC 3745-52-32 (B)	Has any chemical waste stored in a tank, piece of process equipment or ancillary equipment been in storage in excess of 90-days?	Y / N	
	If the answer was no, then proceed with the following:	Y / N	
	Has the tank or piece of equipment had an integrity assessment?	Y / N	
	Is there a sump?	Y / N	
	Is it dry?	Y / N	
	Does the tank or equipment have secondary containment?	Y / N	
	Does the tank or equipment have leak detection device(s)?	Y / N	
	Has spill control prevention been enacted?	Y / N	
	Has any hazardous waste stored in a tank, piece of process equipment or ancillary equipment been in storage in excess of 90-days?	Y / N	
	If the answer was no, then proceed with the following:		
	Has the tank or piece of equipment had an integrity assessment?	Y / N	
	Does the tank or equipment have secondary containment?	Y / N	
	Does the tank or equipment have leak detection device(s)?	Y / N	
	Has spill control prevention been enacted?	Y / N	
	Is there a closure plan?	Y / N	
	If yes, then note.		
OAC 3745-67	Has any of the waste been managed in a surface impoundment? If yes, then note. Go to the next section.	Y / N	

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Environmental Appraisal Checklist

Building Name: Paint Shop

Appraisers: Terry Glander, Mary-Louis Hoagland, John Puckett, Mary Sizemore

Date: 2/28/96

RCRA Checklist

Regulatory Guideline	Question	Response	Comments
OAC 3745-68	Has any of the waste been managed in a Landfill? If yes, then note. Go to the next section.	Y / N	
OAC 3745-68	Has any of the waste been managed in an Incinerator (other than Burn area units)? If yes, then note. Go to the next section.	Y / N	
OAC 3745-68	Has any of the waste been managed in a Thermal treatment Unit (other than Burn area units)? If yes, then note. Go to the next section	Y / N	
OAC 3745-69	Has any of the waste been managed in a Miscellaneous Treatment Unit (other than Burn area units)? If yes, then not. Go to the next section.	Y / N	
OAC 3745-56	Has any of the waste been managed in a Waste Pile? If yes, then note. Go to the next section.	Y / N	

General Comments:

Environmental Appraisal Checklist

Building Name: PAINT Shop Appraisers: Terry Glander, John Puckett, Mary-Louis Hoagland, Mary Sizemore Date: 2/28/96

Asbestos Screening Checklist

Does this facility contain ACBM?	(Y) / N	If yes, conduct the following survey.

Asbestos Checklist

Note: Routinely, the asbestos standard for ACBM in schools has been applied to facilities for purpose of cleanup. In addition to AEHERA, there are additional standards in the NESHAPS that may be of importance.

Regulatory Guideline	Question	Response	Comments
ADAPTED FROM TSCA ACBM IN SCHOOLS:			
	Has this building been characterized either through process knowledge, by analyses, or by inspection to determine if it contains asbestos?	(Y) / N	INSPECTION AND ANALYSIS
	If no for this building or area note this conclusion in the comment section.		
	Is there any evidence of friable asbestos?	Y / (N)	
	Is the asbestos removal properly managed? (See questions listed below)	Y / N	If there is no asbestos removal, do not complete the following section.
NESHAPS FOR ASBESTOS FOR ANY ONGOING ASBESTOS REMOVAL:			
40 CFR 61.156	There are no discharges of visible emissions to the outside air from collection, processing, packaging, transporting, or deposition of ACBM during the removal.	Y / N	
40 CFR 61.152(b) (1)	ACBM is treated with water in accordance with 40 CFR 152(b)?	Y / N	
40 CFR 61.154	Is friable asbestos adequately wetted during stripping? Or, has an adequate ventilation and collection system been installed?	Y / N	
40 CFR 61.152	Is wetting continued until the waste friable asbestos is collected for disposal?	Y / N	

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9.24-24

Environmental Appraisal Checklist

Building Name: Paint Shop Appraisers: Terry Glander, John Puckett, Mary-Louis Hoagland, Mary Sizemore Date: 2/28/96

Toxic Substances and Control Act (TSCA) PCB's Screening Checklist

Does this facility potentially contain any PCB's or PCB contaminated equipment?	Y / N	If yes, are transformers labeled (Blue or Yellow stickers)? If yes, conduct the following survey.

TSCA Checklist

Regulatory Guideline	Question	Response	Comments
40 CFR 761	Has any waste generated in, or from, this building been characterized either through process knowledge or by analyses to determine if it contains PCB's ? If the answer is no, note . If the answer is yes, proceed with next section.	Y / N	
	Based on an inspection, are any of the materials or equipment potentially PCB contaminated? If no, note and stop here. If yes, note the location of the management unit, and the method of management, and proceed.	Y / N	
40 CFR 761.65 (c) (5)	Are PCB articles or containers stored in this building checked for leaks at least once every 30 days?	Y / N	
	If yes, are auditable records maintained.	Y / N	
40 CFR.30 (a) (1) (ix)	Are any PCB transformers in use, or stored for possible reuse, that contain PCB's at concentrations of 500 ppm or greater?	Y / N	
	Are they visually inspected quarterly? If yes, are auditable records maintained?	Y / N	

Environmental Appraisal Checklist

Building Name: Paint Shop Appraisers: Terry Glander, John Puckett, Mary-Louis Hoagland, Mary Sizemore Date: 2/28/96

TSCA Checklist

Regulatory Guideline	Question	Response	Comments
40 CFR 761.30 (a) 1,viii	Are all combustible materials (i.e., paints, solvents, plastics, paper, sawn wood, etc.) cleared from areas containing PCB transformers to a distance of five meters?	Y / N	
40 CFR 761.65 (b) (8)	Are all PCB articles and containers labeled with the date they were placed in storage?	Y / N	
	Are labeled PCB articles and containers stored so that the labels can be referenced?	Y / N	
40 CFR 761.65 (a)	Are all PCB's and PCB contaminated items at concentrations above 50 PPM, that are stored for disposal, stored no longer than one year from the date they were placed in storage?	Y / N	
40 CFR 761.62 (b) (1) (i)	Do all PCB storage areas have an adequate roof and walls to prevent rainwater from reaching the stored items?	Y / N	
40 CFR 761.62 (b) (1) (iv)	Are storage are floors curbed and constructed of continuous smooth and impervious materials?	Y / N	
40 CFR 761.62 (b) (1) (i)	Are the curbs at least 6 inches high?	Y / N	
40 CFR 761.62 (b) (1) (iii)	No drains are allowed in storage areas. Are there drains in the storage areas?	Y / N	

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9.24-26

Environmental Appraisal Checklist

Building Name: PAINT Shop

Appraisers: Terry Glander, Mary-Louis Hoagland, John Puckett, Mary Sizemore

Date: 2/28/96

TSCA Checklist

Regulatory Guideline	Question	Response	Comments
40 CFR 761.65 (c) (2)	Only non-leaking and undamaged large high voltage PCB's capacitators and PCB-containing electrical equipment are allowed to be stored outside of PCB storage areas, on pallets if stored outside, with containment for 10 percent of the volume of the equipment. Do all PCB's stored in this configuration conform with this requirement?	Y / N	
40 CFR 761.45 and .65	Are all PCB storage areas marked with a large PCB mark as described in 40 CFR 761.45 (a)?	Y / N	
40 CFR 761.65 (c) (5)	Have all leaking PCB articles and containers been transferred to non-leaking containers?	Y / N	
40 CFR 761.65 (c) (6)	Do all PCB storage containers for the storage of liquid and non-liquid PCB's comply with DOT shipping container specifications?	Y / N	

GENERAL COMMENTS:

Environmental Appraisal Checklist

Building Name: Paint Shop Appraisers: Terry Glander, Mary-Louis Hoagland, John Puckett, Mary Sizemore Date: 2/28/96

Low-Level Waste and Transuranic Waste Screening Checklist

Does this facility contain radioactive waste ?	Y (N)	If yes, conduct the following survey.

Low-Level Waste and Transuranic Waste Checklist

Regulatory Guideline	Question	Response	Comments
Low-Level Waste			
DOE Order 5820.2A Chapter III	Can any waste generated in, or from, this building be characterized either through process knowledge or by analyses to determine if it is LLW ? If the answer is no, note. If the answer is yes, proceed with next section.	Y / N	
DOE Order 5820.2A Chapter III.	Are any of the materials noted by inspection LLW? If no, The audit would stop here, because there are no LLW. If yes, note the location of the management unit, and the method of management, and proceed with the section below.	Y / N	
DOE Order 5820.2A Chapter III, 3.a.	Have the storage configurations in use in this area been taken into account for keeping external exposures to the general public below 25 mrem/yr?	Y / N	
	Is the waste stored in a configuration that protects ground-water resources?	Y / N	
DOE Order 5820.2A Chapter III, 3.b.	Has monitoring been conducted in this area in accordance with DOE Order 5820.2A in order to evaluate the area against the performance standard?	Y / N	
	Based on field data, does the monitoring conducted in this area conform to the performance standard?	Y / N	

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9.24-28

Environmental Appraisal Checklist

Building Name: Paint Shop Appraisers: Terry Glander, Mary-Louis Hoagland, John Puckett, Mary Sizemore Date: 2/28/96

Low-Level Waste and Transuranic Waste Checklist

Regulatory Guideline	Question	Response	Comments
DOE Order 5820.2A Chapter III, 3.d.	Based on field data, is the characterization of the materials in this area sufficient to assure proper segregation to assure proper segregation, treatment, storage, and disposal?	Y / N	
	Based on field data does the characterization as documented at the time of generation of the waste ensure that the actual physical and chemical characteristics, and major radionuclide content of this material are recorded and known at all stages of the waste management process?	Y / N	
	Do characterization data include the following:		
	Physical and chemical characteristics of the waste?	Y / N	
	Volume of the waste (including solidification and absorbent material)?	Y / N	
	Weight of the waste (including solidification and absorbent material)?	Y / N	
	Major radionuclides and their concentrations?	Y / N	
	Packaging date, package weight, external volume?	Y / N	
	How were the concentration of radionuclides determined? Direct methods?	_____	
	How were the concentrations of radionuclides determined? Indirect methods?	_____	
DOE Order 5820.2A Chapter III, 3.h	Is the storage configuration in long term storage sufficient to meet the performance standard?	Y / N	
	Are records maintained at the facility enabling this waste to be traced from its origin?	Y / N	

Building Name: PAINT Shop Appraisers: Terry Glander, John Puckett, Mary-Louis Hoagland, Mary Sizemore Date: 2/28/96

Low-Level Waste and Transuranic Waste Checklist

Regulatory Guideline	Question	Response	Comments
TRU WASTE			
	Can any waste generated in, or from this building be characterized either through process knowledge or by analyses to determine if it is TRU waste? If no, note and stop. If yes, proceed with the next section.	Y / N	
	Are any of the materials noted as being TRU waste during an inspection? If no, note and stop. If the answer is yes, note the location of the management unit, and the method of management and proceed with the appropriate section below.	Y / N	
DOE Order 5820.2A, Chapter II, 3.a	Was this material evaluated as soon as possible in the generating process, to determine if it is TRU (>100nCi/g), if it is recoverable, or if it is waste? (Note if the activity level is less than 100nCi/g, the waste is not TRU, and can be managed as LLW.)	Y / N	
	Did the determination of TRU radionuclide concentration include the mass of the container, including shielding? These should be included in calculating the specific activity of the waste.	Y / N	

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9.24-30

Environmental Appraisal Checklist

Building Name: Paint Shop Appraisers: Terry Glander, Mary-Louis Hoagland, John Puckett, Mary Sizemore Date: 2/28/96

Low-Level Waste and Transuranic Waste Checklist

Regulatory Guideline	Question	Response	Comments
DOE Order 5820.2A, Chapter II, 3.b	Has the TRU waste been assayed or otherwise evaluated to determine its radioactive content prior to storage?	Y / N	
	Has the TRU waste been characterized or otherwise evaluated to determine if hazardous waste is present?	Y / N	
	Has classified TRU waste been treated to destroy the classified characteristics?	Y / N	
DOE Order 5820.2A, Chapter II 3.d	Has all newly generated TRU waste been packaged in non-combustible packaging that meets DOT requirements?	Y / N	
	Have all Type A TRU waste packages been equipped with a method to prevent pressure buildup?	Y / N	
	Have all TRU packages been marked, labeled and sealed in accordance with 40 CFR 261 Subpart C and 49 CFR 172 Subparts D, E and 49 CFR 173 Subpart I?	Y / N	

Environmental Appraisal Checklist

Building Name: PAINT Shop

Appraisers: Terry Glander, Mary-Louis Hoagland, John Puckett, Mary Sizemore

Date: 2/28/96

Low-Level Waste and Transuranic Waste Checklist

Regulatory Guideline	Question	Response	Comments
DOE Order 5820.2A, Chapter II 3.e	Has the TRU waste been segregated in manner that will not permit commingling of TRU waste with LLW or high-level waste?	Y / N	
	Has the TRU waste been protected from unauthorized access?	Y / N	
	Has the TRU waste been monitored periodically to ensure that it is not releasing its radioactive and/or hazardous constituents?	Y / N	
	Has this TRU waste storage area been designed, constructed, maintained, and operated to minimize the possibility of fire, explosion, or accidental release of its radioactive and/or hazardous constituents?	Y / N	
	Does the facility have a contingency plan designed to minimize the adverse impacts of fire, explosion, or accidental release of its radioactive and/or hazardous constituents?	Y / N	

GENERAL COMMENTS:

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Environmental Appraisal Checklist

Building Name: PAINT Shop Appraisers: Terry Glander, John Puckett, Mary-Louis Hoagland, Mary Sizemore Date: 2/28/96

Waste Minimization/Pollution Prevention Activities Screening Checklist

Does this facility generate waste or use chemicals?	(Y) / N	If yes, conduct the following survey.

Waste Minimiaztion/Pollution Prevention Activities Checklist

Regulatory Guideline	Question	Response	Comments
	Based on available information and a walk through, are there any apparent opportunities to curtail the consumption of raw materials (including but not limited to paper, chemicals, electricity, and etc.). If yes, list candidate areas in the comment section.	(Y) / N	
	Are there solvent wastes?	(Y) / N	PAINT THINNERS / TCE
	Is vehicle maintenance performed?	Y / (N)	
	Are oils used ?	Y / (N)	
	Are these corrosive wastes?	Y / (N)	
	Are there sludges?	Y / (N)	
	Are there halogenated organic (nonsolvent) wastes?	Y / (N)	PAINT WASTE IS LATEX
	Are metals recovered from wastewater?	Y / (N)	
	Is waste sludge generated?	Y / (N)	
	Are any waste minimization practices used that reduce the generation of sludge?	Y / N	N/A
	Ion exchange process?	Y / (N)	
	Lead in gasoline lowered to reduce tank sludge toxicity?	Y / (N)	
	Storage tank agitators installed?	Y / (N)	
	Corrosive resistant materials used?	(Y) / N	PAINTS / RUSTOLEUM
	Prevention of crude oil oxidation ?	Y / (N)	
	Drying?	Y / (N)	

Environmental Appraisal Checklist

Building Name: Paint Shop Appraisers: Terry Glander, Mary-Louis Hoagland, John Puckett, Mary Sizemore Date: 2/28/96

Waste Minimization/Pollution Prevention Activities Checklist

Regulatory Guideline	Question	Response	Comments
HALOGENATED ORGANIC (NONSOLVENT) WASTES			
	Are halogenated organic wastes used as fuel in cement kilns?	Y / N	
	Are baghouse filters used to collect pesticides and pesticide intermediates?	Y / N	
	Are solid wastes generated from the collection of baghouse dust?	Y / N	
	Wet instead of dry grinding used?	Y / N	
	The output spray dried?	Y / N	
	Has baghouse emptying and recycling of baghouse fines been scheduled?	Y / N	
	Have operations been evaluated to improve procedures such as handling, storage and spill prevention for increased efficiency?	Y / N	
METAL WASTES			
	Are any technologies for the recovering of metals from waste rinsewater used?	Y / N	
	Evaporation of waste rinsewater?	Y / N	
	Reverse osmosis?	Y / N	
	Ion exchange?	Y / N	
	Electrolysis?	Y / N	
	Agglomeration?	Y / N	
CORROSIVE WASTES			
	Are acidic or basic cleaning solutions used as treatment for pH adjustment chemicals?	Y / N	

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Environmental Appraisal Checklist

Building Name: Paint Shop Appraisers: Terry Glander, Mary-Louis Hoagland, John Puckett, Mary Sizemore Date: 2/28/96

Waste Minimization/Pollution Prevention Activities Checklist

Regulatory Guideline	Question	Response	Comments
	Are ion exchange resins used to remove heavy metals and cyanides from acid and base solutions?	Y / N	
	Is crystallization used to remove corrosives from solution by cooling?	Y / N	
	Is the process of evaporation of liquid wastes by heating used to leave behind a more concentrated solution?	Y / N	
CYANIDE AND REACTIVE WASTES			
	Has non-cyanide or low concentration of cyanide process replaced zinc cyanide bath ?	Y / N	
	Are any of these processes used to recycle cyanide wastes?	Y / N	
	Refrigeration/crystallization?	Y / N	
	Evaporation?	Y / N	
	Ion exchange?	Y / N	
	Membrane separation which includes reverse osmosis or electrodialysis?	Y / N	
VEHICLE MAINTENANCE			
	How are auto parts cleaned?	Y / N	
	Solvent sink?	Y / N	
	Solvent dunk bucket?	Y / N	
	Solvent dip tank?	Y / N	
	Are parts cleaning solvents used for anything else besides cleaning parts?	Y / N	
	Are spills reduced by locating sinks or dunk buckets near auto service bays?	Y / N	

Environmental Appraisal Checklist

Building Name: Paint Shop Appraisers: Terry Glander, John Puckett, Mary-Louis Hoagland, Mary Sizemore Date: 2/28/96

Waste Minimization/Pollution Prevention Activities Checklist

Regulatory Guideline	Question	Response	Comments
	Are cleaned parts drained on the sink to minimize solvent spills?	Y / N	N/A
	Are drip tanks used to capture losses?	Y / N	N/A
	Is a solvent sink used for mineral solvents rather than a dunk bucket or dip tank?	(Y) / N	FOR PAINT SPRAY
	Does a waste hauler collect solvent waste for recycling or treatment?	Y / N	N/A
OILS			
	What kind of oils are used?		
	Hydraulic oil?	Y / N	
	Transformer oil?	Y / N	
	Metal working fluids?	Y / N	
	Spent lubricating oils?	Y / N	
	Can the process be modified or changed to use water-based fluids?	Y / N	
	Are these good housekeeping and operation practices used to minimize oil waste production?		YES
	Use oils not contaminated with other liquids?	Y / N	
	Oil spills prevented?	Y / N	
	Drip pans installed?	Y / N	
	Oil soaked rags laundered?	Y / N	
	Rags and absorbants used to their limit?	Y / N	

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Environmental Appraisal Checklist

Building Name: Paint Shop Appraisers: Terry Glander, John Puckett, Mary-Louis Hoagland, Mary Sizemore Date: 2/28/96

Waste Minimization/Pollution Prevention Activities Checklist

Regulatory Guideline	Question	Response	Comments
	Are these treatment techniques used to promote separation of oil/water wastes?		
	Reclaiming process to remove water and solvents by heat?	Y / N	
	Gravity setting?	Y / N	
	Screening?	Y / N	
	Centrifugation?	Y / N	
	Filtration?	Y / N	
SOLVENT WASTES			
	Has there been an attempt to reduce volume or toxicity by:		
	Eliminating solvents?	(Y) / N	
	Reducing the use of solvents?	Y / N	
	Reducing the loss of solvents?	Y / N	
	Increasing recyclability?	(Y) / N	
	Are solvents segregated?	(Y) / N	
	Are waste solvents free from water and garbage?	(Y) / N	
	Are recycled solvent containers labeled as such?	Y / N	N/A
	Are containers kept closed?	(Y) / N	
	Free and sheltered from the elements?	(Y) / N	
	Are solvent tanks kept as free from contaminations as possible so that the waste can be recycled?	(Y) / N	
	Is a method used to minimize the use of new materials such as a countercurrent process?	Y / N	N/A

Environmental Appraisal Checklist

Building Name: Paint Shop Appraisers: Terry Glander, John Puckett, Mary-Louis Hoagland, Mary Sizemore Date: 2/28/96

Waste Minimization/Pollution Prevention Activities Checklist

Regulatory Guideline	Question	Response	Comments
	If there is a recycling program, what technique is used?	Y / N	
	Distillation?	Y / N	
	Solids removal?	Y / N	
	Dispersion breaking?	Y / N	
	Dissolved and emulsified organics recovery?	Y / N	
	Are any of these housekeeping procedures used to minimize the production of solvent wastes?		
	Separators cleaned and checked?	Y / N	
	Parts not allowed to enter the degreaser while wet?	Y / N	
	Sludge from the bottom of the tank not allowed to accumulate?	Y / N	
	Lids kept on tanks?	Y / N	
	Freeboard space on tanks increased?	Y / N	
	Are better operating practices used to reduce waste?	Y / N	
	How long is solvent waste stored and where?	_____ _____	

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9.24.6.2 Building Manager's Questionnaire

Building Manager's Questionnaire

Building Name: PS Building Manager: J.L. Boston Phone: 3262 Date: 12-07-95
Alternate: _____ Phone: _____

1. What are the access requirements (training, clearance, etc.)?
   None

2. What protective equipment is required to enter the building?
   SAFETY GLASSES
   SAFETY SHOES

3. Are there any restricted areas? (Yes) No Rm 5
   Where are they?
   CABINET EQUIP IN CABINET
   TO CHECK RUN MOISTURE. LABEL
   RADIOACTIVE MATERIAL (LOCKED)

4. Provide a physical description of the building.

Building PS is a prefabricated metal building with a metal roof. Total area is 2,288 ft^2. It has central steam service. The building contains asbestos and it may be contaminated with solvents and paints. The building contains an EPA-permitted paint spray booth, with specially designed ventilation and filtration system to trap volatiles.

Source: Mound Facility Physical Characterization, 12-1-93

5. Provide a drawing of the building.

Attached

6. What is the current building use?

The building is used for storage and as a paint shop.

Source: Mound Buildings, 5-9-95

7. What is the history of building use other than that described in #6?

Source: Mound Buildings, 5-9-95

Building Manager's Questionnaire

Building Name: PS Building Manager: J.L. Boston Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

8. What are ongoing operations or processes? What are the raw materials and waste streams from each process? Who is the best contact for each process?

Process(es) Housed: Paint shop

How Wastes Are Generated:

Spray painting in PS is done in an enclosed booth. A filter system in the booth captures the overspray. Until recently, a wet filter system was used. In this system, the overspray was trapped in circulating water, and that water was disposed of as a hazardous waste. The wet filter system has been replaced by a dry one. When the dry filters are removed, the paint on them is allowed to dry, and then the filter is put in the trash.

Contact:
Phone #:

Source: Characterization of Mound's Hazardous, Radioactive, and Mixed Wastes, (8-15-90).

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Building Manager's Questionnaire

Building Name: PS Building Manager: J.L. Boston Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

9. In the last six months, have any modifications been made to the building or to processes in the building? Yes (No)

10. Does the building have air emission sources? Yes

Process Source	Room Number	Hood Number	Active	Chemicals Used	Quantity Used	Quantity to Waste Management	Lbs./Yr. Operation	Air Emissions
Paint spray Booth			Y		0.0865		179.92	
			Y / N					
			Y / N					
			Y / N					
			Y / N					

Source: Mound Air Emissions Database 11/30/95

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Building Manager's Questionnaire

Building Name: PS Building Manager: J.L. Boston Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

11. Describe air pollution control equipment used to reduce emissions for each source.

Process Source	Emissions	Control Equipment	Functioning
Paint spray booth		Fabric filter	Y / N
			Y / N
			Y / N

Source: Air Permits 2/4/95

12. For existing permits are emissions monitored? At what frequency? Where are the records maintained?

Process Source	Permit	Log	Permit Conditions & Frequency of Monitoring
Paint spray booth	857091196K001	Y / N	Daily records of paint and thinner quantities maintained for 2 years. Do not exceed 6.5 gal/day VOC. Do not exceed ~~25 TPY~~ 2.5 TPY organic compound emissions.
		Y / N	
		Y / N	

Source: Air Permits 2/4/95

13. Does the building have domestic water service? (Yes) No
Is there bottled water? Yes (No)

14. Does the building discharge to the storm sewer? Yes No ?
Where?

15. Does the building discharge to the sanitary sewer? Yes (No)
Where?

16. Has an asbestos survey been conducted? Yes
What are the results? Yes

Source: Technical Manual MD-10391, Issue 3 Asbestos Program Manual 9/6/95

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Building Manager's Questionnaire

Building Name: PS Building Manager: J.L. Boston Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

17. Does the building contain transformers or capacitors? NO

Source: PCB ANNUAL DOCUMNET LOG

18. Has the building been identified as containing PCBs? NO

How Wastes Are Generated:

Source: PCB ANNUAL DOCUMENT LOG

19. What chemicals are used or stored inside or outside of the building? Include compressed gasses not in large tanks.

Chemical Name	State	Amount (MAX)
LOCTITE ANTISLIP TREAD COMPD	L	8
MICRO		8/G

Source: Chemical Inventory 1994

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Building Manager's Questionnaire

Building Name: PS Building Manager: J.L. Boston Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

20. Has there been a reported spill, leak, or other release of any chemical? Yes (No)
What, how much, and what clean-up measures were followed?

Chemical	Amount	Clean-up Measures

Source: _____

21. Where do waste chemicals go?

See ATTACHED

22. What janitorial supplies are stored inside or outside of the building?

NONE

23. Where do excess janitorial supplies go?

N/A

Source: _____

24. Are pesticides or herbicides stored or used in or around the building? Yes (No)

Chemical	Amount	Chemical	Amount

Source: _____

9.24-46

Building Manager's Questionnaire

Building Name: PS Building Manager: J.L. Boston Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

25. Does the building contain active or inactive above ground storage tanks? Yes (No)
For each tank, list the content, quantity, last inspection, registration number.

Registration Number	Content	Quantity	Last Inspection Date	Preventive Maintenance Performed	Inside Or Outside
	ARGON	6000 GAL		Y/N	
	HELIUM	60000 SQ FT (ERROR?)		Y/N	
				Y/N	

Source: Emergency and Hazardous Chemical Inventory Form - Chemical Storage Tanks on EGG Mound Site Owned and Maintained by Outside Contractors 8/8/94

26. Is there a sump or pit or underground tank in or around the building?
Yes (No) Unknown
Is it double-walled? What does it contain? How many days per year is it filled?
Is there an emergency overflow tank? Have there been previous overflows?

Double-Walled	Contents	Days/Year in Use	Overflow Tank	Previous Overflow
Y / N			Y / N	Y / N

Source: _____

27. Does the building generate, store, or dispose of hazardous waste? Yes No

Materials	Amount
Attached	

Source: Characterization of Mounds Hazardous, Radioactive, and Mixed Wastes 08/15/90

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PAINT SHOP	HICKMAN WET PATCH	D001	18.4
PAINT SHOP	HICKMAN WET PATCH	D001	10.0
PAINT SHOP	HICKMAN WET PATCH	D001	10.0
PAINT SHOP	HICKMAN WET PATCH	D001	10.0
PAINT SHOP	HICKMAN WET PATCH	D001	10.0
PAINT SHOP	HICKMAN WET PATCH	D001	10.0
PAINT SHOP	HK ELASTIC	NONE	55.0
PAINT SHOP	KOPPER TAR ROOF CEMENT	D001	165.0
PAINT SHOP	LAP SEALANT	D001	3.0
PAINT SHOP	MARLITE ADHESIVE	D001	10.0
PAINT SHOP	NAZ-DAR KC	NONE	10.0
PAINT SHOP	NITRIC ACID	D001	2.0
PAINT SHOP	NON SLIP COATING	D001	15.0
PAINT SHOP	PAINT RAGS, FILTERS, SOLVENT BASED	F002 F003 F005	101.8
PAINT SHOP	PAINT RAGS, FILTERS, SOLVENT BASED	F002 F003 F005	100.9
PAINT SHOP	PAINT RAGS, SOLVENT BASED	F002 F003 F005	92.9
PAINT SHOP	PAINT RAGS, SOLVENT BASED	NONE	84.3
PAINT SHOP	PAINT RAGS, SOLVENT BASED	NONE	84.0
PAINT SHOP	PAINT RAGS, SOLVENT BASED	NONE	83.8
PAINT SHOP	PAINT RAGS, SOLVENT BASED	NONE	88.3
PAINT SHOP	PAINT WASTE WITH PETROLEUM DISTILLATES	D001	50.0
PAINT SHOP	PAINT WASTE WITH PETROLEUM DISTILLATES	D001	50.0
PAINT SHOP	PAINT WASTE WITH PETROLEUM DISTILLATES	D001	50.0
PAINT SHOP	PAINT WASTE WITH PETROLEUM DISTILLATES	D001	50.0
PAINT SHOP	PAINT WASTE, SOLVENT BASED	D001 F002 F003 F005	284.0
PAINT SHOP	PAINT WASTE, SOLVENT BASED	D001 F002 F003 F005	172.0
PAINT SHOP	PAINT WASTE, SOLVENT BASED	D001 F002 F003 F005	443.7
PAINT SHOP	PAINT WASTE, SOLVENT BASED	D001 F002 F003 F005	326.1
PAINT SHOP	PAINT WASTE, SOLVENT BASED	D001 F002 F003 F005	401.0
PAINT SHOP	PAINT WASTE, SOLVENT BASED	D001	200.5
PAINT SHOP	PAINT WASTE, SOLVENT BASED	D001	171.2
PAINT SHOP	PAINT WASTE, SOLVENT BASED	D001 F002	496.5
PAINT SHOP	PAINT WASTE, SOLVENT BASED	D001 F002	332.2
PAINT SHOP	PAINT WASTE, SOLVENT BASED	D001 F002	334.4
PAINT SHOP	PAINT WASTE, SOLVENT BASED	D001 F002	583.0
PAINT SHOP	PAINT WASTE, SOLVENT BASED	D001 F002	450.0
PAINT SHOP	PAINT WASTE, SOLVENT BASED	D001 F002	554.4
PAINT SHOP	PAINT WASTE, SOLVENT BASED	D001 F002	398.0
PAINT SHOP	PAINT WASTE, SOLVENT BASED	D001 F002	400.0
PAINT SHOP	PAINT WASTE, SOLVENT BASED	D001	3.6
PAINT SHOP	PAINT WASTE, SOLVENT WASTE	D001 F002	330.4
PAINT SHOP	PAINT WASTE, SOLVENT, LEAD BASED	D001 D008	135.8
PAINT SHOP	PAINT WASTE, WATER BASED	NONE	209.0
PAINT SHOP	PAINT WASTE, WATER BASED	NONE	202.4
PAINT SHOP	PAINT WASTE, WATER BASED	NONE	175.2
PAINT SHOP	PAINT WASTE, WATER BASED	NONE	214.6
PAINT SHOP	PAINT WASTE, WATER BASED	NONE	212.5
PAINT SHOP	PORTER MCR 65 PART A	D001 F003	51.0
T SHOP	PORTER MCR 65 PART B	NONE	15.0

PAINT SHOP	ALUMINUM PAINT	D001	14.8
PAINT SHOP	AMSCO DESCALER	D002	8.8
PAINT SHOP	BRU-TONE	D001	10.0
PAINT SHOP	BRUNING 1200	D001	8.0
PAINT SHOP	BRUNING 1215	D001	5.3
PAINT SHOP	BRUNING 1407	D001	9.6
PAINT SHOP	BRUTECH	D001	10.0
PAINT SHOP	BRUTECH II PART A	D001	7.0
PAINT SHOP	CLEAR LAQUER SEALER	D001	45.0
PAINT SHOP	COLOR GUARD- TOLUENE, TRICHLOROETHANE	D001 F002 F005	8.4
PAINT SHOP	COPOLYMER RESIN	NONE	25.0
PAINT SHOP	DUPONT 2245 CONVERSION COATING	D002	6.3
PAINT SHOP	FIBER ROOF COATING 215	D001 F003	35.6
PAINT SHOP	FIBER ROOF FILLING 202	D001	66.9
PAINT SHOP	FIBER ROOF FILLING 202	D001	40.0
PAINT SHOP	FIBER ROOF FILLING 202	D001	40.0
PAINT SHOP	FIBERED ASHPALT EMULSION	NONE	35.3
PAINT SHOP	FIBERED ASHPALT EMULSION	NONE	78.0
PAINT SHOP	FIBERED ASHPALT EMULSION	NONE	35.0
PAINT SHOP	FIBERED ROOF COATING	D001	126.2
PAINT SHOP	HAMMERITE	F002	1.8
PAINT SHOP	HAMMERITE	F002	1.0
PAINT SHOP	HICKMAN MASTIC	D001 F003	110.0
PAINT SHOP	HICKMAN WET PATCH	D001	220.0
PAINT SHOP	HICKMAN WET PATCH	D001	10.0
PAINT SHOP	HICKMAN WET PATCH	D001	10.0
PAINT SHOP	HICKMAN WET PATCH	D001	10.0
PAINT SHOP	HICKMAN WET PATCH	D001	10.0
PAINT SHOP	ROOF-FLEX 176 PART A	D001 D035 F003 F005	36.6
PAINT SHOP	RUST-O-THANE	D001	11.4
PAINT SHOP	RUST-O-THANE	D001	9.2
PAINT SHOP	RUSTOLEUM	D001	5.5
PAINT SHOP	TILE ADHESIVE WITH TOLUENE	D001 F005	45.2

Building Manager's Questionnaire

Building Name: PS Building Manager: J.L. Boston Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

28. Does the building have abandoned process equipment such as tanks, piping, containers, etc.? Yes (No)

29. Is waste material stored in or around the building for more than 90 days?
Yes (No)

30. Has the building been identified as a 90-day waste accumulation area?
Yes (No)

31. Has any area in the building been identified as a satellite accumulation area?
Yes (No)

32. Is mixed waste generated, stored, or disposed of from the building? Yes (No)
Where are logs found?

Process	Waste	Stored	Disposed	Logs
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N

Source: _____

9.24-50

Building Manager's Questionnaire

Building Name: PS Building Manager: J.L. Boston Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

33. Is TRU radioactive waste generated, stored, or disposed of from the building?
Yes (No)
Where are logs found?

Process	Waste	Stored	Disposed	Logs
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N

Source: _____

9.24-51

Building Manager's Questionnaire

Building Name: PS Building Manager: J.L. Boston Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

34. Is low-level radioactive waste generated, stored, or disposed of from the building? Yes (No)
Where are logs found?

Process	Waste	Stored	Disposed	Logs
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N

Source: _____

35. Identify all administrative orders, temporary or permanent injunctions, civil administrative penalties, or criminal activities issued against the building.

9.24-52

Building Manager's Questionnaire

Building Name: PS Building Manager: J.L. Boston Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

36. Is there a waste minimization program in the building? Yes No
Discuss your ideas about how to minimize waste.

37. Has a pollution prevention program been developed for the building? Yes No

9.24-53

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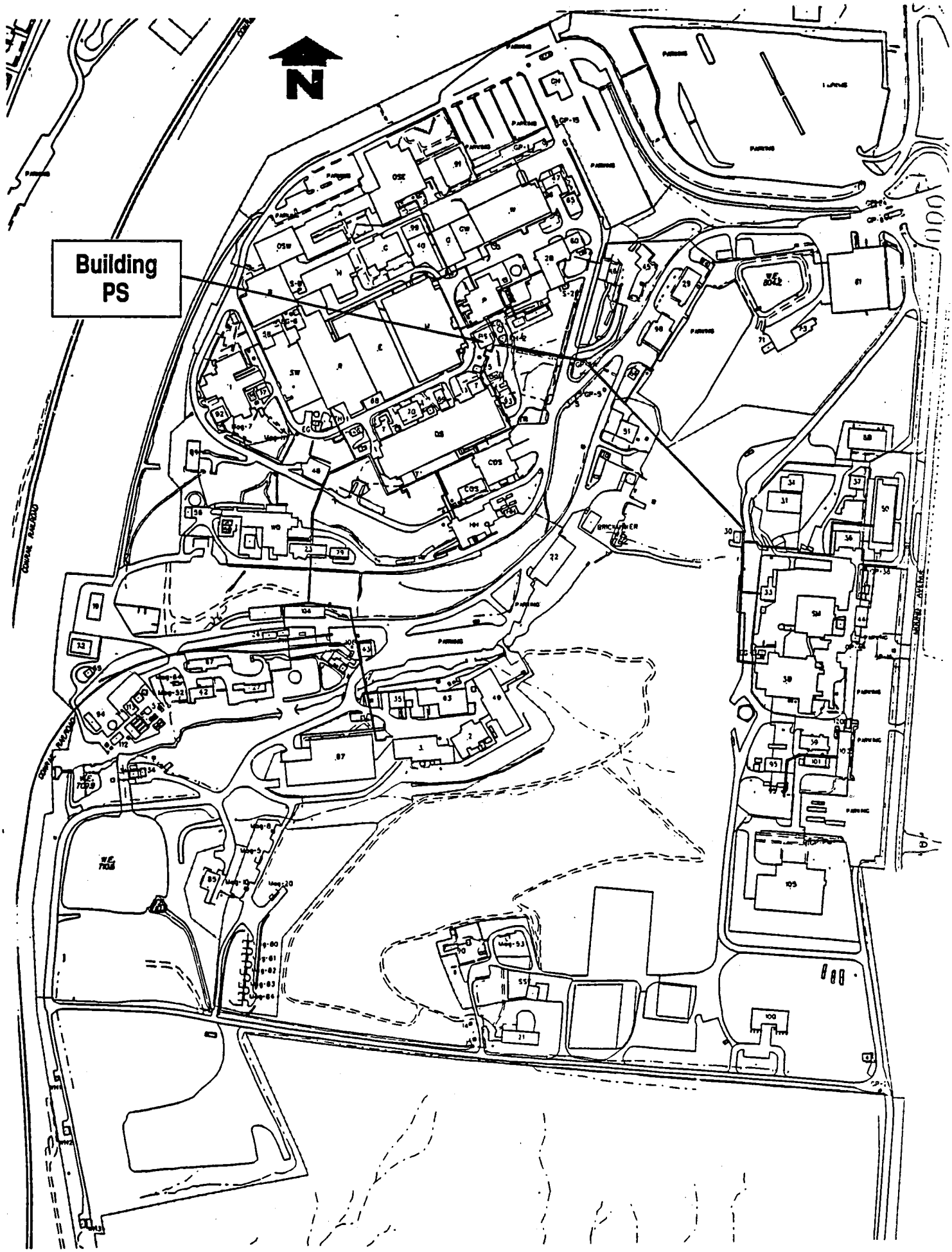
9.24.6.3 Location of Building PS



SOURCE: Operable Unit 9, Site Scoping Report: Volume 7-Waste Management Mound Plant, 7-92

9.24-57

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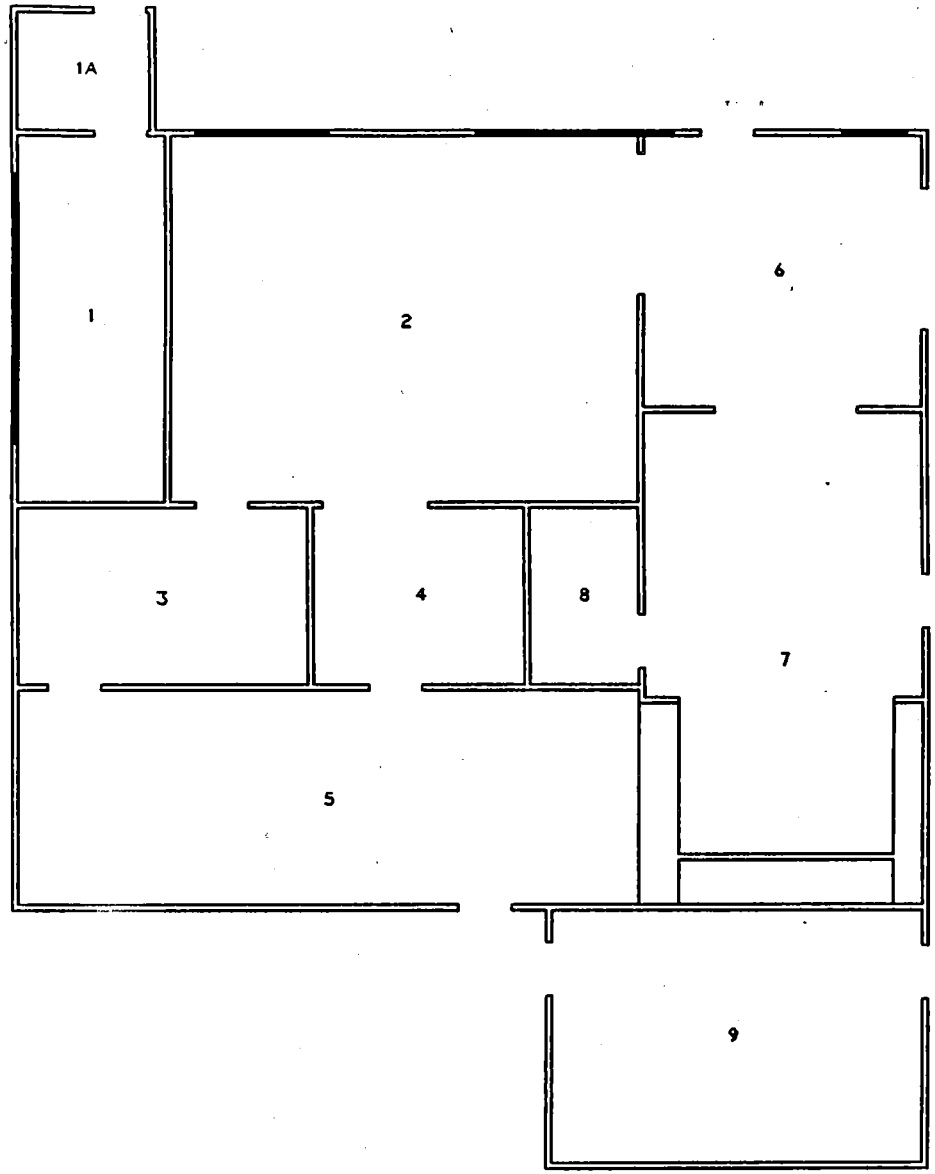
9.24.6.4 Floor Plans for Building PS

ISS	DATE	REVISION	BY	CHKR	ENG	LPMGR	APVD	N
Ø	12/12/91	ASBUILT ISSUE	DCW				DVD	



PS BLDG
FIRST FLOOR
BLDG CODE:3524

SHEET	1	2	3	4	5	6
ISSUE	Ø					
PARTY CLASSIFICATION						

TITLE (U) TITLE CLASSIFICATION
PS BLDG
FLOOR PLANS

STATED CLASSIFICATION UNCLASSIFIED	SIZE C	STANDARD NUMBER FSC911319	JOB NUMBER 12335
DWG TYPE SFP	PROJ PS BLDG	CODE 14865	SCALE AS NOTED	SHEET 1 OF 1
STATUS MD-REL-12/12/91		ORIGIN MD-BR3-V3.Ø	

DESIGN DWG	PROJ NUM
SPCNS	DWG SUPV
LP & GC	PROJ REV
DWG NUM	
APVD	DATE

APPROVALS: DATE:
SAFETY CONSTRUCTIVE REQUIRED:
___ MD/C ___ TRUEDOC ___ TEX. TOC
TECH. REQP. ___
GR. ___
TRUEDOC ___
TEXDOC ___
CHRDOC ___

9.24-61

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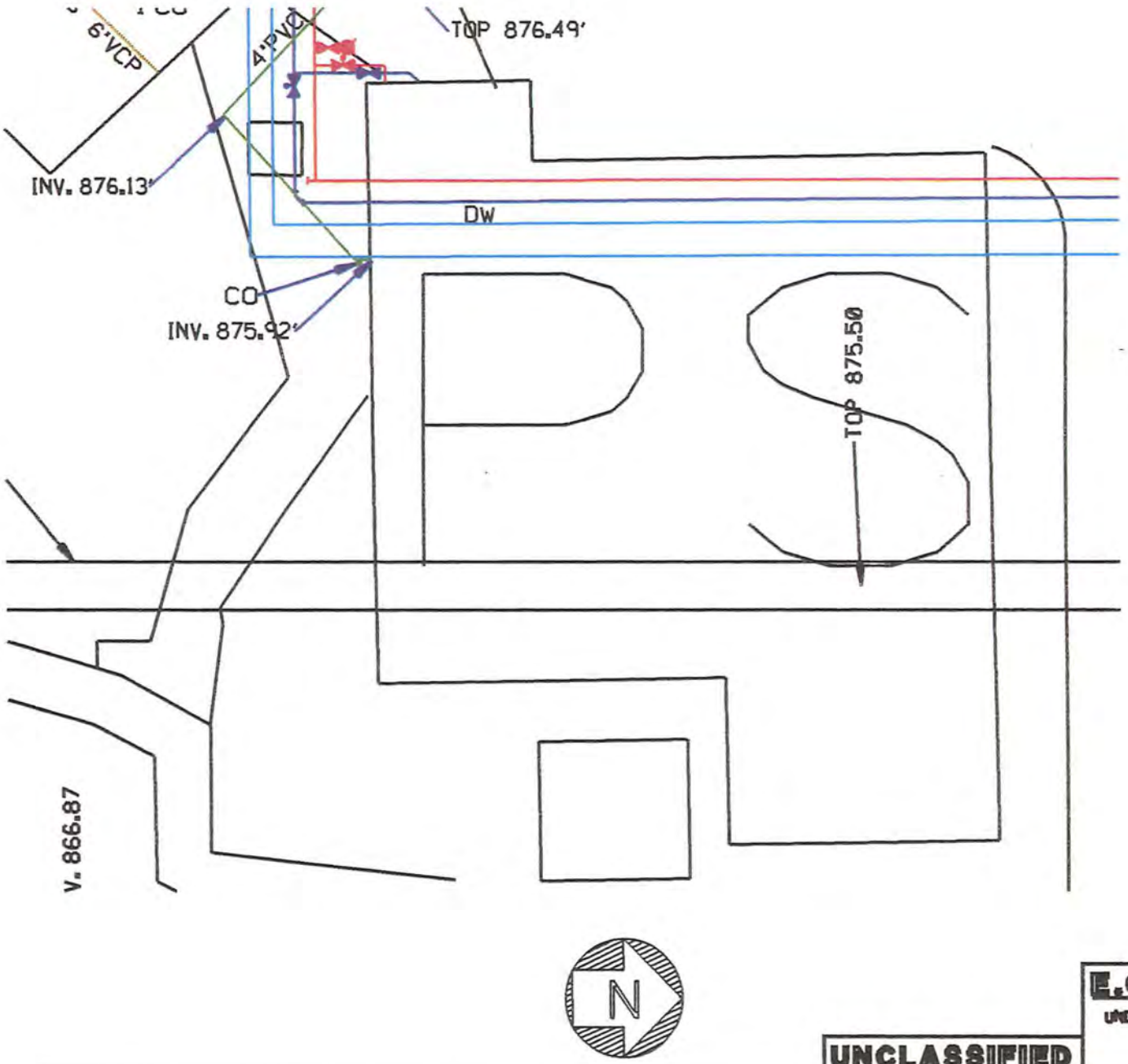
9.24.6.5 Underground Utility Lines



FIRE
POTABLE
RAW
SANITARY
STORM
RADIOLOGICAL

E.G. & G. - MOUND

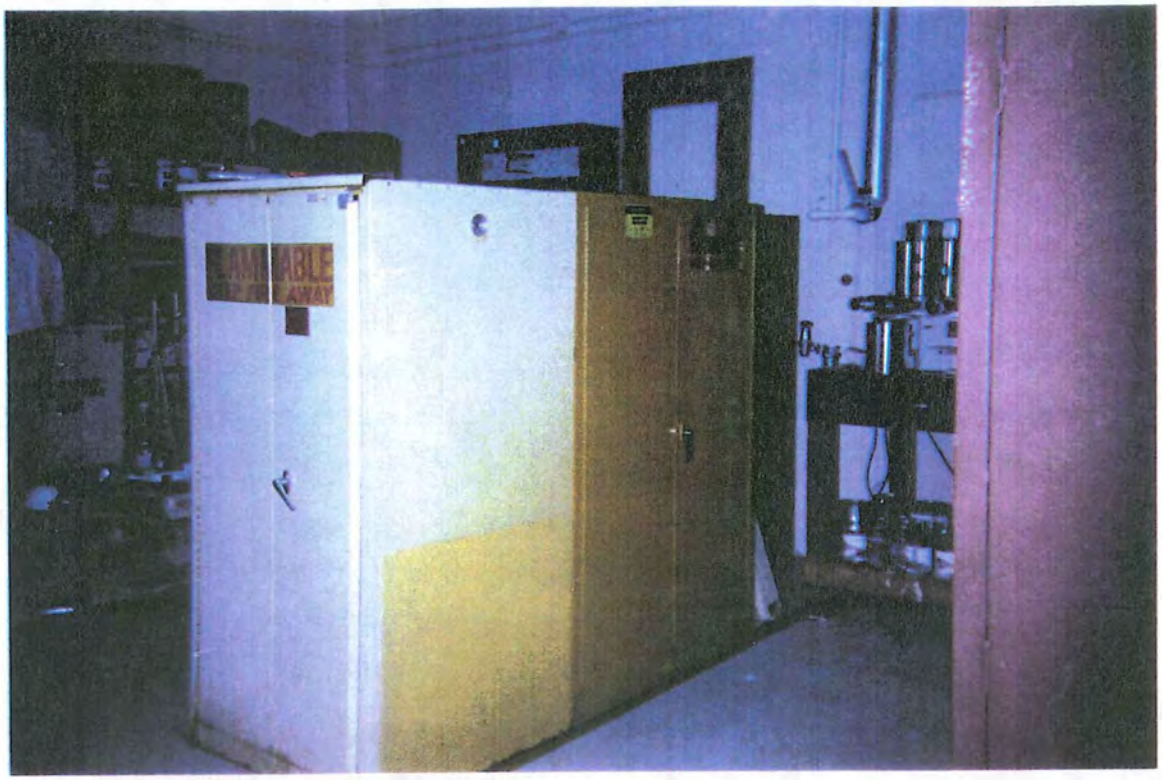
UNDERGROUND WATER & WASTE LINES
PS BLDG.

DATE: 3-5-96

UNCLASSIFIED

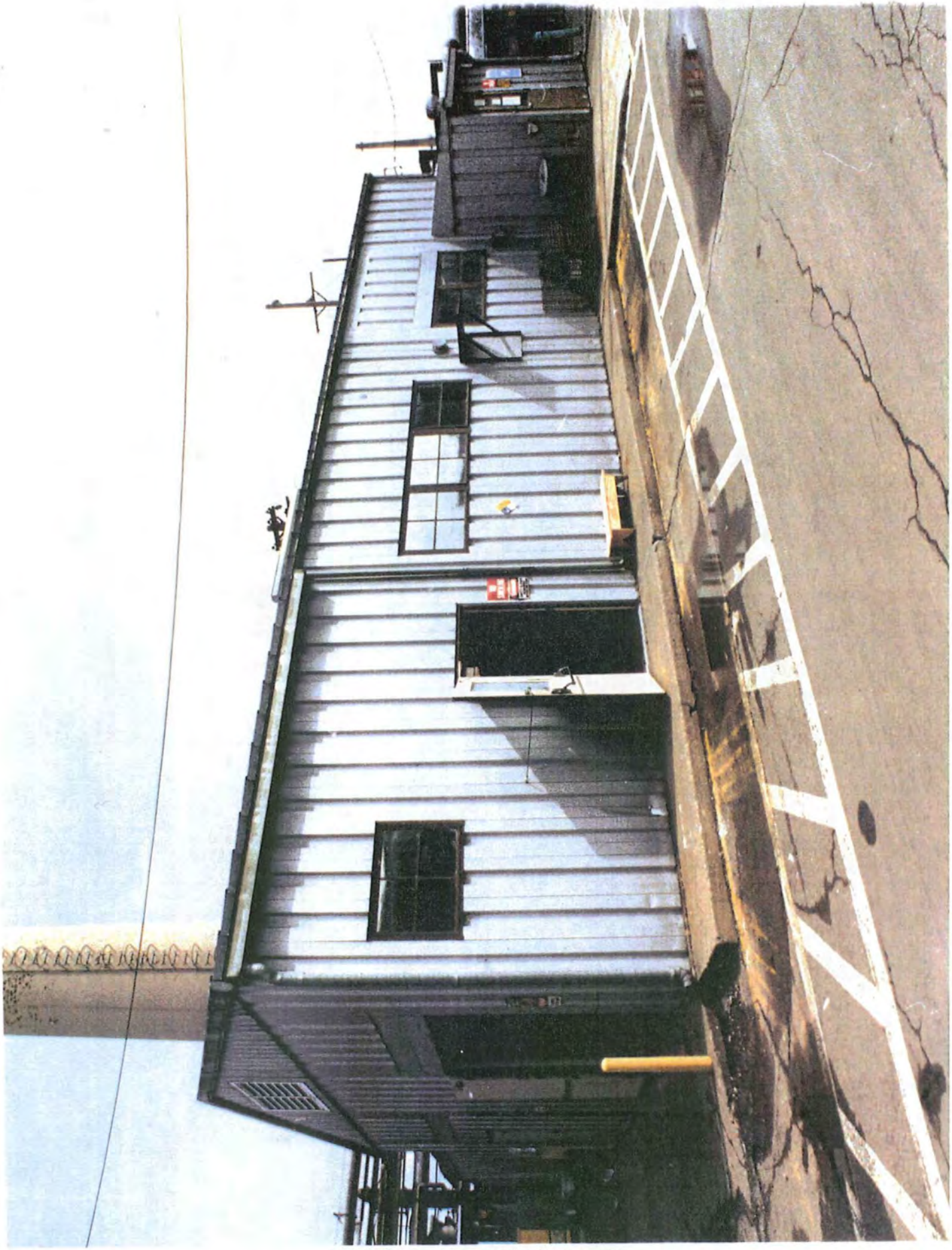
9.24-65

9.24.6.6 Photographs



(Above) Flammable storage cabinets are used to store chemicals in Building PS.

(Left) Aboveground tanks outside Building PS contain gas and do not require containment.



Mound Plant Building PS

9.24-69

9.25 BUILDING R

9.25.1 Scope of Building R Report

In late 1995 and the early months of 1996, EG&G MAT performed a review of environmental conditions at the Mound Plant. The purpose was to develop a performance baseline, and to identify areas for improvement on a building and a sitewide basis. EG&G MAT did not perform a "due diligence" or Phase I Environmental Site Assessment as specified by ASTM 1527 or ASTM 1528. The scope of the appraisal effort and a discussion of the appraisal methodology are detailed in Sections 2.0 and 5.0, found in Volume 1 of this report.

The appraisal team performed a walk-through of Building R on March 4, 1996. The Environmental Appraisal Checklist (EAC) was used to record findings. The EAC is found in Attachment 1 (Section 9.25.6.1). The appraisers were accompanied by the building manager. Other information was supplied by the building manager and recorded on the Building Manager's Questionnaire (BMQ), included as Attachment 2 (Section 9.25.6.2).

9.25.2 Description of Building R

Building R is a single-story structure, with a penthouse, constructed of concrete block with brick facing. The roof is metal with a built-up membrane of coal tar. Building R was one of the original buildings constructed in 1948. Building R is located on the main hill as shown in Attachment 3 (Section 9.25.6.3). Adjacent buildings are Building H to the north, Building E to the east, Building DS to the south and Building SW to the west. The building is serviced by central steam for heat, chilled water, and electrical service of 480V (*Mound Facility Physical Characterization*, 12-1-93).

Floor plans are presented as Attachment 4 (Section 9.25.6.4). The total area of Building R is 43,066 square feet. Currently, Building R has begun the Safe Shutdown process, however, the building has served a multitude of functions. The building was divided into two areas: the "cold" side and the "hot" side. The "hot" side is associated with radiological areas, in particular, it was used for tritium recovery and various analytical support tasks. The "cold" side of the building contained research and development laboratories, analytical laboratories, a respirator fitting facility, offices, and the library. Many of the analytical laboratories and associated equipment are under user agreements between Department of Energy (DOE) and private enterprises.

The building is contaminated with energetic and radiological materials with radiological buffer areas (RBA's) existing on the "cold" side. The crawl space above the ceiling is considered an RBA due to radiological contamination. In several rooms, beryllium contamination exists in fumehoods and associated ductwork. Asbestos containing materials are in the building (*Mound Facility Physical Characterization*, 12-1-93).

9.25.3 Summary of Findings

Several issues of environmental concern were identified during the walk-through and the review of reference materials. The primary issue is the management of waste in the building. Waste needs to be characterized, packaged properly, and disposed of promptly. Operations of private

companies using DOE facilities should be evaluated to ensure compliance with regulatory guidelines for air emissions and effluent discharges. In several areas of the building, chemicals were observed to be stored incompatibly or with no identification on chemical containers. A water fountain was identified as an Environmental Protection Agency (EPA) listed model suspected of lead contamination. Other water issues were the improper labeling of a service water line and no signs designating lab sinks as service water only. Chemicals identified as Clean Water Act (CWA) pollutants are used in the building. The Mound air emission inventory database and the Underground Storage Tank (UST) Plan requires updating. Housekeeping could be improved throughout the building.

9.25.4 Observations

9.25.4.1 Air Emissions

Eight applications were submitted on March 5, 1992 for Permits to Operate (PTO). No PTO's were received from the Ohio EPA. The applications cover the T-West stack, HEFS stack, EH-1, EH-2, and EH-3. Emissions from the T-West and HEFS stacks are monitored for radionuclides in accordance with the National Emission Standards for Hazardous Air Pollutants (NESHAPs) Federal Facility Compliance Agreement (FFCA) Compliance Work Plan, 2-20-95. High-efficiency particulate air (HEPA) filter banks filter the exhausts of operations from Building R prior to venting to the stacks. The HEPA filters are tested weekly and maintained in accordance with the Nuclear Standard NEF3-43, Quality Assurance Testing of HEPA Filters, and NEF3-45, Specifications for HEPA Filter Use by DOE Contractors. Mound's air emission inventory database for Building R is not current. The inventory database does not include approximately eighteen rooms where fumehoods are operating. Most of those not listed are posted as Safe Shutdown, as are several of those listed in the inventory database. Air emissions for these sources could not be visually verified. The team was unable to verify compliance with permit applications by private companies using the labs under user agreements. There are no fuel-burning units in the building. There was no visual evidence of fugitive dust.

9.25.4.2 Water Emissions

The Mound Facility has three wastewater collection systems: a sanitary wastewater system; a storm water system; and a radioactively contaminated process wastewater system. Sanitary wastewater is treated at an onsite tertiary treatment plant and subsequently discharged by hard pipe to the Great Miami River. Storm water and any non-process wastewater, single pass cooling water, and softener backwash may be discharged directly to the Great Miami River, via the Miami-Erie Canal, or may be diverted to a 3.1-million-gallon holding pond for settling prior to discharge. Radioactively contaminated wastewater is treated in Building WD by physical-chemical treatment. If appropriate, wastewater may be discharged by hard pipe to the Great Miami River. If concentrations of radioactive contaminants cannot be reduced to acceptable levels, wastewater is solidified and shipped to the Nevada Test Site or Envirocare for disposal. All outfalls are permitted under an active NPDES permit. Routine monitoring activities are in place. Based on NPDES monitoring report data reviewed, it appears that the facility is in compliance with qualitative and quantitative conditions of the permit.

9.25.4.2.1 Sanitary Wastewater

The building has sanitary services. According to a diagram of underground utility lines, presented as Attachment 5 (Section 9.25.6.5), the building is serviced by a sanitary line. Discharges to the sanitary system are by sinks, toilets and a sump. The sump is located in Corridor 2 and is identified in the UST Program as tank No. 120. There is a developing lab in Room 175 which discharges to the sanitary system. According to the building manager, the lab is still being used occasionally by a private company under a user agreement. A stain was observed in a sink in Room 180. Confirmation of drainage of sanitary waste into sanitary conveyance lines was not within the scope of this effort, therefore, neither dye tests nor or smoke tests were conducted. There is no monitoring of building effluent. Based on current operations identified by the process owner, effluent from Building R should not deviate from that expected by the sanitary treatment plant manager.

9.25.4.2.2 Storm Wastewater

The building is also serviced by storm drains according to Attachment 5 (Section 9.25.6.5). Roof drains discharge to the storm sewer. Exterior grates and drains were not tested to confirm that they connect to the storm drainage system. Inspection showed no sign of odors, colored discharges, or scarring which would indicate that any materials other than storm water have entered the storm drainage system.

9.25.4.2.3 Process Wastewater

This building does discharge radioactive wastewater to the WD facility. An active sump was observed in Room 128 of Building R. The sump is identified in the UST Program as Tank No. 19. According to the Active UST Plan, this sump is a double fiberglass tank set in concrete. The sump collects alpha water from operations in Building R, which is then discharged via a doubly encased, aboveground pipe to the WD facility. The team could not determine what processes discharge to this sump.

9.25.4.2.4 Chemicals

Chemicals listed in the BMQ in Attachment 2 (Section 9.25.6.2) for Building R were evaluated against Table V of Appendix D in 40 CFR 122 and several are considered CWA pollutants. Cyclohexane, xylene, strontium, and uranium were observed during the walk-through. There is a program in place for the orderly review of laboratory chemicals for reuse and recycling. Chemical storage and handling procedures are in place for proper disposal of chemicals by Mound personnel. The team was unable to observe or determine the disposal practices of private companies using the facility under user agreements. A stain was observed in Room 23 next to a 5-gallon container labeled hazardous waste. Laboratories with open floor drains were observed in Rooms 21, 25, and 137. In particular, an open floor drain is located next to a flammable cabinet containing flammable liquids and cancer-causing agents.

9.25.4.3 Potable and Service Water

Potable water is supplied to the building. Backflow prevention devices are installed at all visible points of potential cross-connections. Potable and service water lines are uniquely marked and easily identified, except in Room 27. The water line to the janitorial sink is marked drinking water, but the sink is posted as service water. Laboratory sinks in Rooms 116, 166, and 180 are not posted for service water only. Five water fountains supply drinking water for the building. Four of them are not EPA-listed models suspected of lead contamination. The other fountain was an EPA-listed model suspected of lead contamination. Two bottled water coolers are also used in the building. Neither water cooler was an EPA-listed model suspected of lead contamination.

9.25.4.4 Chemical Storage and Hazardous Materials

A chemical inventory for Building R is included in the BMQ, Attachment 2 (Section 9.25.6.2). The information was gathered as part of the annual chemical inventory. The inventory information dates to 1994. Data for 1995 were not available when the appraisal was performed. Conformation of the 1994 inventory by the appraisal team was not attempted, as the current year inventory was on-going. However, storage, handling. and disposal of chemicals observed during the appraisal were reviewed to assure conformance with 40 CFR 122, 40 CFR-260-265 and 268, and 29 CFR 1910.

There was visual evidence of chemical storage incompatibility. In particular, concentrated sulfuric acid was stored with other materials in Rooms 21, 25, 116, 128, 159B, and 177. MSDS's are available in the building and were reviewed randomly for completeness. MSDS's in Room 177 were not complete. Chemicals in unidentified containers were observed during the walk-through in Rooms 106, 120, 128, 142, and 181. There are flammable storage cabinets in Building R that meet standard National Fire Protection Association (NFPA) requirements in use in many of the laboratories.

Portions of the building are going through Safe Shutdown. As part of the Safe Shutdown process, some chemicals are being moved to Rooms 128 and 147 in Building R for characterization. Chemicals in radiological areas are moved to Room 128. Chemicals on the "cold" side are moved to Room 147. Chemicals going through the Safe Shutdown process were observed to be properly segregated. The processing of chemicals in Room 147 was observed to be further along than the safe shutdown operation in Room 128. A sealed 1-gallon container of acetonitrile was in the flammable cabinet in Room 128. If applicable, the chemicals can be reused elsewhere at Mound or they will be disposed of through Waste Management after characterization. According to the Safe Shutdown program, the disposition of chemicals, whether reused or disposed, is handled according to Safe Shutdown procedures in MD-10431. Documentation was not reviewed to determine whether any chemicals or hazardous materials have been removed from Building R or SW.

Compressed gas cylinders were observed to be properly stored in locations in and outside the building. Signs indicating storage areas for full and empty cylinders were noted to be appropriately placed. Several cylinders in the cylinder bank and Rooms 23 and 25 were missing full/empty tags.

The building is equipped with appropriate emergency response equipment such as eyewashes, safety showers, and fire extinguishers. Halon 1211 is the predominant fire extinguisher. The fire extinguisher in Corridor 4 needed to be recharged. Inspection tags for safety showers and eyewashes are present and current. There is an Emergency Evacuation Plan, and signs are posted in the building.

Two aboveground storage tanks in the penthouse were noted during the walk-through. One was the breathing air tank for bubblesuit work and the other was the deionized water tank. There are four underground storage tanks noted in the Active UST Plan. Tank No. 19 is a 500-gallon alpha wastewater sump located in R-128. Tank No. 120 is a 500-gallon sanitary sump located in Corridor 2. Tank No. 255 and 266 are 55-gallon calorimeter baths. There are no inlets or outlets to these tanks. Neither tank was verified visually during the walk-through as Room 111 was posted as a contamination area. Also noted during the walk-through was a deep well located in a vault (Room 117). This deep well was used to store radiological sources in deionized water. This deep well is not listed in the Active UST Plan.

The building was tested and does contain asbestos-containing building material (MD-10391, *Asbestos Program Manual*, 9-14-95). There was no visual evidence of friable asbestos. The areas containing asbestos material were observed to be identified and properly marked indicating the presence of asbestos.

There were no capacitors or transformers containing polychlorinated biphenyls (PCB's) observed in the building. However, an oil-filled electrical apparatus was observed in Room 197. There was no labeling to indicate whether this apparatus was PCB-free. According to the 1995 PCB Annual Document Log, there is no record of past presence.

9.25.4.5 Solid, Hazardous, and Radioactive Wastes

The solid waste generated in the building results from offices and laboratories. According to the decon foreman, solid wastes are removed by janitorial personnel from areas not within RBA's to a local collection point. A service contractor then takes the solid waste offsite to a local landfill. The disposal contract is maintained by Waste Management. There is no visual evidence that hazardous or radioactive materials or wastes are mixed with solid waste streams. However, the process for establishing the RBA's has not been documented and/or approved by the cognizant authority as complying with the waste moratorium Performance Objective by the delegated authority. Housekeeping could be improved throughout the building.

As portions of Building R are in the Safe Shutdown process, some hazardous materials may be declared a hazardous waste. Only hazardous waste certified as non-radioactive is allowed to be removed from RBA's. Hazardous wastes are collected and transported by representatives of the EG&G Waste Management Group, and stored in Building 72 for ultimate disposal. Mixed waste, any radioactive waste generated in an RBA is to be characterized as Resource Conservation and Recovery Act (RCRA) hazardous such wastes are collected and transported by representatives of the EG&G Waste Management Group, and stored in Building 23 for ultimate disposal. There is no onsite treatment of waste. Waste disposal manifests and Certificates of Disposal are maintained by the EG&G Waste Management Group. These conditions were not verified as no hazardous waste pickups were observed during the walk-through.

Five-gallon containers identified as hazardous waste were seen in several rooms; two 5-gallon containers in Room 23, two 5-gallon containers in Room 142, and seven 5-gallon containers in Room 177. This waste appears to be left over when ICP operations were shutdown. Some of these rooms are under a user agreement between DOE and private enterprize.

Radioactive solid waste generated in the building results from laboratories in RBA's. These streams were observed to be contained in low-level waste (LLW) drums. To limit access to waste drums, only administrative controls through locked rooms were observed during the walk-through. LLW boxes in the custody of the decon foreman that were not sealed or awaiting to be completely filled were chained and locked. LLW drums with incomplete waste generator forms were noted throughout the SW/R Tritium Complex. In particular, incomplete forms were found in Rooms 106, 114, 128, and 134 in Building R. The forms were either incomplete with respect to the waste in the drum, or they were not dated, or there were no generator signatures. Some of these drums were over two years old. Vacuum pump reservoirs containing used oil were unmarked with respect to content and radiation hazard. Five unlabeled drums containing liquid generated during a bio-remediation project on scintillation cocktail were in Room 106.

Several labs were not inspected because they were posted as high contamination areas. Those areas are Rooms 140, 152, 167, 172, and Corridor 5. Waste disposal practices in these areas were not reviewed or observed. Decontamination and decommissioning (D&D) of Rooms 102, 105, 137, 169, and 177 will potentially generate mixed waste due to the presence of beryllium contamination in the fumehoods and duct work. Lead bricks were noted in the Health Physics lab, which is an RBA.

9.25.4.6 Waste Minimization and Pollution Prevention

At Mound there is an active program to minimize waste streams in accordance with state and federal requirements and Executive Order 12856.

Recycling programs for paper, phone books, and aluminum cans are in place. Metal stock in Room 137 could be recycled. A considerable amount of waste is being generated from the single use policy for personal protective clothing in RBA's. This policy went into effect during the appraisal of the radiological buildings. The impact of this policy was observed during the walk-through, especially in the area of housekeeping.

9.25.5 Findings and Recommendations

Photographs were taken to document the environmental appraisal. They are included as Attachment 6 (Section 9.25.6.6).

The environmental appraisal of Building R indicates that the following action items, in priority order, should be planned and scheduled for accomplishment thus assuring that best management and operating practices are in place.

R-1 Building personnel need to characterize and then properly package the radiological waste generated. Drums should have generator forms to document characterization for chemicals, and physical and radiological contents as drums are filled. Unlabelled and/or uncharacterized drums in Rooms 106, 114, 128, 134, 171, and 172 should be labeled and characterized (DOE Order 5820.2A and/or OAC 3745-51). LLW must be controlled from the point of generation, with drums sealed when filled.

R-2 Personnel should be knowledgeable of waste management procedures concerning SAA's, the characterization of waste, and RCRA regulated materials in a radiation area. The appropriate training should be re-emphasized.

R-3 Acetonitrile is a RCRA-regulated chemical in an RBA. The potential for mixed waste can be minimized by removing this container from the RBA before the integrity of the seal is breached.

R-4 The 5-gallon containers identified as hazardous waste in Rooms 23, 142, and 177 from ICP operations may be subject to the 90-day storage exclusion under OAC 3745-52-11 (A) for waste that has been abandoned or left in place.

R-5 Oil reservoirs containing used vacuum pump oil are unidentified with respect to the content and radiation hazard. Oil reservoirs should be characterized as to the type of oil, whether any solvents were used, and the level of radioactivity. The difficulties in characterizing, packaging, and transferring tritium-contaminated oil to Waste Management should be resolved jointly.

R-6 Operations of private companies using DOE facilities should be evaluated to ensure compliance with regulatory guidelines for air emissions and effluent discharges.

R-7 Water fountain in Corridor 75 suspected of lead contamination should be replaced or removed.

R-8 Chemicals should be stored such that they are compatible with each other. Sulfuric acid is a strong oxidizer and should be stored separately. Chemical storage compatibility should be evaluated for all labs containing chemicals.

R-9 All chemical containers should be appropriately identified. Unidentified material was noted in Rooms 106, 120, 128, 142, and 181.

R-10 MSDS's in Room 177 should be updated for the chemicals in the lab.

R-11 The stain in the sink in Room 180 should be evaluated to determine whether any chemicals were emptied down the drain.

R-12 Service water should be properly identified by posting signs above the sinks in Rooms 116, 166, and 180. The water lines in Room 27 servicing the janitorial sink should be appropriately labeled.

R-13 The fire extinguisher in Corridor 4 needs to be recharged.

R-14 The electrical apparatus in Room 197 should be characterized for PCB's. The appropriate label should be applied after characterization.

R-15 The compressed gas cylinders in Rooms 23, 25, and the cylinder bank should carry a legible label or marking identifying their contents, including full/empty tags (CGA P-1).

R-16 Applications on file with the Regional Air Pollution Control Agency (RAPCA) for air emission sources should be updated. Mound's air emissions database needs to be updated with respect to changing operations.

R-17 The Active UST Plan should be updated to include the deep well in Room 117.

R-18 A process for establishing the RBA's has not been documented and/or approved by the cognizant authority as being compliant with the waste moratorium Performance Objective by the delegated authority. Compliance of the establishment of RBA's with the waste moratorium Performance Objective needs to be evaluated.

R-19 Many opportunities exists during the Safe Shutdown process to minimize waste, such as recycling the metal stock in Room 137.

R-20 Housekeeping could be improved throughout Building R. This is more important in the RBA's considering the amount of waste that will be generated from the single-use policy for personal protective clothing.

R-21 CWA pollutants and their continued use should be evaluated and, if appropriate, a substitute chemical used which has no health or environmental hazard. The Environmental Technology and Monitoring Section should be informed of this evaluation.

R-22 Loose and uncontrolled waste in Building R needs to be containerized to demonstrate effective management, control over waste, and proper waste determination. It is difficult to demonstrate compliance with the waste acceptance criteria for disposal when there is uncontrolled waste.

R-23 Investigate the sumps regarding fate of overflow, leak tightness, and design size adequacy per DOE Order 6430.

R-24 Investigate Safe Shutdown procedures to assure proper characterization and handling of glovebox filters and other air-handling filters.

9.25.6.1 Environmental Appraisal Checklist

ENVIRONMENTAL APPRAISAL CHECKLIST

Building Name R

Appraisers: Ronald Paulick
Name Discipline

Philip A Parker
Name Discipline

Name Discipline

Name Discipline

Building Manager: _____

Process Manager: _____

_____

_____

_____

Date: 3-4-96

ENVIRONMENTAL APPRAISAL CHECKLIST

Table of Contents

Checklist	Page
Clean Water Act	1
Clean Air Act	2
Hazardous Materials	4
Safe Drinking Water Act	7
RCRA Hazardous Waste	8
TSCA and NESHAP Requirements for Asbestos	13
TSCA—PCB	14
Low-level and Transuranic Waste	17
Waste Minimization/Pollution Prevention Activities	22

Environmental Appraisal Checklist

Building Name: R

Appraisers: Paulick, Adkins, Parker

Date: 3-4-96

Clean Water Act (CWA) Screening Checklist

Question	Response	Comments
Does the outside drain spouting of the building discharge directly to a storm sewer/sanitary system?	(Y) / N	If the answer to any of these questions is yes, proceed with the following checklist.
Are there sinks, toilets and floor drains in the building?	(Y) / N	
Are chemicals being used in the building?	(Y) / N	
Is there a process which discharges to the storm or sanitary system?	Y / N	

CWA Checklist

Regulatory Guideline	Question	Response	Comments
40 CFR 122 Appendix D Table V	If chemicals are used/stored in the building, are they on the attached list? Are they properly contained?	(Y) / N (Y) / N	Strontium, xylene. cyclohexane, acetonitrile, uranium
	Is the building in operation? What are the processes and where do they discharge to?	Y / N _____ _____	Analytical labs under user agreem.
	Do the floor drains, sinks & toilets appear to be draining properly?	(Y) / N	Floor drain in Rm 35 next to flammable cabinet w/ corrosive agents
OAC 3745-33	Do the floor drains and sinks drain to a sanitary or storm sewer?	(Sanitary) Storm	
	Is there a sump/pit in the building? If so, what does it contain? How often is it pumped out? Does water collect in sump? Does sump have secondary containment?	(Y) / N _____ _____ (Y) / N Y / (N)	4 located in UST alpha waste water sanitary waste water calorimeter, bath (2)
	Are there any manholes, catch basins, drains, or fill pipes in or around the building? If so, are there any unusual appearances, colors, and/or odors? Describe in comment section. Can chemicals flow into the drain?	(Y) / N Y / (N) Y / (N)	Stain in the sink in Rm 180 stain on floor in R-23

* Developing lab in Rm-175 discharges to sanitary and is used by a private company under a user agreement w/ DOE.

9.25-13

9.25-14

Environmental Appraisal Checklist

Building Name: R

Appraisers: Laulick, Adkins, ~~[illegible]~~ Parker

Date: 3-4-96

Clean Air Act (CAA) Screening Checklist

Regulatory Guideline	Question	Response	Comments
	Are there any rooms that have air emissions sources that vent to the outside of the building, e.g., fumehoods, equipment? If so, note the rooms.	(Y) N	
OAC 3745-35	Using the air emissions inventory reference for this building, are there any sources in the building that are not documented?	(Y) / N	
	Is there evidence of fugitive dust emissions inside or outside of the building	Y / (N)	

CAA Checklist

Regulatory Guideline	Question	Response	Comments
	Are there existing air permits or applications applicable to the building?	(Y) / N	
OAC 3745-31,35	If yes, are the terms and conditions of the permit or the information included on the application (see air emissions database) being followed? Note any differences and update the air emissions database.	Y / (N)	Monthly records to begin none seen
OAC 3745-31	Are there any sources that are not included in the air emissions database? If so, note the room, hood number, active or not, POC, and applicable air emission database information on Table B.	(Y) / N	
OAC 3745-31-03	Are there sources which are lab equipment of lab fumeheads used exclusively for chemical or physical analyses and bench scale lab equipment? These sources do not require a permit. However, the air emissions database should be updated.	(Y) / N	R-25, 142, 162
	Has there been any release of air contaminants from this building?	Y / (N)	

Environmental Appraisal Checklist

Building Name: R

Appraisers: Paulick, Adkins, Parker Date: 3-4-96

CAA Checklist

Comments: Note the number of sources/hoods per room, the number that are active, and the POC on the reference document.

TABLE A

Process Source	Room Number	Hood Number	In Database	Active	Chemicals Used	Quantity Used	Quantity to Waste Management	Hours/Yr. Operation	Air Emissions
"Hot" Analytical labs	R-127 ~~R-125~~ R-128 ~~R-126~~ R-~~130~~ R-134		Y / N	Y / N Y N. N	R-128 to be used as staging area for chemicals in safe shutdown				
Analytical labs	R-116 R-120 R-142 R-162	R-171 ~~R-151~~ R-155 R-23	Y / N user agreements	Y / N N					
Develop. & Research. Prod.	R-159B R-166		~~Y~~ / N RP ?	Y / N ?					
Safe Shutdown	R-181 R-137 R-167 R-168 R-169 & 169B	R-165 R-164	Y / N	Y / N					
H.P.	R-171		~~Y~~ / N	~~Y~~ / N					

Source: _____

9.25-15

9.25-16

Environmental Appraisal Checklist

Building Name: R

Appraisers: Paulick, Adkins, Parker Date: 3-4-96

Hazardous Materials (HM) Screening Checklist

Question	Response	Comments
Are any chemicals used or stored in this building, now or in the past?	(Y) / N	If the answer is yes, proceed with the following checklist.

HM Checklist

Regulatory Guideline	Question	Response	Comments
29 CFR 1910.1200(b,f)	All containers of hazardous chemicals shall be labeled as to the identity of the chemical and the appropriate hazard warnings.	Y / (N)	UNID containers/bags of material in several locations R-128, 106, 120, 142, 181
29 CFR 1910.1200(g)	MSDS shall be available to the employees in close proximity to the work area.	(Y) / N	MSDS not complete in R-177
29 CFR 1910.22, 1910.106, 1910.176	All places of employment, passageways, storerooms and service areas shall be kept clean and orderly and in a sanitary manner. Aisles shall be unobstructed. ~~Drums and containers are not leaking and are tightly sealed.~~	Y / (N)	Many areas congested R-106, 128, 114, 137, 167
29 CFR 1910.106	Storage cabinets for flammable materials are constantly kept closed, are fire resistant and are labeled "FLAMMABLE - Keep Fire Away". Containers inside should be labeled and closed. No spills inside cabinet.	(Y) / N	
29 CFR 1910.106(d)(7)	Incompatible chemicals are ~~not~~ stored together.	(Y) / N	R-128, sulfuric acids R-159B, R-177
29 CFR 1910.106(d)(4)	Inside Flammable/combustible storage rooms must meet the following: 4 in. raised sill or trench that drains to a safe area, liquid tight wall/floor joints, self-closing doors, gravity or mechanical exhaust providing 6 room changes/hr., exhaust switch located outside room, at least one 3 ft. aisle; no cracks in secondary containment.	Y / N	N/A

Building Name: L

Appraisers: Pauluch, Adkins, Parker

Date: 3-4-96

HM Checklist

Regulatory Guideline	Question	Response	Comments
29 CFR 1910.106(d)(7)	All flammable/combustible storage locations have at least one 12-B portable fire extinguisher located outside and within 10 ft. of a door opening into any room for storage. No smoking signs are posted.	(Y) / N	Corr'd - fire extinguisher needs recharge.
29 CFR 1910.151	Eyewashes/showers shall be provided within the work area. Ensure unit is operational.	(Y) / N	
CGA P-1 3.3 & 3.3.10	All gas cylinders (full or empty) shall carry a legible label or marking identifying the contents.	Y / (N)	Cylinder bank missing full/empty
CGA P-1 3.5.3	Full and empty containers should be stored separately with the storage layout planned so that containers comprising of old stock can be removed first with a minimum handling of other containers.	(Y) / N	
CGA P-1 3.5.8	All compressed gas containers in service or in storage shall be stored standing upright and the container shall be secured.	(Y) / N	
CGA P-1 4.2.2	Oxygen cylinders shall be separated from flammable gas containers or combustible materials a minimum of 20 ft. or a noncombustible barrier 5 ft. high.	(Y) / N	
29 CFR 1910.104(2)(10)	Oxygen stored as a liquid shall be on a noncombustible surface. Asphalt is considered combustible. Wood and long dry grass shall be cut back 15 ft. from the container.	Y / N	N/A
29 CFR 1910.104	Bulk oxygen storage shall be permanently placarded "OXYGEN - NO SMOKING - NO OPEN FLAMES".	Y / N	N/A
	Is there a sign posted in each work area regarding emergency egress and emergency response action?	(Y) / N	
	Is there an emergency response plan available?	(Y) / N	

9.25-17

9.25-18

Environmental Appraisal Checklist

Building Name: R

Appraisers: Paulick, Adkins, Parker

Date: 3-4-96

HM Checklist

Regulatory Guideline	Question	Response	Comments
	Is there a process area?	Y / N	
	Does it have proper containment?	Y / N	N/A
	Is there a liquid bulk transfer area?	Y / N	
	Is there proper containment?	Y / N	N/A
	Is there an above ground storage tank? If so, complete Table B.	Y / N	— none observed

Above Ground Storage Tanks Inventory

TABLE B—Above Ground Storage Tanks Inventory

Building	Capacity (Gal.)	Contents	Estimated Volume	In Service	Containment	Visual Stains/ Contamination	If Empty, Flushed
				Y / N	Y / N	Y / N	Y / N
				Y / N	Y / N	Y / N	Y / N
				Y / N	Y / N	Y / N	Y / N
				Y / N	Y / N	Y / N	Y / N
				Y / N	Y / N	Y / N	Y / N
				Y / N	Y / N	Y / N	Y / N
				Y / N	Y / N	Y / N	Y / N

Source: _____

Environmental Appraisal Checklist

Building Name: R

Appraisers: Faulick, Adkins, Parker

Date: 3-4-96

Safe Drinking Water Act (SDWA) Screening Checklist

Does this facility have potable water?	(Y) / N	If yes, conduct the following survey.

SDWA Checklist

Regulatory Guideline	Question	Response	Comments
OAC 3745 95-02 (A)	Do actual or potential cross-connections exist between potable (light green) and service water (dark green)?	(Y) / N	
OAC 3745 95-04 (B)(C)	Are backflow prevention devices installed where cross connections (hoses connected to faucets, hot water tank vented directly to a drain) exist?	(Y) / N	
	Are sources of service water (janitorial and laboratory faucets, or outdoor spigots) posted as non-potable water sources?	(Y) / N	Rm 27 lines miss labeled signs missing from sinks in Rms: 116, 166, 180 for service water only
	Does the facility contain any water coolers or fountains ~~that are not lead free?~~ Complete Table C.	(Y) / N	

TABLE C—Water Fountain Survey

Building	Location	Model #	Comments / Date of Analysis for Lead
~~Corr 3 R~~	~~Corr 3~~		
~~Corr 3~~ R	Corr 3	WD701-8-1	ELKAY OK
~~Corr 6~~ R	Corr 6	RSA20	General Electric OK
~~Corr 7~~ R	Corr 7	WL7D	WESTINGHOUSE OK
~~Corr 75~~ R	Corr 75	DP8AH-1	OASIS EPA*
R-	Rm-174	DBA-1RH	OASIS Bottled Water OK
R-	Rm 199B	TI510	SUNROC OK
R-	~~Rm 10~~ Corr 7	DB1-RH1	OASIS Bottled Water OK.

Source:

9.25-19

9.25-20

Environmental Appraisal Checklist

Building Name: R Appraisers: Paulick/Adkins/Parker Date: 3/4/96

RCRA Screening Checklist

Does this facility generate waste or use chemicals?	(Y)/ N	If yes, conduct the following survey.

RCRA Checklist

Regulatory Guideline	Question	Response	Comments
OAC 3745 52-11	Has any material generated been characterized RCRA hazardous? Was charactarization by analysis or by process knowledge? Are lab results or documentation of process knowledge readily available? Note any uncharacterized material in comment section. Is it waste? See Findings, Not known. If yes, proceed with next section.	(Y)/ N analysis / (process) Y /(N) Y / N	ICP wastes, R-23, 142, 177 solvent waste R-166 Chemicals in Safe Shutdown in Rm-147
OAC 3745 52-11	Are any of the materials noted RCRA hazardous waste? If no, note and stop here. If yes, note the location of the management unit, and the method of management, and proceed with the appropriate section below.	Y / N	Not known Safe Shutdown could potentially create some

Building Name: R

Appraisers: Paulick/Adkins/Parker

Date: 3/4/96

RCRA Checklist

Regulatory Guideline	Question	Response	Comments
I. HAZARDOUS WASTE STORED IN CONTAINERS			
	Is there an area in the building that could qualify as a Satellite Accumulation Area? Is it treated as such?	(Y)/ N ~~Y~~/ (N)	K-177 ICP waste
OAC 3475-52-34 (C)	Has any of the RCRA hazardous waste in this building been managed in Satellite Accumulation Areas? If no, proceed to the next section. If yes, answer the following.	(Y)/ N	
	Are the containers marked with the words hazardous waste, or other words denoting the hazard?	(Y)/ N	
	Are the containers in good condition?	(Y)/ N	
	Are the waste compatible with the containers?	(Y)/ N	
	Are containers managing ignitable hazardous waste stored at least 50 feet from the plant site boundary?	(Y)/ N	
	Are containers kept closed and locked except during filling?	Y /(N)	
	Are containers moved within 3 days of being filled?	(Y)/ N	Not known

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9.25-22

Environmental Appraisal Checklist

Building Name: R Appraisers: Paulitk/Parker/Adkins Date: 3/4/96

RCRA Checklist

Regulatory Guideline	Question	Response	Comments
OAC 3745-52-11 (A)	If a Satellite accumulation area has been abandoned and/or if waste left in place, and the containers may be subject to the 90-day-storage exclusion. If this exclusion does not apply, go to the next section. If the containers have been in storage under this exclusion, answer the following:		ICP waste 2 5-gal containers in R-23 ~~AHR~~ 2-5gal containers in R-142 RP 7-gal containers in R-177
	Are the containers in good condition?	(Y) / N	
	Are the waste compatible with the containers?	(Y) / N	
	Are the containers kept closed except during filling?	(Y) / N	
	Are the containers managed in such a way, that they are not ruptured, or leaks caused?	Y / (N)	~~Lea~~ Stain seen in R-23
	Is the area inspected at least once weekly?	Y / (N)	
	Is the inspection recorded? Where is the log? Is it properly completed, dated, and signed?	Y / (N) Y / (N)	No records observed
	Are containers managing ignitable hazardous waste stored at least 50 feet from the facility boundary?	(Y) / N	
	Are incompatible wastes managed in such a way that they will not react with another incompatible waste?	(Y) / N	
OAC 3745-52-34(B)	Has any of the waste (except in Building 23, Building 72 and the Burn Area) been managed in excess of 90-days?	Y / (N)	None found
	If no go to next section.		
	If yes, note.		
	For Building 23, Building 72 & Burn Area use special checklist.		

Building Name: R

Appraisers: Paulick/Adkins/Parker

Date: 3/4/96

RCRA Checklist

Regulatory Guideline	Question	Response	Comments
II. HAZARDOUS WASTE STORED IN TANKS			
OAC 3745-52-32 (B)	Has any chemical waste stored in a tank, piece of process equipment or ancillary equipment been in storage in excess of 90-days?	Y / (N)	None found
	If the answer was no, then proceed with the following:	Y / N	
	Has the tank or piece of equipment had an integrity assessment?	Y / N	
	Is there a sump?	Y / N	
	Is it dry?	Y / N	
	Does the tank or equipment have secondary containment?	Y / N	
	Does the tank or equipment have leak detection device(s)?	Y / N	
	Has spill control prevention been enacted?	Y / N	
	Has any hazardous waste stored in a tank, piece of process equipment or ancillary equipment been in storage in excess of 90-days?	Y / N	
	If the answer was no, then proceed with the following:		
	Has the tank or piece of equipment had an integrity assessment?	Y / N	
	Does the tank or equipment have secondary containment?	Y / N	
	Does the tank or equipment have leak detection device(s)?	Y / N	
	Has spill control prevention been enacted?	Y / N	
	Is there a closure plan?	Y / N	
	If yes, then note.		
OAC 3745-67	Has any of the waste been managed in a surface impoundment? If yes, then note. Go to the next section.	Y / N	N/A

9.25-23

Environmental Appraisal Checklist

Building Name: R Appraisers: Paulick/Adkins/Parker Date: 3/4/96

RCRA Checklist

Regulatory Guideline	Question	Response	Comments
OAC 3745-68	Has any of the waste been managed in a Landfill? If yes, then note. Go to the next section.	Y / N	N/A
OAC 3745-68	Has any of the waste been managed in an Incinerator (other than Burn area units)? If yes, then note. Go to the next section.	Y / N	↓
OAC 3745-68	Has any of the waste been managed in a Thermal treatment Unit (other than Burn area units)? If yes, then note. Go to the next section	Y / N	↓
OAC 3745-69	Has any of the waste been managed in a Miscellaneous Treatment Unit (other than Burn area units)? If yes, then not. Go to the next section.	Y / N	↓
OAC 3745-56	Has any of the waste been managed in a Waste Pile? If yes, then note. Go to the next section.	Y / N	↓

General Comments: In R-175, there is a film developing room that appears to be operating. ~~The~~ According to Building Manager that process is operated by MCK, a site leasee. The leasee apparently has been given free access to DOE ~~fact~~ equipment. does not know whether the process would be considered to be in operation under RCRA.

Environmental Appraisal Checklist

Building Name: R

Appraisers: Paulick/Adkins/Parker

Date: 3/4/96

Asbestos Screening Checklist

Does this facility contain ACBM?	(Y) / N	If yes, conduct the following survey.

Asbestos Checklist

Note: Routinely, the asbestos standard for ACBM in schools has been applied to facilities for purpose of cleanup. In addition to AEHERA, there are additional standards in the NESHAPS that may be of importance.

Regulatory Guideline	Question	Response	Comments
ADAPTED FROM TSCA ACBM IN SCHOOLS:			
	Has this building been characterized either through process knowledge, by analyses, or by inspection to determine if it contains asbestos? If no for this building or area note this conclusion in the comment section.	(Y) / N	
	Is there any evidence of friable asbestos?	Y / (N)	
	Is the asbestos removal properly managed? (See questions listed below)	Y / N N/A	If there is no asbestos removal, do not complete the following section.
NESHAPS FOR ASBESTOS FOR ANY ONGOING ASBESTOS REMOVAL:			
40 CFR 61.156	There are no discharges of visible emissions to the outside air from collection, processing, packaging, transporting, or deposition of ACBM during the removal.	Y / N	
40 CFR 61.152(b) (1)	ACBM is treated with water in accordance with 40 CFR 152(b)?	Y / N	
40 CFR 61.154	Is friable asbestos adequately wetted during stripping? Or, has an adequate ventilation and collection system been installed?	Y / N	
40 CFR 61.152	Is wetting continued until the waste friable asbestos is collected for disposal?	Y / N	

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9.25-26

Environmental Appraisal Checklist

Building Name: R. Appraisers: Paulick/Adkins/Parker Date: 3/4/96

Toxic Substances and Control Act (TSCA) PCB's Screening Checklist

Does this facility potentially contain any PCB's or PCB contaminated equipment?	Y (N)	If yes, are transformers labeled (Blue or Yellow stickers)? If yes, conduct the following survey.

TSCA Checklist

Regulatory Guideline	Question	Response	Comments
40 CFR 761	Has any waste generated in, or from, this building been characterized either through process knowledge or by analyses to determine if it contains PCB's ? If the answer is no, note . If the answer is yes, proceed with next section.	Y / (N)	No PCB's Observed
	Based on an inspection, are any of the materials or equipment potentially PCB contaminated? If no, note and stop here. If yes, note the location of the management unit, and the method of management, and proceed.	(Y) / N	Rm-197 - oil filled apparatus (Trans/CAP) No label. Suspect Should be characterized
40 CFR 761.65 (c) (5)	Are PCB articles or containers stored in this building checked for leaks at least once every 30 days?	Y / N	No PCB's observed
	If yes, are auditable records maintained.	Y / N	
40 CFR.30 (a) (1) (ix)	Are any PCB transformers in use, or stored for possible reuse, that contain PCB's at concentrations of 500 ppm or greater?	Y / N	
	Are they visually inspected quarterly? If yes, are auditable records maintained?	Y / N	

Environmental Appraisal Checklist

Building Name: R

Appraisers: Paulick/Adkins/Parker

Date: 3/4/96

TSCA Checklist

Regulatory Guideline	Question	Response	Comments
40 CFR 761.30 (a) 1,viii	Are all combustible materials (i.e., paints, solvents, plastics, paper, sawn wood, etc.) cleared from areas containing PCB transformers to a distance of five meters?	Y / N	No PCB's Observed
40 CFR 761.65 (b) (8)	Are all PCB articles and containers labeled with the date they were placed in storage?	Y / N	
	Are labeled PCB articles and containers stored so that the labels can be referenced?	Y / N	
40 CFR 761.65 (a)	Are all PCB's and PCB contaminated items at concentrations above 50 PPM, that are stored for disposal, stored no longer than one year from the date they were placed in storage?	Y / N	
40 CFR 761.62 (b) (1) (i)	Do all PCB storage areas have an adequate roof and walls to prevent rainwater from reaching the stored items?	Y / N	
40 CFR 761.62 (b) (1) (iv)	Are storage are floors curbed and constructed of continuous smooth and impervious materials?	Y / N	
40 CFR 761.62 (b) (1) (i)	Are the curbs at least 6 inches high?	Y / N	
40 CFR 761.62 (b) (1) (iii)	No drains are allowed in storage areas. Are there drains in the storage areas?	Y / N	

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9.25-28

Environmental Appraisal Checklist

Building Name: R

Appraisers: Paulick/Adkins/Parker

Date: 3/4/96

TSCA Checklist

Regulatory Guideline	Question	Response	Comments
40 CFR 761.65 (c) (2)	Only non-leaking and undamaged large high voltage PCB's capacitators and PCB-containing electrical equipment are allowed to be stored outside of PCB storage areas, on pallets if stored outside, with containment for 10 percent of the volume of the equipment. Do all PCB's stored in this configuration conform with this requirement?	Y / N	No PCB's Observed
40 CFR 761.45 and .65	Are all PCB storage areas marked with a large PCB mark as described in 40 CFR 761.45 (a)?	Y / N	
40 CFR 761.65 (c) (5)	Have all leaking PCB articles and containers been transferred to non-leaking containers?	Y / N	
40 CFR 761.65 (c) (6)	Do all PCB storage containers for the storage of liquid and non-liquid PCB's comply with DOT shipping container specifications?	Y / N	

GENERAL COMMENTS:

Environmental Appraisal Checklist

Building Name: R Appraisers: Paulick/Adkins/Parker Date: 3/4/96

Low-Level Waste and Transuranic Waste Screening Checklist

Does this facility contain radioactive waste ?	(Y)/ N	If yes, conduct the following survey.

Low-Level Waste and Transuranic Waste Checklist

Regulatory Guideline	Question	Response	Comments
Low-Level Waste			
DOE Order 5820.2A Chapter III	Can any waste generated in, or from, this building be characterized either through process knowledge or by analyses to determine if it is LLW ? If the answer is no, note. If the answer is yes, proceed with next section.	(Y)/ N	R-Building "Hot" side
DOE Order 5820.2A Chapter III.	Are any of the materials noted by inspection LLW? If no, The audit would stop here, because there are no LLW. If yes, note the location of the management unit, and the method of management, and proceed with the section below.	(Y)/ N	~~Scintillation vials & planchets from~~ Various labs have LSA Waste drums in them.
DOE Order 5820.2A Chapter III, 3.a.	Have the storage configurations in use in this area been taken into account for keeping external exposures to the general public below 25 mrem/yr?	Y / N	Not known
	Is the waste stored in a configuration that protects ground-water resources?	(Y)/ N	As well as a visual insp. can tell.
DOE Order 5820.2A Chapter III, 3.b.	Has monitoring been conducted in this area in accordance with DOE Order 5820.2A in order to evaluate the area against the performance standard?	Y / N	Not Known
	Based on field data, does the monitoring conducted in this area conform to the performance standard?	Y / N	Not Known

9.25-29

9.25-30

Environmental Appraisal Checklist

Building Name: R Appraisers: Paulick/Adkins/Parker Date: 3/4/96

Low-Level Waste and Transuranic Waste Checklist

Regulatory Guideline	Question	Response	Comments
DOE Order 5820.2A Chapter III, 3.d.	Based on field data, is the characterization of the materials in this area sufficient to assure proper segregation to assure proper segregation, treatment, storage, and disposal?	Y / N	Drums improperly Characterized or itemized, Waste generator forms ~~Not known~~ incomplete or missing
	Based on field data does the characterization as documented at the time of generation of the waste ensure that the actual physical and chemical characteristics, and major radionuclide content of this material are recorded and known at all stages of the waste management process?	Y / N	Drums in R-106 from Bio-remediation project ~~Not Known~~ RP
	Do characterization data include the following:		DID NOT OBSERVE waste forms - many were incomplete for Drums in labs.
	Physical and chemical characteristics of the waste?	Y / N	
	Volume of the waste (including solidification and absorbent material)?	Y / N	
	Weight of the waste (including solidification and absorbent material)?	Y / N	
	Major radionuclides and their concentrations?	Y / N	
	Packaging date, package weight, external volume?	Y / N	
	How were the concentration of radionuclides determined? Direct methods?	_____	
	How were the concentrations of radionuclides determined? Indirect methods?	_____	
DOE Order 5820.2A Chapter III, 3.h	Is the storage configuration in long term storage sufficient to meet the performance standard?	Y / N	
	Are records maintained at the facility enabling this waste to be traced from its origin?	Y / N	

Building Name: R Appraisers: Paulick/Adkins/Parker Date: 3/4/96

Low-Level Waste and Transuranic Waste Checklist

Regulatory Guideline	Question	Response	Comments
TRU WASTE			
	Can any waste generated in, or from this building be characterized either through process knowledge or by analyses to determine if it is TRU waste? If no, note and stop. If yes, proceed with the next section.	Y / (N)	Not currently Some was generated in the Past and is in storage.
	Are any of the materials noted as being TRU waste during an inspection? If no, note and stop. If the answer is yes, note the location of the management unit, and the method of management and proceed with the appropriate section below.	Y / (N)	
DOE Order 5820.2A, Chapter II, 3.a	Was this material evaluated as soon as possible in the generating process, to determine if it is TRU (>100nCi/g), if it is recoverable, or if it is waste? (Note if the activity level is less than 100nCi/g, the waste is not TRU, and can be managed as LLW.)	Y / N	~~Not known~~ pr 3/18/96
	Did the determination of TRU radionuclide concentration include the mass of the container, including shielding? These should be included in calculating the specific activity of the waste.	Y / N	~~Not known~~ pr 3/18/96

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Environmental Appraisal Checklist

Building Name: R

Appraisers: Paulick/Adkins/Parker

Date: 3/4/96

Low-Level Waste and Transuranic Waste Checklist

Regulatory Guideline	Question	Response	Comments
DOE Order 5820.2A, Chapter II, 3.b	Has the TRU waste been assayed or otherwise evaluated to determine its radioactive content prior to storage?	Y / N	N/A
	Has the TRU waste been characterized or otherwise evaluated to determine if hazardous waste is present?	Y / N	
	Has classified TRU waste been treated to destroy the classified characteristics?	Y / N	
DOE Order 5820.2A, Chapter II 3.d	Has all newly generated TRU waste been packaged in non-combustible packaging that meets DOT requirements?	Y / N	
	Have all Type A TRU waste packages been equipped with a method to prevent pressure buildup?	Y / N	
	Have all TRU packages been marked, labeled and sealed in accordance with 40 CFR 261 Subpart C and 49 CFR 172 Subparts D, E and 49 CFR 173 Subpart I?	Y / N	

Building Name: R

Appraisers: Paulick/Adkins/Parker

Date: 3/4/96

Low-Level Waste and Transuranic Waste Checklist

Regulatory Guideline	Question	Response	Comments
DOE Order 5820.2A, Chapter II 3.e	Has the TRU waste been segregated in manner that will not permit commingling of TRU waste with LLW or high-level waste?	Y / N	N/A
	Has the TRU waste been protected from unauthorized access?	Y / N	
	Has the TRU waste been monitored periodically to ensure that it is not releasing its radioactive and/or hazardous constituents?	Y / N	
	Has this TRU waste storage area been designed, constructed, maintained, and operated to minimize the possibility of fire, explosion, or accidental release of its radioactive and/or hazardous constituents?	Y / N	
	Does the facility have a contingency plan designed to minimize the adverse impacts of fire, explosion, or accidental release of its radioactive and/or hazardous constituents?	Y / N	

GENERAL COMMENTS:

9.25-33

9.25-34

Environmental Appraisal Checklist

Building Name: R Appraisers: Paulick/Adkins/Parker Date: 3/4/96

Waste Minimization/Pollution Prevention Activities Screening Checklist

Does this facility generate waste or use chemicals?	Y / N	If yes, conduct the following survey.

Waste Minimiaztion/Pollution Prevention Activities Checklist

Regulatory Guideline	Question	Response	Comments
	Based on available information and a walk through, are there any apparent opportunities to curtail the consumption of raw materials (including but not limited to paper, chemicals, electricity, and etc.). If yes, list candidate areas in the comment section.	Y / N	
	Are there solvent wastes?	Y / N	N/A
	Is vehicle maintenance performed?	Y / N	
	Are oils used ?	Y / N	
	Are these corrosive wastes?	Y / N	
	Are there sludges?	Y / N	
	Are there halogenated organic (nonsolvent) wastes?	Y / N	
	Are metals recovered from wastewater?	Y / N	
	Is waste sludge generated?	Y / N	
	Are any waste minimization practices used that reduce the generation of sludge?	Y / N	
	Ion exchange process?	Y / N	
	Lead in gasoline lowered to reduce tank sludge toxicity?	Y / N	
	Storage tank agitators installed?	Y / N	
	Corrosive resistant materials used?	Y / N	
	Prevention of crude oil oxidation ?	Y / N	
	Drying?	Y / N	

Building Name: R Appraisers: Paulick/Adkins/Parker Date: 3/4/96

Waste Minimization/Pollution Prevention Activities Checklist

Regulatory Guideline	Question	Response	Comments
HALOGENATED ORGANIC (NONSOLVENT) WASTES			
	Are halogenated organic wastes used as fuel in cement kilns?	Y / N	N/A
	Are baghouse filters used to collect pesticides and pesticide intermediates?	Y / N	
	Are solid wastes generated from the collection of baghouse dust?	Y / N	
	Wet instead of dry grinding used?	Y / N	
	The output spray dried?	Y / N	
	Has baghouse emptying and recycling of baghouse fines been scheduled?	Y / N	
	Have operations been evaluated to improve procedures such as handling, storage and spill prevention for increased efficiency?	Y / N	
METAL WASTES			
	Are any technologies for the recovering of metals from waste rinsewater used?	Y / N	
	Evaporation of waste rinsewater?	Y / N	
	Reverse osmosis?	Y / N	
	Ion exchange?	Y / N	
	Electrolysis?	Y / N	
	Agglomeration?	Y / N	
CORROSIVE WASTES			
	Are acidic or basic cleaning solutions used as treatment for pH adjustment chemicals?	Y / N	

9.25-35

Environmental Appraisal Checklist

Building Name: R Appraisers: Paulick/Adkins/Parker Date: 3/4/96

Waste Minimization/Pollution Prevention Activities Checklist

Regulatory Guideline	Question	Response	Comments
	Are ion exchange resins used to remove heavy metals and cyanides from acid and base solutions?	Y / N	N/A
	Is crystallization used to remove corrosives from solution by cooling?	Y / N	
	Is the process of evaporation of liquid wastes by heating used to leave behind a more concentrated solution?	Y / N	
CYANIDE AND REACTIVE WASTES			
	Has non-cyanide or low concentration of cyanide process replaced zinc cyanide bath ?	Y / N	
	Are any of these processes used to recycle cyanide wastes?	Y / N	
	Refrigeration/crystallization?	Y / N	
	Evaporation?	Y / N	
	Ion exchange?	Y / N	
	Membrane separation which includes reverse osmosis or electrodialysis?	Y / N	
VEHICLE MAINTENANCE			
	How are auto parts cleaned?	Y / N	
	Solvent sink?	Y / N	
	Solvent dunk bucket?	Y / N	
	Solvent dip tank?	Y / N	
	Are parts cleaning solvents used for anything else besides cleaning parts?	Y / N	
	Are spills reduced by locating sinks or dunk buckets near auto service bays?	Y / N	

Environmental Appraisal Checklist

Building Name: R Appraisers: Paulick/Adkins/Parker Date: 3/4/96

Waste Minimization/Pollution Prevention Activities Checklist

Regulatory Guideline	Question	Response	Comments
	Are cleaned parts drained on the sink to minimize solvent spills?	Y / N	N/A
	Are drip tanks used to capture losses?	Y / N	
	Is a solvent sink used for mineral solvents rather than a dunk bucket or dip tank?	Y / N	
	Does a waste hauler collect solvent waste for recycling or treatment?	Y / N	
OILS			
	What kind of oils are used?		
	Hydraulic oil?	Y / N	
	Transformer oil?	Y / N	
	Metal working fluids?	Y / N	
	Spent lubricating oils?	Y / N	
	Can the process be modified or changed to use water-based fluids?	Y / N	
	Are these good housekeeping and operation practices used to minimize oil waste production?		
	Use oils not contaminated with other liquids?	Y / N	
	Oil spills prevented?	Y / N	
	Drip pans installed?	Y / N	
	Oil soaked rags laundered?	Y / N	
	Rags and absorbants used to their limit?	Y / N	

9.25-37

Environmental Appraisal Checklist

Building Name: R

Appraisers: Paulick/Adkins/Parker

Date: 3/4/96

Waste Minimization/Pollution Prevention Activities Checklist

Regulatory Guideline	Question	Response	Comments
	Are these treatment techniques used to promote separation of oil/water wastes?		N/A
	Reclaiming process to remove water and solvents by heat?	Y / N	
	Gravity setting?	Y / N	
	Screening?	Y / N	
	Centrifugation?	Y / N	
	Filtration?	Y / N	
SOLVENT WASTES			
	Has there been an attempt to reduce volume or toxicity by:		
	Eliminating solvents?	Y / N	
	Reducing the use of solvents?	Y / N	
	Reducing the loss of solvents?	Y / N	
	Increasing recyclability?	Y / N	
	Are solvents segregated?	Y / N	
	Are waste solvents free from water and garbage?	Y / N	
	Are recycled solvent containers labeled as such?	Y / N	
	Are containers kept closed?	Y / N	
	Free and sheltered from the elements?	Y / N	
	Are solvent tanks kept as free from contaminations as possible so that the waste can be recycled?	Y / N	
	Is a method used to minimize the use of new materials such as a countercurrent process?	Y / N	

Building Name: R

Appraisers: Paulick/Adkins/Parker

Date: 3/4/96

Waste Minimization/Pollution Prevention Activities Checklist

Regulatory Guideline	Question	Response	Comments
	If there is a recycling program, what technique is used?	Y / N	N/A
	Distillation?	Y / N	
	Solids removal?	Y / N	
	Dispersion breaking?	Y / N	
	Dissolved and emulsified organics recovery?	Y / N	
	Are any of these housekeeping procedures used to minimize the production of solvent wastes?		
	Separators cleaned and checked?	Y / N	
	Parts not allowed to enter the degreaser while wet?	Y / N	
	Sludge from the bottom of the tank not allowed to accumulate?	Y / N	
	Lids kept on tanks?	Y / N	
	Freeboard space on tanks increased?	Y / N	
	Are better operating practices used to reduce waste?	Y / N	
	How long is solvent waste stored and where?	_____	

9.25-39

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9.25.6.2 Building Manager's Questionnaire

Building Manager's Questionnaire

Building Name: R Building Manager: J.L. Allison Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

1. What are the access requirements (training, clearance, etc.)?
   RBldg criticality alarm training GERT for visitor Rad work II. Respirator training
   Clearance level 1 to 3 (visitor with escort)

2. What protective equipment is required to enter the building? NONE, only required for the contamination areas in R "hot" side. (Areas are posted as such.)

3. Are there any restricted areas? (Yes) No
   Where are they? Contamination areas, and areas containing classified material

4. Provide a physical description of the building.

This 55,003-ft^2 building is one of the first structures at the Mound site (1948). Exterior walls are masonry, and the roof is BUM (coal tar). HVAC systems are central steam and chilled water. The building is contaminated with radiological and energetic materials, with ~~"hot"~~ contamination spots existing on the "cold" side of the structure. Asbestos-containing materials are in the building. The structure is single-story with a penthouse level.

Source: Mound Facility Physical Characterization, 12-1-93

5. Provide a drawing of the building.

Attached

6. What is the current building use?

Shut down.

Source: Mound Buildings, 5-9-95

7. What is the history of building use other than that described in #6?

The "cold" side of the building contained the library, offices, a respirator fitting facility, and research and development laboratories. The ~~"hot"~~ radiologically contaminated area side was used for tritium recovery and various analytical support.

Source: Mound Buildings, 5-9-95

9.25-43

Building Manager's Questionnaire

Building Name: R Building Manager: J.L. Allison Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

8. What are ongoing operations or processes? What are the raw materials and waste streams from each process? Who is the best contact for each process?

For Corridor 2 of Building R, see also description for Building SW

Process(es) Housed: Materials analysis, R&D, library, offices, stable isotope separation

How Wastes Are Generated:

ongs to BD-37

Methylene chloride, acetone, and ethyl alcohol are used for ultrasonic cleaning of milliwatt parts. Each bath is used for only 180 parts. Waste solvents are put in cans (each solvent in a separate can) for pickup by Waste Management. The parts are further cleaned with HF and nitric acid. The acids are diluted and flushed down the drain. Development parts are cleaned in the same way.

nder User Agreement

Various analytical labs in Building R produce small amounts of hazardous wastes. There is no steady stream of any particular waste material. In the old wet chemical analysis rooms, metals are analyzed to verify the vendors' certifications. Hydrochloric and nitric acids are used to dissolve the metals. The pH of the acid is adjusted before it is flushed down the drain. (The following metals are not put down the drain: As, Ba, Cd, Cr, Pb, Hg, Se, Ag). Other organic wastes are collected in a 5-gal can which is picked up by Waste Management. Any chemicals put in the can are marked on the label. About 5 gal of waste is generated each year. A large number of bottles of old chemicals are being removed from the lab.

longer in BD-R

Thermal analyses produce no hazardous or radioactive wastes. However, some explosive wastes are generated when small equipment used to handle explosives is wiped clean. Contaminated paper or cloth is put in explosive waste containers.

HP lab now

Mass spec analyses (R-171) are done on samples prepared in Building E. The samples are ~~returned~~ to Building E following the analysis. Oil from pumps in rooms R-171 and R-172 is changed periodically and is checked for radioactive contamination.

Analyses involving plutonium were done in R-172 in the past, but there are no operations in that room now. The room is used as a staging area for LSA waste.

In the isotope separation operations a number of different solvents are used. Solvents used in preparation of resins (Room R-169 A & B) for isotope separation are collected in a single waste storage can. All waste solvents are listed on a label on the can. The isotope separation is performed (Room R-159-B) using liquid chromatography. The liquid used in the current separation process is a mixture of methanol and chloroform which is put in a labeled waste can in R-159. Samples of the separated isotopes are analyzed in the thermal ionization mass spectrometer (Room R-170). Solvents are rarely used in this room. Equipment is generally cleaned in detergent and water.

9.25-44

Building Manager's Questionnaire

Building Name: R Building Manager: J.L. Allison Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

If methanol is used for cleaning, any waste solvent is put in a labeled waste can. Wastes from all of these operations are picked up by Waste Management upon request. A(n) historical inventory of chemical found in various labs without labels are being down for ~~the~~ safe shut down. There are also "daughter" products of material which was worked with on the R Bldg "hot" side.

Contact:

Phone #:

Source: Characterization of Mound's Hazardous, Radioactive, and Mixed Wastes, (8-15-90).

9.25-45

Building Manager's Questionnaire

Building Name: R Building Manager: J.L. Allison Phone: [illegible] Date: 12-07-95
Alternate: _____ Phone: _____

9. In the last six months, have any modifications been made to the building or to processes in the building? (Yes) No

10. Does the building have air emission sources? Yes

Process Source	Room Number	Hood Number	Active	Chemicals Used	Quantity Used	Quantity to Waste Management	Lbs./Yr. Operation	Air Emissions
Analytical Labs	025	R0250002	Y	nitric acid sulfuric acid hydrochloric acid hydrofluoric acid hydrogen peroxide	0.0013 0.0001 0.0003 0.0001 0.0001		1.3 0.1 0.3 0.1 0.1	
Analytical Labs	025	R0250004	Y	nitric acid sulfuric acid	0.0036 0.0012		1.08 0.36	
Analytical Labs	033	R0330001	Y	acetone acetoni-trile methanol	0.008 0.0008 0.0008		0.8 0.008 0.008	
Labs & tritium processes	R105	R1050001	Y	ethanol	0.001		0.06	
Labs & tritium Processes	R106	R1060001	Y	isopropanol	0.273		0.819	
Labs & tritium processes	R108	R1080001	Y	window cleaner	0.083		3.984	
R&D	022	R0220001	Y	acetone	0.005		0.18	
Analytical Labs	021	R0210001	Y	nitric acid	0.0001		0.0144	

Source: R-167 — Y — chemicals still in room
R-168 — N
R-169 — N
Safe Shut. R-134 — N

Analytical Labs (for) R-130, R-128, R-127 — To be used as safe shutdown lab for chemicals

Analytical R-116 — N
R-120 — N
~~R-121~~

Tritium processes R-110 — Y vac pump hood.

Safe Shut. R-114 — N

IC Exhaust R-142 — User agreement

Analytical R-142 — user
R-177 — N
R-181 — N

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HFC Develop. R-171 — Y
R-159, R-166 — ?

Building Manager's Questionnaire

Building Name: R Building Manager: J.L. Allison Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

11. Describe air pollution control equipment used to reduce emissions for each source. None Listed

Process Source	Emissions	Control Equipment	Functioning
			Y / N
			Y / N
			Y / N
			Y / N
			Y / N

Source: Air Permits 2/4/95

12. For existing permits are emissions monitored? At what frequency? Where are the records maintained? None Listed

Process Source	Permit	Log	Permit Conditions & Frequency of Monitoring
		Y / N	
		Y / N	
		Y / N	
		Y / N	
		Y / N	

Source: Air Permits 2/4/95

13. Does the building have domestic water service? Yes No
Is there bottled water? Yes No

14. Does the building discharge to the storm sewer? Yes No
Where? Goes to a retention basin were water evaporates or is sent to Miami River.

15. Does the building discharge to the sanitary sewer? Yes No
Where? SD Bldg

16. Has an asbestos survey been conducted? Yes
What are the results? Yes

Source: Technical Manual MD-10391, Issue 3 Asbestos Program Manual 9/6/95

9.25-47

Building Manager's Questionnaire

Building Name: R Building Manager: J.L. Allison Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

17. Does the building contain transformers or capacitors? NO

Source: PCB ANNUAL DOCUMENT LOG

18. Has the building been identified as containing PCBs? NO

Source: PCB ANNUAL DOCUMENT LOG

19. What chemicals are used or stored inside or outside of the building? Include compressed gasses not in large tanks.

Chemical Name	State	Amount(MAX)
Attached		

Source: Chemical Inventory 1994

9.25-48

Form #22 for page 6 of 11

MOUND

INTEROFFICE CORRESPONDENCE

DATE: June 1, 1995

FROM: Matthew W. Uelen, Industrial Hygiene

SUBJECT: Approved Decon Chemicals Janitorial

TO: Robert Bernheisel

Industrial Hygiene has reviewed all present Material Safety Data Sheets (MSDSs) associated with Mound decontamination chemicals and finds them acceptable for use as employee information. Please insure that all chemicals are used as intended by the manufacturer. Also, please ensure that the your employees have been trained (documented) on how to use these products and that they understand the information within the MSDSs. The following chemicals were reviewed:

BP95 Glybet Disinfectant/Deodorant 1/94
Winda Shine 9/24/93
DMQ Damp Mop Neutral Disinfectant Cleaner 12/16/92
Formula 473 11/93
Formula 484 7/90
Odor-Bane 12/16/94
Conquest 5/23/91
DC-13 7/13/93
Scouring Powder-Glass Cleaning 12/11/90
Burs (TM) Aluminum Jelly (R) Corrosion Remover 1/3/95
NJ1 Naval Jelly Rust Dissolver 1/3/95
Sassy Citrus #09305 10/10/94
Big D Organic Gel 6/28/94
Big D Organic Gel, (Sunburst) 6/28/94
ABC Non-Acid Disinfectant Bathroom Cleaner 2/10/94
MSA Fogpruf Lens Solution 9/91
Sure-Bet 1/91
Li'l Brother Sam 10/93
Scrub Ender 12/90
Rinse Free Strip 2/10/94
Burn Out Spray Floor Cleaner 2/29/88
Above Floor Finish 5/93
MSA P/N 5607 Ventilation Smoke Tubes & Assembly 7/92
RTV102 Silicone Rubber Mix 4/21/95

Florco 1/195
WD-40 (Aerosol) 10/93
WD-40 (Bulk Liquid) 8/92
Grease B Gone 2/93
Ultima Gold 10/94
One-Step 1/90
SBS-61 Lotion Soap 10/1/90
Kindest Kare 7/24/87
Lava Toilet Soap 8/93

9.25-49

P.O. Box 3000 Miamisburg, Ohio 45343-3000 (513) 865-4020

R-Bldg.

CHEMICAL INVENTORY BUILDING REPORT
BY BARCODE

BARCODE	DESCRIPTION	MANU FACTURER	SOLID QUANTITY (POUNDS)	LIQUID QUANTITY (GALLONS)	GAS QUANTITY (CYLNDERS)	MISC. QUANTITY	UNK	ROOM	DATE ENTERED	DATE VERIFIED	DATE DISPOSED
** BUILDING: R											
RM001721	OFFICE N/C		0.000	0.000	0.000	0.000			08/01/94	/ /	/ /
RM001722	OFFICE N/C		0.000	0.000	0.000	0.000			08/01/94	/ /	/ /
RM003069	GEN	AIR PRODUCTS	0.000	0.000	1.000	0.000			06/05/95	/ /	/ /
RM003070	OXYGEN	AIR PRODUCTS	0.000	0.000	1.000	0.000			06/05/95	/ /	/ /
RM003071	OXYGEN	AIR PRODUCTS	0.000	0.000	1.000	0.000			06/05/95	/ /	/ /
RM003072	OXYGEN	AIR PRODUCTS	0.000	0.000	1.000	0.000			06/05/95	/ /	/ /
RM003073	ACETYLENE	AIR PRODUCTS	0.000	0.000	1.000	0.000			06/05/95	/ /	/ /
RM003074	ACETYLENE	AIR PRODUCTS	0.000	0.000	1.000	0.000			06/05/95	/ /	/ /
RM003075	ACETYLENE	AIR PRODUCTS	0.000	0.000	1.000	0.000			06/05/95	/ /	/ /
RM003076	ACETYLENE	AIR PRODUCTS	0.000	0.000	1.000	0.000			06/05/95	/ /	/ /
RM002192	MENS ROOM		0.000	0.000	0.000	0.000		102	08/01/94	/ /	/ /
RM003007	NO CHEMICALS FOUND		0.000	0.000	0.000	0.000		103	08/01/94	/ /	/ /
CI950695	Ultima Gold	Packard	0.000	1.320	0.000	0.000		103	10/26/95	/ /	11/15/95
RM002992			0.000	0.000	0.000	0.000		104	08/01/94	/ /	/ /
CI13243	NABC DISINFECTANT	SPARTAN	0.000	0.250	0.000	0.000		104	08/01/94	/ /	/ /
CI13244	AJAX	COLGATE PALMOLIVE	0.875	0.000	0.000	0.000		104	08/01/94	/ /	/ /
CI13245	ALLUMINUM JELLY	DURO	0.000	0.264	0.000	0.000		104	08/01/94	/ /	/ /
CI13246	NAVAL JELLY	DURO	0.000	0.264	0.000	0.000		104	08/01/94	/ /	/ /
CI13247	BOWL CLEANER	STATE	0.000	0.264	0.000	0.000		104	08/01/94	/ /	/ /
CI13248	GREASE B- GONE	STATE	0.000	1.000	0.000	0.000		104	08/01/94	/ /	/ /
CI13249	SEALER FLOOR	STATE	0.000	1.000	0.000	0.000		104	08/01/94	/ /	/ /
CI13250	WINDOW SHINE	VALLEY	0.000	1.000	0.000	0.000		104	08/01/94	/ /	/ /
CI13251	ZIP	MASURY COLUMBIA	0.000	1.000	0.000	0.000		104	08/01/94	/ /	/ /
CI13252	FLOOR FINISH	BUTCHER	0.000	1.000	0.000	0.000		104	08/01/94	/ /	/ /
CI13253	CONQUEST	CHARDON	0.000	1.000	0.000	0.000		104	08/01/94	/ /	/ /
CI13254	ODOR BANE	CERTIFIED	0.000	1.000	0.000	0.000		104	08/01/94	/ /	/ /
CI13255	MAJOR MAL	BUTCHERS	0.000	1.000	0.000	0.000		104	08/01/94	/ /	/ /
CI13256	DISINFECTANT	SPARTAN	0.000	1.000	0.000	0.000		104	08/01/94	/ /	/ /
CI13257	CLEANING COMPOUND DC13	SPARTAN	0.000	1.000	0.000	0.000		104	08/01/94	/ /	/ /
CI13258	LITHIUM URANIUM FLORIDE	MD	0.000	0.000	0.000	0.000	X	105	08/01/94	/ /	/ /
CI13259	DETRIATED POLADIUM	MD	0.000	0.000	0.000	0.000	X	105	08/01/94	/ /	/ /
CI13260	FREON		0.000	0.000	1.000	0.000		105	08/01/94	/ /	/ /
CI13261	VACUUM PUMP OIL		0.000	0.000	0.000	0.000	X	105	08/01/94	/ /	/ /
CI13262	PALLADIUM	MD	0.250	0.000	0.000	0.000		105	08/01/94	/ /	/ /
CI13263	PALLADIUM	MD	0.250	0.000	0.000	0.000		105	08/01/94	/ /	/ /
CI13225	SCINT VIALS	REF STDS MOUND	0.000	0.000	0.000	0.000	X	105	08/01/94	/ /	/ /
CI13226	ULTIMA GOLD	PACKARD	0.000	1.000	0.000	0.000		105	08/01/94	/ /	/ /
CI13227	WD-40	WD-40	0.000	0.000	1.000	0.000		105	08/01/94	/ /	/ /
CI13228	SHINUP	JOHNSON AND JOHNSON	0.000	0.117	0.000	0.000		105	08/01/94	/ /	/ /
CI13229	ULTRAJET	CHEMTRONICS	0.000	0.094	0.000	0.000		105	08/01/94	/ /	/ /
CI13230	ULTRAJET	CHEMTRONICS	0.000	0.094	0.000	0.000		105	08/01/94	/ /	/ /
CI13231	P-10 GAS		0.000	0.000	1.000	0.000		105	08/01/94	/ /	/ /
CI13232	SCINT VIALS		0.000	0.000	0.000	0.000		105	08/01/94	/ /	/ /
CI13265	SILICON POWDER	MBS STD.	0.062	0.000	0.000	0.000		105	08/01/94	/ /	/ /
RM002991			0.000	0.000	0.000	0.000		105B	08/01/94	/ /	/ /
CI13238	LIQUID NITROGEN		0.000	0.000	1.000	0.000		105B	08/01/94	/ /	/ /

CHEMICAL INVENTORY BUILDING REPORT
BY BARCODE

BARCODE	DESCRIPTION	MANU FACTURER	SOLID QUANTITY (POUNDS)	LIQUID QUANTITY (GALLONS)	GAS QUANTITY (CYLNDERS)	MISC. QUANTITY	UNK	ROOM	DATE ENTERED	DATE VERIFIED	DATE DISPOSED
CI13239	NITRIC ACID		0.000	0.000	0.000	0.000		105B	08/01/94	/ /	/ /
CI13240	WINDOW SHINE	VALLEY	0.000	0.000	0.000	0.000	X	105B	08/01/94	/ /	/ /
CI13241	DESENEX	FISONS	0.094	0.000	0.000	0.000		105B	08/01/94	/ /	/ /
CI13242	GAMMA STDS.	MOUND	0.000	0.000	0.000	0.000	X	105B	08/01/94	/ /	/ /
RM002990			0.000	0.000	0.000	0.000		105C	08/01/94	/ /	/ /
CI13233	SCINT VIALS	MOUND	0.000	0.000	0.000	0.000	X	105C	08/01/94	/ /	/ /
CI13234	WINDOW SHINE	VALLEY	0.000	0.000	0.000	0.000	X	105C	08/01/94	/ /	/ /
CI13235	P-10 GAS		0.000	0.000	1.000	0.000		105C	08/01/94	/ /	/ /
CI13236	REFRIGERATOR (FREON)		0.000	0.000	1.000	0.000		105C	08/01/94	/ /	/ /
CI13237	BLUE STICK	FABER CASTEL	0.046	0.000	0.000	0.000		105C	08/01/94	/ /	/ /
RM003010	DOOR LOCKED		0.000	0.000	0.000	0.000		106 B	08/01/94	/ /	/ /
CI 05283	2-ETHYLTOLUENE		0.000	0.005	0.000	0.000		112	05/17/95	/ /	/ /
CI 05284	3-ETHYLTOLUENE		0.000	0.005	0.000	0.000		112	05/17/95	/ /	/ /
WM006976	OXYGEN	AIR PRODUCTS	0.000	0.000	1.000	0.000		112	06/06/95	/ /	/ /
WM006975	OXYGEN	AIR PRODUCTS	0.000	0.000	1.000	0.000		112	06/06/95	/ /	/ /
WM006974	OXYGEN	AIR PRODUCTS	0.000	0.000	1.000	0.000		112	06/06/95	/ /	/ /
WM006973	OXYGEN	AIR PRODUCTS	0.000	0.000	1.000	0.000		112	06/06/95	/ /	/ /
WM006970	ALCOHOL, 200 PROOF	MCCORMIC	0.000	1.000	0.000	0.000		112	06/06/95	/ /	/ /
WM006969	ALCOHOL, 200 PROOF	MCCORMIC	0.000	1.000	0.000	0.000		112	06/06/95	/ /	/ /
WM006968	ALCOHOL, 200 PROOF	MCCORMIC	0.000	1.000	0.000	0.000		112	06/06/95	/ /	/ /
WM006967	ALCOHOL, 200 PROOF	MCCORMIC	0.000	1.000	0.000	0.000		112	06/06/95	/ /	/ /
[illegible]03004			0.000	0.000	0.000	0.000		113	08/01/94	/ /	/ /
[illegible]62	LIQUID BORATE NITRITE CORROSION INHIBITOR	DEARBORN AQUA-SERV	0.000	6.336	0.000	0.000		113	08/01/94	/ /	/ /
CI08463	LIQUID BORATE NITRITE CORROSION INHIBITOR	DEARBORN AQUA-SERV	0.000	6.336	0.000	0.000		113	08/01/94	/ /	/ /
CI08464	LIQUID NITROGEN		0.000	0.000	1.000	0.000		113	08/01/94	/ /	/ /
CI08465	VACUUM PUMP OIL		0.000	0.000	0.000	0.000	X	113	08/01/94	/ /	/ /
CI08466	LIFT-AWAY	RESEARCH PRODUCTS INTERNATIONAL	0.000	0.264	0.000	0.000		113	08/01/94	/ /	/ /
CI08467	LIFT-AWAY	RESEARCH PRODUCTS INTERNATIONAL	0.000	0.264	0.000	0.000		113	08/01/94	/ /	/ /
CI08468	LIFT-AWAY	RESEARCH PRODUCTS INTERNATIONAL	0.000	0.264	0.000	0.000		113	08/01/94	/ /	/ /
CI08469	LIFT-AWAY	RESEARCH PRODUCTS INTERNATIONAL	0.000	0.264	0.000	0.000		113	08/01/94	/ /	/ /
CI08470	LIFT-AWAY	RESEARCH PRODUCTS INTERNATIONAL	0.000	0.264	0.000	0.000		113	08/01/94	/ /	/ /
CI08471	SPRAY PAINT	KRYLON BORDON	0.000	0.094	0.000	0.000		113	08/01/94	/ /	/ /
CI08472	3 IN 1 HOUSEHOLD OIL	KRYLON BORDON	0.000	0.023	0.000	0.000		113	08/01/94	/ /	/ /
[illegible]473	HIGH VAC GREASE	DOW CORNING	0.125	0.000	0.000	0.000		113	08/01/94	/ /	/ /
[illegible]74	HIGH VAC GREASE	DOW CORNING	0.125	0.000	0.000	0.000		113	08/01/94	/ /	/ /

CHEMICAL INVENTORY BUILDING REPORT
BY BARCODE

BARCODE	DESCRIPTION	MANU FACTURER	SOLID QUANTITY (POUNDS)	LIQUID QUANTITY (GALLONS)	GAS QUANTITY (CYLNDERS)	MISC. QUANTITY	UNK	ROOM	DATE ENTERED	DATE VERIFIED	DATE DISPOSED
CI08475	DETERGENT	ALCONOS NC.	3.000	0.000	0.000	0.000		113	08/01/94	/ /	/ /
CI08476	VAC GREASE	PRODUCTS INCOP	0.250	0.000	0.000	0.000		113	08/01/94	/ /	/ /
CI08477	WD40	WD-40 CO	0.688	0.000	0.000	0.000		113	08/01/94	/ /	/ /
CI08478	RUBBER CEMENT	CARTERS	0.250	0.000	0.000	0.000		113	08/01/94	/ /	/ /
CI08479	NITROGEN LINE		0.000	0.000	1.000	0.000		113	08/01/94	/ /	/ /
CI08480	GROUP UNKNOWN 3 GAS CYLINDERS IN FUME HOOD	UNK	0.000	0.000	1.000	0.000	X	113	08/01/94	/ /	/ /
CI08481	EPOXY GLUE HARDENER	DEUCOM	0.125	0.000	0.000	0.000		113	08/01/94	/ /	/ /
CI08482	EPOXY GLUE	DEVCON	0.125	0.000	0.000	0.000		113	08/01/94	/ /	/ /
CI08483	UNKNOWN PURPLE LIQUID	UNK	0.000	0.007	0.000	0.000		113	08/01/94	/ /	/ /
CI08484	UNKNOWN PURPLE LIQUID	UNK	0.000	0.007	0.000	0.000		113	08/01/94	/ /	/ /
CI08434	GROUP LEAD ACID BATTERIES		0.000	0.000	0.000	0.000	X	114	08/01/94	/ /	/ /
CI08435	WINDOW SHINE	VALLEY JANITORIAL SUPPLY CO.	0.000	1.000	0.000	0.000		114	08/01/94	/ /	/ /
CI08436	CLEANER	GEERFRES	0.000	0.264	0.000	0.000		114	08/01/94	/ /	/ /
CI08437	METAL POLISH	BOYLE-MID	0.000	0.264	0.000	0.000		114	08/01/94	/ /	/ /
CI08438	LYSOL	LEHN & FINK PRODUCTS	0.000	0.109	0.000	0.000		114	08/01/94	/ /	/ /
CI08439	MAINTENANCE FLUID	PRODUCT RESEARCH & DEVELOPMEN T	0.000	0.125	0.000	0.000		114	08/01/94	/ /	/ /
CI08440	FILTER COAT	PRODUCT RESEARCH & DEVELOPMEN T	0.000	0.125	0.000	0.000		114	08/01/94	/ /	/ /
CI08441	VACUUM PUMP OIL		0.000	0.000	0.000	0.000	X	114	08/01/94	/ /	/ /
CI08442	LIQUID NITROGEN		0.000	0.000	1.000	0.000		114	08/01/94	/ /	/ /
CI08445	GROUP NITROGEN CYLINERS		0.000	0.000	1.000	0.000		114	08/01/94	/ /	/ /
CI08446	DEIONIZER DF-500	CRYSTAL LAB	0.004	0.000	0.000	0.000		114	08/01/94	/ /	/ /
CI08447	VACUUM GREASE	DOW CORNING	0.331	0.000	0.000	0.000		114	08/01/94	/ /	/ /
CI08448	SEALANT	LOCTITE	0.000	0.008	0.000	0.000		114	08/01/94	/ /	/ /
CI08449	RTV CAULKING	GE	0.000	0.000	0.000	0.000	X	114	08/01/94	/ /	/ /
CI08450	GRID CEMENT	L.E. CAULK CO.	0.000	0.005	0.000	0.000		114	08/01/94	/ /	/ /
CI08451	EPOXY GLUE	HARDMAN	0.000	0.000	0.000	0.000	X	114	08/01/94	/ /	/ /
CI08452	UNKNOWN CLEAR LIQUID	UNK	0.000	0.026	0.000	0.000		114	08/01/94	/ /	/ /
CI08453	ALUMINI POLISH	DARS MET-ALL INDUSTRIES INCORP.	0.000	0.020	0.000	0.000		114	08/01/94	/ /	/ /
CI08454	HELIUM STANDARD LEAK DETECTOR	VEECO	0.000	0.000	1.000	0.000	X	114	08/01/94	/ /	/ /
CI08455	HELIUM STANDARD LEAK DETECTOR	VEECO	0.000	0.000	1.000	0.000	X	114	08/01/94	/ /	/ /
CI08456	PIPE SEALANT	LOCTITE	0.000	0.016	0.000	0.000		114	08/01/94	/ /	/ /
CI08457	ISOPROPYL ALCOHOL	MOUND SQUIRT BOTTLE	0.000	0.066	0.000	0.000		114	08/01/94	/ /	/ /
CI08458	CLEANING FLUID	LEROY	0.000	0.016	0.000	0.000		114	08/01/94	/ /	/ /
CI08459	CLEANING FLUID	LEROY	0.000	0.016	0.000	0.000		114	08/01/94	/ /	/ /

CHEMICAL INVENTORY BUILDING REPORT
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CI08460	CUTTING COMPOUND	SULFLO	0.000	0.125	0.000	0.000		114	08/01/94	/ /	/ /
CI08461	U.H.U. GLUE STICK	FABER-CASTELL	0.084	0.000	0.000	0.000		114	08/01/94	/ /	/ /
CI950741	Acetone	Fisher	0.000	1.056	0.000	0.000		116	10/26/95	/ /	/ /
CI950742	Acetone	Fisher	0.000	1.056	0.000	0.000		116	10/26/95	/ /	/ /
CI950743	Acetone	Fisher	0.000	1.056	0.000	0.000		116	10/26/95	/ /	/ /
CI950744	Acetone	Fisher	0.000	1.056	0.000	0.000		116	10/26/95	/ /	/ /
CI15552	FLUX	KESTER	0.000	0.264	0.000	0.000		123	05/02/95	/ /	/ /
CI15583	828 EPON RESIN	MILLER STEPHENSON	0.000	0.000	0.000	0.000	X	123	05/03/95	/ /	06/22/95
CI500073	ZINC GRANULAR 30 MESH	BELMONT METALS, INC.	50.000	0.000	0.000	0.000		128	08/16/95	/ /	/ /
CI500074	ZINC GRANULAR MESH 30	BELMONT METALS	50.000	0.000	0.000	0.000		128	08/16/95	/ /	/ /
CI500075	ZINC GRANULAR 30 MESH	BELMONT	50.000	0.000	0.000	0.000		128	08/16/95	/ /	/ /
CI500076	ZINC GRANULAR 30 MESH	BELMONT	50.000	0.000	0.000	0.000		128	08/16/95	/ /	/ /
CI500077	ZINC GRANULAR 30 MESH	BELMONT	50.000	0.000	0.000	0.000		128	08/16/95	/ /	/ /
CI500078	ZINC GRANULAR 30 MESH	BELMONT	50.000	0.000	0.000	0.000		128	08/16/95	/ /	/ /
CI500079	ZINC GRANULAR 30 MESH	BELMONT	50.000	0.000	0.000	0.000		128	08/13/95	/ /	/ /
CI13266	REFRIGERATOR FREON.		0.000	0.000	1.000	0.000		129	08/01/94	/ /	/ /
[illegible]267	BIOREACTOR	MD	0.000	0.132	0.000	0.000		129	08/01/94	/ /	/ /
[illegible]68	UNK	UNK	0.000	0.008	0.000	0.000		129	08/01/94	/ /	/ /
CI[illegible]69	SOLUENE 100	PACKARD	0.000	0.026	0.000	0.000		129	08/01/94	/ /	/ /
CI13270	MINERAL SALTS WITH 100 PPM TRITON	MD	0.000	0.132	0.000	0.000		129	08/01/94	/ /	/ /
CI13271	SCINTILATION COCKTAIL SOLUTION	UNK	0.000	0.132	0.000	0.000		129	08/01/94	/ /	/ /
CI13272	SCINTILATION COCKTAIL SOLUTION	UNK	0.000	0.132	0.000	0.000		129	08/01/94	/ /	/ /
CI13273	UNK	UNK	0.000	0.500	0.000	0.000		129	08/01/94	/ /	/ /
CI13274	SCINTILATION COCKTAIL SOLUTION	UNK	0.000	0.132	0.000	0.000		129	08/01/94	/ /	/ /
CI13275	MARKER BOARD CLEANER	QUARTET	0.000	0.125	0.000	0.000		129	08/01/94	/ /	/ /
RM002995	NO CHEMICALS		0.000	0.000	0.000	0.000		129A	08/01/94	/ /	/ /
RM003009	'NO CHEMICAL FOUND, DECON IS WORKING ON ROOM'		0.000	0.000	0.000	0.000		140	08/01/94	/ /	/ /
CI08495	FOGPRUF	MINE SAFETY APPLIANCE CO.	0.000	0.000	0.000	0.000	X	140AL	08/01/94	/ /	/ /
RM002189	NO CHEMICALS		0.000	0.000	0.000	0.000		143	08/01/94	/ /	/ /
RM002188	NO CHEMICALS		0.000	0.000	0.000	0.000		143A	08/01/94	/ /	/ /
WM005484	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		145	06/06/95	/ /	05/15/95
CI00473	SODIUM CARBONATE	UNK	0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
RM001725			0.000	0.000	0.000	0.000		147	08/01/94	/ /	/ /
CI00474	POTASSIUM CHLORATE		0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI00475	TIN		0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI00476	ZINC		0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI00477	POTASSIUM SULFATE		0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI00478	INDIUM		0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI00479	TIN		0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
[illegible]80	POTASSIUM SULFATE		0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
[illegible]1	POTASSIUM CHROMATE		0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI[illegible]82	LEAD		0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI00483	TIN		0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /

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CI00484	HEAT GINX		0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI00485	HEAT GINX		0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI00486	HEAT GINX		0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI00487	TIN	UNK	0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI00488	POTASSIUM CHROMATE		0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI00489	POTASSIUM SULFATE		0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI00490	FLUORESCENT PIGMENT		0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI00491	EPOXY SUPER GLUE	2 TON	0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI00492	HARDENER	2 TON	0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI00493	MOLY SULFIDE BLUE	FEL-PRO	0.062	0.000	0.000	0.000		147	08/01/94	/ /	/ /
CI00494	POTASSIUM CHROMATE	UNK	0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI00495	POTASSIUM PERCHLORATE	UNK	0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI00496	BARIUM CARBONATE		0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI00497	QUARTZ		0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI00498	UNK	UNK	0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI00499	QUARTZ	UNK	0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI00500	QUARTZ	UNK	0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI03229	POTASSIUM PERCHLORATE	PAIR	0.188	0.000	0.000	0.000		147	08/01/94	/ /	/ /
CI03230	STRONTIUM CARBONATE	UNK	0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI03231	POTASSIUM NITRATE	UNK	0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI03232	POTASSIUM NITRATE	UNK	0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI03233	POTASSIUM PERCHLORATE	UNK	0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI03234	POTASSIUM PERCHLORATE	UNK	0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI03235	POTASSIUM SULFATE	UNK	0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI03236	SILVER SULFATE	UNK	0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI03237	INDIUM	UNK	0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI03238	POTASSIUM CHLORATE	UNK	0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI03239	QUARTZ	UNK	0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI03240	TIN	UNK	0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI03241	SILVER SULFATE	UNK	0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI03242	POTASSIUM CHROMATE	UNK	0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI03243	POTASSIUM CHROMATE	UNK	0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI03244	STRONTIUM	UNK	0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI03245	ALUMINUM OXIDE	UNK	0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI03246	SILVER SULFATE	UNK	0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI03247	INDIUM	UNK	0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI03248	INDIUM	UNK	0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI03249	INDIUM	UNK	0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI03250	DIPHENYL ETHER	UNK	0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI03251	CALCIUM OXAOATE	UNK	0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI03252	AMMONNIA BI-CARBONATE	UNK	0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI03253	PERMANARM3	UNK	0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI03254	DISSCANT UNKNOWN CHEMICAL	UNK	0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI03255	DISSCANT UNKNOWN CHEMICAL	UNK	0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI03256	DISSCANT UNKNOWN CHEMICAL	UNK	0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI03257	LINT AND DUST REMOVER	OMIT	0.000	0.062	0.000	0.000		147	08/01/94	/ /	/ /
CI03258	DUCT SEAL	MASHUA	5.000	0.000	0.000	0.000		147	08/01/94	/ /	/ /
CI03259	GASOLIA SEALANT	GASOLIA	0.062	0.000	0.000	0.000		147	08/01/94	/ /	/ /
CI03260	OIL	LO-17-OIL	0.000	0.023	0.000	0.000		147	08/01/94	/ /	/ /
CI03261	HYDRAULIC FLUID	BORDINE ELECTRIC FRID S. CARVER	0.000	0.125	0.000	0.000		147	08/01/94	/ /	/ /

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CI03262	INDIUM	UNK	0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI03263	POTASSIUM SULFATE	UNK	0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI03264	NICKEL POWDER	ALFA VENTIUM	0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI03265	ZINC	UNK	0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI03266	INDIUM METAL	UNK	0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI03267	LEAD	UNK	0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI03268	ALUMINUM OXIDE	UNK	0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI03269	INDIUM METAL	UNK	0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI03270	FLY ASH	QARPACK	0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI03306	PUMP OIL	DUO SEAL	0.000	1.000	0.000	0.000		149	08/01/94	/ /	/ /
CI03307	PUMP OIL	DUO SEAL	0.000	1.000	0.000	0.000		149	08/01/94	/ /	/ /
CI03308	PUMP OIL	DUO SEAL	0.000	1.000	0.000	0.000		149	08/01/94	/ /	/ /
CI03309	POTASSIUM IODIDE	FREY SCIENTIFIC	1.101	0.000	0.000	0.000		149	08/01/94	/ /	/ /
CI03310	SODIUM ACETATE	UNK	0.000	0.000	0.000	0.000	X	149	08/01/94	/ /	/ /
RM001737			0.000	0.000	0.000	0.000		149	08/01/94	/ /	/ /
CI03311	VINEGAR	HEINZ	0.000	0.990	0.000	0.000		149	08/01/94	/ /	/ /
CI03312	PHENOLPHTHALEIN	UNK	0.000	0.000	0.000	0.000	X	149	08/01/94	/ /	/ /
CI03313	PHENOLPHTHALEIN	UNK	0.000	0.000	0.000	0.000	X	149	08/01/94	/ /	/ /
CI03314	LIMINOL SOLN A	UNK	0.000	0.000	0.000	0.000	X	149	08/01/94	/ /	/ /
CI03315	SULFURIC ACID	UNK	0.000	0.000	0.000	0.000	X	149	08/01/94	/ /	/ /
CI03316	LIMINOL SOLN B	UNK	0.000	0.000	0.000	0.000	X	149	08/01/94	/ /	/ /
CI03317	ASPININ WASTE	UNK	0.000	0.000	0.000	0.000	X	149	08/01/94	/ /	/ /
CI03318	WASTE	UNK	0.000	0.000	0.000	0.000	X	149	08/01/94	/ /	11/14/94
CI03319	PUMP OIL	DUO-SEAL	0.000	1.000	0.000	0.000		149	08/01/94	/ /	/ /
CI03320	POLYPHENYL ETHER	MONSANTO	0.000	0.132	0.000	0.000		149	08/01/94	/ /	/ /
[illegible]001946	CHANGE ROOM		0.000	0.000	0.000	0.000		151	08/01/94	/ /	/ /
[illegible]1945	CHANGE ROOM		0.000	0.000	0.000	0.000		152	08/01/94	/ /	/ /
[illegible]396	CHLOROFORM	FISHER SCIENTIFIC	0.000	0.132	0.000	0.000		155	08/01/94	/ /	/ /
CI20397	CHLOROFORM	FISHER SCIENTIFIC	0.000	0.132	0.000	0.000		155	08/01/94	/ /	/ /
CI20398	CHLOROFORM	FISHER SCIENTIFIC	0.000	0.132	0.000	0.000		155	08/01/94	/ /	/ /
CI00301	METHYLENE CHLORIDE	OPTIMIA FISHER SCIENTIFIC	0.000	1.000	0.000	0.000		155	08/01/94	/ /	06/06/95
CI00302	METHYLENE CHLORIDE	OPTIMIA FISHER SCIENTIFIC	0.000	1.000	0.000	0.000		155	08/01/94	/ /	06/06/95
CI00303	METHYLENE CHLORIDE	OPTIMIA FISHER SCIENTIFIC	0.000	1.000	0.000	0.000		155	08/01/94	/ /	06/06/95
CI00304	METHYLENE CHLORIDE	OPTIMIA FISHER SCIENTIFIC	0.000	1.000	0.000	0.000		155	08/01/94	/ /	06/06/95
CI00305	METHYLENE CHLORIDE	OPTIMIA FISHER SCIENTIFIC	0.000	1.000	0.000	0.000		155	08/01/94	/ /	06/06/95
CI00306	METHYLENE CHLORIDE	OPTIMIA FISHER SCIENTIFIC	0.000	1.000	0.000	0.000		155	08/01/94	/ /	06/06/95
RM001716			0.000	0.000	0.000	0.000		155	08/01/94	/ /	/ /
CI00307	METHYLENE CHLORIDE	FISHER SCIENTIFIC	0.000	1.000	0.000	0.000		155	08/01/94	/ /	06/06/95
CI00308	METHYLENE CHLORIDE	FISHER SCIENTIFIC	0.000	1.000	0.000	0.000		155	08/01/94	/ /	06/06/95
CI00309	POTASSIUM BROMIDE	FISHER	0.055	0.000	0.000	0.000		155	08/01/94	/ /	/ /
CI00310	ACETONE	UNK	0.000	0.066	0.000	0.000		155	08/01/94	/ /	/ /
[illegible]00311	UNK	UNK	0.000	0.000	0.000	0.000	X	155	08/01/94	/ /	/ /
[illegible]12	UNK	UNK	0.000	0.007	0.000	0.000		155	08/01/94	/ /	/ /
[illegible]313	SILICIA GEL	SUPELCO	0.220	0.000	0.000	0.000		155	08/01/94	/ /	/ /
CI00314	SILICIA GEL	SUPELCO	0.220	0.000	0.000	0.000		155	08/01/94	/ /	/ /

CHEMICAL INVENTORY BUILDING REPORT
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BARCODE	DESCRIPTION	MANU FACTURER	SOLID QUANTITY (POUNDS)	LIQUID QUANTITY (GALLONS)	GAS QUANTITY (CYLNDERS)	MISC. QUANTITY	UNK	ROOM	DATE ENTERED	DATE VERIFIED	DATE DISPOSED
CI00315	SILICIA GEL	SUPELCO	0.220	0.000	0.000	0.000		155	08/01/94	/ /	/ /
CI00316	SILICIA GEL	SUPELCO	0.220	0.000	0.000	0.000		155	08/01/94	/ /	/ /
CI00317	SILICIA GEL	SUPELCO	0.220	0.000	0.000	0.000		155	08/01/94	/ /	/ /
CI00318	SILICIA GEL	SUPELCO	0.220	0.000	0.000	0.000		155	08/01/94	/ /	/ /
CI00319	WD-40	WD-40	0.000	0.070	0.000	0.000		155	08/01/94	/ /	/ /
CI00320	UNKNOWN COLORLESS LIQUID	UNK	0.000	0.000	0.000	0.000	X	155	08/01/94	/ /	/ /
CI00321	MINERAL OIL	BECKMAN	0.000	0.007	0.000	0.000		155	08/01/94	/ /	/ /
CI00322	MINERAL OIL	BECKMAN	0.000	0.007	0.000	0.000		155	08/01/94	/ /	/ /
CI00323	MINERAL OIL	BECKMAN	0.000	0.007	0.000	0.000		155	08/01/94	/ /	/ /
CI00324	MINERAL OIL	BECKMAN	0.000	0.007	0.000	0.000		155	08/01/94	/ /	/ /
CI00325	MINERAL OIL	BECKMAN	0.000	0.007	0.000	0.000		155	08/01/94	/ /	/ /
CI00326	MINERAL OIL	BECKMAN	0.000	0.007	0.000	0.000		155	08/01/94	/ /	/ /
CI00327	MINERAL OIL	BECKMAN	0.000	0.007	0.000	0.000		155	08/01/94	/ /	/ /
CI00328	HONEY-A-TON	HAMILTON INC.	0.000	0.031	0.000	0.000		155	08/01/94	/ /	/ /
CI00329	RESIN SEAL-GUARD 182	DOW CORNING	1.000	0.000	0.000	0.000		155	08/01/94	/ /	/ /
CI00330	RESIN CURING AGENT	DOW CORNING	0.100	0.000	0.000	0.000		155	08/01/94	/ /	/ /
CI00331	BENEZENE	MALLINCKRODT	0.000	0.132	0.000	0.000		155	08/01/94	/ /	/ /
CI00332	METHANOL	MCB	0.000	0.132	0.000	0.000		155	08/01/94	/ /	/ /
CI00333	METHYLCYCLOHEXANE	EASTMAN	0.000	0.132	0.000	0.000		155	08/01/94	/ /	/ /
CI00334	METHANE TETRAMETHYLENE	ALDRICH	0.000	0.026	0.000	0.000		155	08/01/94	/ /	/ /
CI00335	ISOPROPAL ALCOHOL	MALLINCKRODT	0.000	0.132	0.000	0.000		155	08/01/94	/ /	/ /
CI00336	METHYLENE CHLORIDE	FISHER	0.000	1.000	0.000	0.000		155	08/01/94	/ /	/ /
RM002459	OFFICE		0.000	0.000	0.000	0.000		159	08/01/94	/ /	/ /
			0.000	0.000	0.000	0.000		159	08/01/94	/ /	/ /
			0.000	0.000	0.000	0.000		159	08/01/94	/ /	/ /
RM002460	LOCKED		0.000	0.000	0.000	0.000		159A	08/01/94	/ /	/ /
RM002458			0.000	0.000	0.000	0.000		159B	08/01/94	/ /	/ /
WM005352	METHANOL	FISHER	0.000	1.000	0.000	0.000		159B	08/01/94	/ /	/ /
WM005353	METHANOL	FISHER	0.000	1.000	0.000	0.000		159B	08/01/94	/ /	/ /
WM005354	METHANOL	FISHER	0.000	1.000	0.000	0.000		159B	08/01/94	/ /	/ /
WM005355	ACETONE	FISHER	0.000	1.000	0.000	0.000		159B	08/01/94	/ /	/ /
WM005356	METHANOL CHLOROFORM WASTE	UNK	0.000	0.000	0.000	0.000	X	159B	08/01/94	/ /	/ /
WM005357	METHYL ALCOHOL WASTE	UNK	0.000	0.000	0.000	0.000	X	159B	08/01/94	/ /	/ /
WM005358	ACETONE	UNK	0.000	0.079	0.000	0.000		159B	08/01/94	/ /	/ /
WM005359	POLYMETHYLSILOXANE	UNK	0.000	0.106	0.000	0.000		159B	08/01/94	/ /	/ /
WM005360	SODIUM HYDROXIDE	MCB	0.000	0.264	0.000	0.000		159B	08/01/94	/ /	/ /
WM005361	SODIUM HYDROXIDE	FISHER	1.000	0.000	0.000	0.000		159B	08/01/94	/ /	/ /
WM005362	ACCULITE SODIUM HYDROXIDE	ANACHEMIA CHEMICAL INC.	0.000	0.013	0.000	0.000		159B	08/01/94	/ /	/ /
WM005363	ZINC CARBONATE	FISHER	1.000	0.000	0.000	0.000		159B	08/01/94	/ /	/ /
WM005364	CALCIUM CARBONATE	FISHER	1.000	0.000	0.000	0.000		159B	08/01/94	/ /	/ /
WM005365	SILICA GEL	ALDRICH	0.220	0.000	0.000	0.000		159B	08/01/94	/ /	/ /
WM005366	SILICA GEL	ALDRICH	0.551	0.000	0.000	0.000		159B	08/01/94	/ /	/ /
WM005367	DRIERITE	DRIERITE CO.	1.000	0.000	0.000	0.000		159B	08/01/94	/ /	/ /
WM005368	DRIERITE	DRIERITE CO.	1.000	0.000	0.000	0.000		159B	08/01/94	/ /	/ /
WM005369	DRIERITE	DRIERITE CO.	1.000	0.000	0.000	0.000		159B	08/01/94	/ /	/ /
WM005370	DRIERITE	DRIERITE CO.	1.000	0.000	0.000	0.000		159B	08/01/94	/ /	/ /
WM005371	DRIERITE	DRIERITE CO.	1.000	0.000	0.000	0.000		159B	08/01/94	/ /	/ /
WM005372	DRIERITE	DRIERITE CO.	1.000	0.000	0.000	0.000		159B	08/01/94	/ /	/ /

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WM005373	DRIERITE	DRIERITE CO.	1.000	0.000	0.000	0.000		159B	08/01/94	/ /	/ /
WM005374	CAHCL	ALDRICH	0.000	0.026	0.000	0.000		159B	08/01/94	/ /	/ /
WM005375	CAHCL	ALDRICH	0.000	0.026	0.000	0.000		159B	08/01/94	/ /	/ /
WM005376	LITHIUM BROMIDE		4.405	0.000	0.000	0.000		159B	08/01/94	/ /	/ /
WM005377	LITHIUM BROMIDE		4.405	0.000	0.000	0.000		159B	08/01/94	/ /	/ /
WM005378	CESIUM BROMIDE	ALDRICH	0.055	0.000	0.000	0.000		159B	08/01/94	/ /	/ /
WM005379	CESIUM BROMIDE	ALDRICH	0.055	0.000	0.000	0.000		159B	08/01/94	/ /	/ /
WM005380	4-T-BUTYLCYCLOHEXYL-15-CROWN-5	PARISH	0.000	10.000	0.000	0.000		159B	08/01/94	/ /	/ /
WM005381	DICYCLOHEXO-18-CROWN-6 PURIFIED	PARISH	0.055	0.000	0.000	0.000		159B	08/01/94	/ /	/ /
WM005382	DICYCLOHEXO-18-CROWN-6	PARISH	0.055	0.000	0.000	0.000		159B	08/01/94	/ /	/ /
WM005383	DICYCLOHEXO-18-CROWN-7	PARISH	0.220	0.000	0.000	0.000		159B	08/01/94	/ /	/ /
WM005384	CIS-SYN-CIS DICYCLOHEXO-18-CROWN-6	PARISH	0.220	0.000	0.000	0.000		159B	08/01/94	/ /	/ /
WM005385	DICYCLOHEXO 18-CROWN-6	PARISH	0.220	0.000	0.000	0.000		159B	08/01/94	/ /	/ /
WM005386	DIBENZO-18-CROWN-6	ALDRICH	0.022	0.000	0.000	0.000		159B	08/01/94	/ /	/ /
WM005387	CALCIUM CHLORIDE	FISHER	5.000	0.000	0.000	0.000		159B	08/01/94	/ /	/ /
WM005388	CALCIUM CHLORIDE	FISHER	5.000	0.000	0.000	0.000		159B	08/01/94	/ /	/ /
WM005389	CALCIUM CHLORIDE	FISHER	5.000	0.000	0.000	0.000		159B	08/01/94	/ /	/ /
WM005390	CALCIUM CHLORIDE	FISHER	5.000	0.000	0.000	0.000		159B	08/01/94	/ /	/ /
WM005391	CALCIUM CHLORIDE	FISHER	5.000	0.000	0.000	0.000		159B	08/01/94	/ /	/ /
WM005392	CALCIUM CHLORIDE	FISHER	5.000	0.000	0.000	0.000		159B	08/01/94	/ /	/ /
WM005393	CALCIUM CHLORIDE	FISHER	5.000	0.000	0.000	0.000		159B	08/01/94	/ /	/ /
WM005394	CALCIUM CHLORIDE	FISHER	5.000	0.000	0.000	0.000		159B	08/01/94	/ /	/ /
WM005395	POTASSIUM CHLORIDE	MALLINKRODT	1.000	0.000	0.000	0.000		159B	08/01/94	/ /	/ /
WM005396	LITHIUM CHLORIDE	MALLINKRODT	1.000	0.000	0.000	0.000		159B	08/01/94	/ /	/ /
WM005397	BARIUM CHLORIDE	BEA	1.000	0.000	0.000	0.000		159B	08/01/94	/ /	/ /
WM005398	STRONTIUM CHLORIDE	FISHER	1.000	0.000	0.000	0.000		159B	08/01/94	/ /	/ /
WM005399	CALCIUM BROMIDE	ALFA	0.551	0.000	0.000	0.000		159B	08/01/94	/ /	/ /
WM005400	HCL	ANACHEMIA	0.000	0.040	0.000	0.000		159B	08/01/94	/ /	/ /
WM005401	HCL	ANACHEMIA	0.000	0.040	0.000	0.000		159B	08/01/94	/ /	/ /
WM005402	SODIUM CHLORIDE	ALDRICH	0.220	0.000	0.000	0.000		159B	08/01/94	/ /	/ /
WM005403	SODIUM CHLORIDE	BAKER	1.000	0.000	0.000	0.000		159B	08/01/94	/ /	/ /
WM005404	SODIUM CHLORIDE	BAKER	1.000	0.000	0.000	0.000		159B	08/01/94	/ /	/ /
WM005405	MAGNESIUM CHLORIDE	ALFA	1.000	0.000	0.000	0.000		159B	08/01/94	/ /	/ /
WM005406	SPILL-X-C	ANSUL	1.000	0.000	0.000	0.000		159B	08/01/94	/ /	/ /
WM005407	SPILL-XS	ANSUL	1.000	0.000	0.000	0.000		159B	08/01/94	/ /	/ /
WM005408	SPILL-X-A	ANSUL	1.000	0.000	0.000	0.000		159B	08/01/94	/ /	/ /
WM005409	AMINOX CATION	VARIUM AEROGRAPH	0.022	0.000	0.000	0.000		159B	08/01/94	/ /	/ /
WM005410	SULFURIC ACID	MALLINKRODT	0.000	1.848	0.000	0.000		159B	08/01/94	/ /	/ /
WM005411	HYDROCHLORIC ACID	MALLINKRODT	0.000	1.320	0.000	0.000		159B	08/01/94	/ /	/ /
WM005412	NITRIC ACID	MALLINKRODT	0.000	1.320	0.000	0.000		159B	08/01/94	/ /	/ /
WM005413	NITRIC ACID	BAKER	0.000	0.132	0.000	0.000		159B	08/01/94	/ /	/ /
WM005414	NITRIC ACID	BAKER	0.000	0.132	0.000	0.000		159B	08/01/94	/ /	/ /
WM005415	ETHYLENE GLYCOL	FISHER	0.000	0.132	0.000	0.000		159B	08/01/94	/ /	/ /
WM005416	ETHYLENE GLYCOL	FISHER	0.000	0.132	0.000	0.000		159B	08/01/94	/ /	/ /
WM005417	CHLOROFORM	MALLINKRODT	0.000	0.132	0.000	0.000		159B	08/01/94	/ /	/ /
WM005418	LITHIUM CHLORIDE	UNK	0.000	0.000	0.000	0.000	X	159B	08/01/94	/ /	/ /
WM005419	3 IN 1 OIL	UNK	0.000	0.023	0.000	0.000		159B	08/01/94	/ /	/ /
WM005420	PLATINIZING SOL	1/SI INC.	0.000	0.016	0.000	0.000		159B	08/01/94	/ /	/ /
WM005421	PLATINIZING SOL	1/SI INC.	0.000	0.016	0.000	0.000		159B	08/01/94	/ /	/ /

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WM005422	PLATINIZING SOL	1/SI INC.	0.000	0.016	0.000	0.000		159B	08/01/94	/ /	/ /
WM005423	PLATINIZING SOL	1/SI INC.	0.000	0.016	0.000	0.000		159B	08/01/94	/ /	/ /
WM005424	LEAK TEC	AMERICAN GAS AND CHEMICAL CO. L	0.000	0.031	0.000	0.000		159B	08/01/94	/ /	/ /
WM005425	DILUTE NITRIC ACID	UNK	0.000	0.053	0.000	0.000		159B	08/01/94	/ /	/ /
WM005426	DILUTE NITRIC ACID	UNK	0.000	0.053	0.000	0.000		159B	08/01/94	/ /	/ /
WM005427	CAL CONDITIONING SOLVENT	UNK	0.000	0.132	0.000	0.000		159B	08/01/94	/ /	/ /
WM005428	NITRIC ACID SOLUTION	UNK	0.000	0.132	0.000	0.000		159B	08/01/94	/ /	/ /
WM005429	NITRIC ACID SOLUTION	UNK	0.000	1.000	0.000	0.000		159B	08/01/94	/ /	/ /
WM005430	VAC PUMP OIL	DUO SEAL	0.000	0.003	0.000	0.000		159B	08/01/94	/ /	/ /
WM005431	NITRIC ACID 0.2MOLAR	UNK	0.000	0.026	0.000	0.000		159B	08/01/94	/ /	/ /
WM005432	DRIERITE	UNK	0.000	0.000	0.000	0.000	X	159B	08/01/94	/ /	/ /
WM005433	DRIERITE	UNK	0.000	0.000	0.000	0.000	X	159B	08/01/94	/ /	/ /
WM005434	GELATIN CAPS	PARR	0.000	0.000	0.000	0.000		159B	08/01/94	/ /	/ /
CI18001	TEFLON	AMERICAN DUROFILM	0.000	0.125	0.000	0.000		159B	08/01/94	/ /	/ /
CI18002	SPILL-X-C	ANSUL	2.000	0.000	0.000	0.000		159B	08/01/94	/ /	/ /
CI18003	SPILL-X-S	ANSUL	2.000	0.000	0.000	0.000		159B	08/01/94	/ /	/ /
CI18004	SPILL-X-A	ANSUL	2.000	0.000	0.000	0.000		159B	08/01/94	/ /	/ /
CI18005	METHANOL	UNK	0.000	0.066	0.000	0.000		159B	08/01/94	/ /	/ /
CI18006	METHANOL	UNK	0.000	0.020	0.000	0.000		159B	08/01/94	/ /	/ /
CI18007	UNK	UNK	0.000	0.079	0.000	0.000		159B	08/01/94	/ /	/ /
CI18008	METHANOL	UNK	0.000	0.026	0.000	0.000		159B	08/01/94	/ /	/ /
CI18009	CLEAN BATH	SPECTRUM MEDICAL IND.	0.000	0.016	0.000	0.000		159B	08/01/94	/ /	/ /
CI18010	DRIERITE	UNK	0.000	0.000	0.000	0.000	X	159B	08/01/94	/ /	/ /
CI18011	DRIERITE	UNK	0.000	0.000	0.000	0.000	X	159B	08/01/94	/ /	/ /
CI18012	DRIERITE	UNK	0.000	0.000	0.000	0.000	X	159B	08/01/94	/ /	/ /
CI18013	DRIERITE	UNK	0.000	0.000	0.000	0.000	X	159B	08/01/94	/ /	/ /
WM005560	HF	FISHER	0.000	0.066	0.000	0.000		162	08/01/94	/ /	/ /
WM005561	NITRIC ACID	FISHER	0.000	0.132	0.000	0.000		162	08/01/94	/ /	/ /
WM005562	ETHYLENE GLYCOL	FISHER	0.000	0.132	0.000	0.000		162	08/01/94	/ /	/ /
WM005563	HF	FISHER	0.000	0.066	0.000	0.000		162	08/01/94	/ /	/ /
WM005564	NITRIC ACID	FISHER	0.000	0.132	0.000	0.000		162	08/01/94	/ /	/ /
WM005565	ANTIFREEZE	BARTON CHEMICAL	0.000	1.000	0.000	0.000		162	08/01/94	/ /	/ /
WM005566	OIL	EPPERT OIL CO.	0.000	0.000	0.000	0.000	X	162	08/01/94	/ /	/ /
WM005567	VAC PUMP OIL	INLAND	0.000	0.264	0.000	0.000		162	08/01/94	/ /	/ /
WM005568	ACETONE	UNK	0.000	0.198	0.000	0.000		162	08/01/94	/ /	/ /
WM005569	NITRIC ACID	UNK	0.000	0.198	0.000	0.000		162	08/01/94	/ /	/ /
WM005570	MAGNESIUM METAL	NBS	0.004	0.000	0.000	0.000		162	08/01/94	/ /	/ /
WM005571	HOH BLANK	SPEX INDUSTRIES	0.000	0.026	0.000	0.000		162	08/01/94	/ /	/ /
WM005572	MULTI ELEMENT	SPEX INDUSTRIES	0.000	0.026	0.000	0.000		162	08/01/94	/ /	/ /
WM005573	NITRIC ACID BLANK	SPEX INDUSTRIES	0.000	0.026	0.000	0.000		162	08/01/94	/ /	/ /
WM005574	MERCURY STD.	SPEX INDUSTRIES	0.000	0.026	0.000	0.000		162	08/01/94	/ /	/ /
WM005575	MULTI ELEMENT	SPEX INDUSTRIES	0.000	0.026	0.000	0.000		162	08/01/94	/ /	/ /
WM005576	HCL	SPEX INDUSTRIES	0.000	0.026	0.000	0.000		162	08/01/94	/ /	/ /
WM005577	MULTI ELEMENT	SPEX INDUSTRIES	0.000	0.026	0.000	0.000		162	08/01/94	/ /	/ /
WM005578	MULTI ELEMENT	SPEX INDUSTRIES	0.000	0.026	0.000	0.000		162	08/01/94	/ /	/ /

CHEMICAL INVENTORY BUILDING REPORT
BY BARCODE

BARCODE	DESCRIPTION	MANU FACTURER	SOLID QUANTITY (POUNDS)	LIQUID QUANTITY (GALLONS)	GAS QUANTITY (CYLNDERS)	MISC. QUANTITY	UNK	ROOM	DATE ENTERED	DATE VERIFIED	DATE DISPOSED
WM005579	MULTI ELEMENT SOLN	SPEX INDUSTRIES	0.000	0.026	0.000	0.000		162	08/01/94	/ /	/ /
WM005580	MOLD RELEASE (FREON)	PERCY HARMS	0.000	0.000	1.000	0.000		162	08/01/94	/ /	/ /
WM005581	SPRAY ADHESIVE	NASHUA	0.000	0.133	0.000	0.000		162	08/01/94	/ /	/ /
WM005582	OXYGEN	AIR PRODUCTS	0.000	0.000	1.000	0.000		162	08/01/94	/ /	/ /
WM00531	OFFICE		0.000	0.000	0.000	0.000		163	08/01/94	/ /	/ /
WM005308	EPOXY	DEVCON	0.000	0.008	0.000	0.000		163	08/01/94	/ /	/ /
WM005309	AY	UNK	0.000	0.001	0.000	0.000		163	08/01/94	/ /	/ /
WM005310	BA	UNK	0.000	0.001	0.000	0.000		163	08/01/94	/ /	/ /
RM001715			0.000	0.000	0.000	0.000		164	08/01/94	/ /	/ /
CI02059	UNK	UNK	0.188	0.000	0.000	0.000		164	08/01/94	/ /	/ /
CI02060	UNK	KERIMID	0.220	0.000	0.000	0.000		164	08/01/94	/ /	/ /
CI02061	METHANE TANK	AIR PRODUCTS	0.000	0.000	1.000	0.000		164	08/01/94	/ /	/ /
CI02062	PLIOBOND	GOODYEAR	0.062	0.000	0.000	0.000		164	08/01/94	/ /	/ /
CI02063	ELMERS GLUE	ELMERS	0.000	0.010	0.000	0.000		164	08/01/94	/ /	/ /
CI02064	UNK	UNK	0.000	0.000	0.000	0.000	X	164	08/01/94	/ /	/ /
CI02065	VAC PUMP	VARIAN	0.000	0.000	0.000	0.000		164	08/01/94	/ /	/ /
CI02066	UNK GAS CYLINDER	AIR PRODUCTS	0.000	0.000	1.000	0.000		164	08/01/94	/ /	/ /
CI02067	HYDROGEN	MATHESON	0.000	0.000	1.000	0.000		164	08/01/94	/ /	/ /
CI02068	DEUTERIUM	MATHESON	0.000	0.000	1.000	0.000		164	08/01/94	/ /	/ /
CI02069	DEUTERIUM	MATHESON	0.000	0.000	1.000	0.000		164	08/01/94	/ /	/ /
CI02070	UNK CYLINDER	MATHESON	0.000	0.000	1.000	0.000		164	08/01/94	/ /	/ /
CI02071	SOLDER	DIVCO	1.000	0.000	0.000	0.000		164	08/01/94	/ /	/ /
[illegible]2072	EPOXY	DEVCON	0.062	0.000	0.000	0.000		164	08/01/94	/ /	/ /
[illegible]073	C-100	FEL-PRO	0.062	0.000	0.000	0.000		164	08/01/94	/ /	/ /
[illegible]2074	C-100	FEL-PRO	0.062	0.000	0.000	0.000		164	08/01/94	/ /	/ /
CI02075	GREASE	APIEZON	0.000	0.000	0.000	0.000	X	164	08/01/94	/ /	/ /
CI02076	GREASE	APIEZON	0.000	0.000	0.000	0.000	X	164	08/01/94	/ /	/ /
CI02077	FLUOROLUBE GREASE	FISHER	0.062	0.000	0.000	0.000		164	08/01/94	/ /	/ /
CI02078	TORR-SEAL HARDNER	VARIAN	0.000	0.000	0.000	0.000	X	164	08/01/94	/ /	/ /
CI02079	TORR-SEAL RESIN	VARIAN	0.000	0.000	0.000	0.000	X	164	08/01/94	/ /	/ /
CI02080	VAC-GOOP	CRAWFORD	0.062	0.000	0.000	0.000		164	08/01/94	/ /	/ /
CI02081	UNK	UNK	0.000	0.000	0.000	0.000	X	164	08/01/94	/ /	/ /
CI02082	VACUUM PUMP OIL	INLAND	0.000	0.264	0.000	0.000		164	08/01/94	/ /	/ /
CI02083	BORIC ACID	CHEMPLEX	2.203	0.000	0.000	0.000		164	08/01/94	/ /	/ /
CI02084	BORIC ACID	B & A	1.101	0.000	0.000	0.000		164	08/01/94	/ /	/ /
CI02085	SAMARIUM METAL	TRONA	2.000	0.000	0.000	0.000		164	08/01/94	/ /	/ /
CI02086	POTASSIUM	BENTRON	0.055	0.000	0.000	0.000		164	08/01/94	/ /	/ /
CI02087	YTTERBIUM METAL	TRONA	1.000	0.000	0.000	0.000		164	08/01/94	/ /	/ /
CI02088	SODIUM HYDRIDE	BENTRON	0.551	0.000	0.000	0.000		164	08/01/94	/ /	/ /
CI02089	BARIUM	PFALTZ BAUR	0.885	0.000	0.000	0.000		164	08/01/94	/ /	/ /
CI02090	HAZ WASTE	UNK	0.000	0.000	0.000	0.000	X	164	08/01/94	/ /	/ /
CI02091	HELIUM TANK	AIR PRODUCTS	0.000	0.000	1.000	0.000		164	08/01/94	/ /	/ /
CI02092	VACUUM PUMP	UNK	0.000	0.000	0.000	0.000	X	164	08/01/94	/ /	/ /
CI02093	VAPOR PROOF COMPOUND	MACHLETT	0.000	0.000	0.000	0.000	X	164	08/01/94	/ /	/ /
CI02094	VAPOR PROOF COMPOUND	MACHLETT	0.000	0.000	0.000	0.000	X	164	08/01/94	/ /	/ /
CI02095	VAPOR PROOF COMPOUND	MACHLETT	0.000	0.000	0.000	0.000	X	164	08/01/94	/ /	/ /
CI02096	VAPOR PROOF COMPOUND	MACHLETT	0.000	0.000	0.000	0.000	X	164	08/01/94	/ /	/ /
CI02097	GROUP 12 LUBRICANTS	UNK	0.000	0.000	0.000	0.000	X	164	08/01/94	/ /	/ /
[illegible]098	X-RAY DEVELOPER TUBE OIL	KODAK	0.000	0.250	0.000	0.000		164	08/01/94	/ /	/ /
[illegible]099	TUBE OIL	KODAK	0.000	0.000	0.000	0.000	X	164	08/01/94	/ /	/ /
CI02100	LEAD	UNK	0.000	0.000	0.000	0.000	X	164	08/01/94	/ /	/ /

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RM002280			0.000	0.000	0.000	0.000		165	08/01/94	/ /	/ /
WM005309	APIZON GREASE H	APIZON PRODUCTS LTD.	0.055	0.000	0.000	0.000		165	08/01/94	/ /	/ /
WM005310	704 DIFFUSION PUMP FLUID	DOW CORNING	0.000	0.132	0.000	0.000		165	08/01/94	/ /	/ /
WM005311	VACUUM PUMP FLUID	CONSOLIDATED VACUUM CORP	0.000	0.132	0.000	0.000		165	08/01/94	/ /	/ /
WM005312	704 DIFFUSION PUMP FLUID	DOW CORNING	0.000	0.132	0.000	0.000		165	08/01/94	/ /	/ /
WM005313	MINERAL OIL	JOSEPH MAST CO.	0.000	0.062	0.000	0.000		165	08/01/94	/ /	/ /
WM005314	EFFA DUSTER (FREON)	ERNEST FULLAM	0.000	0.109	0.000	0.000		165	08/01/94	/ /	/ /
WM005315	EFFA DUSTER (FREON)	ERNEST FULLAM	0.000	0.109	0.000	0.000		165	08/01/94	/ /	/ /
WM005316	EFFA DUSTER (FREON)	ERNEST FULLAM	0.000	0.109	0.000	0.000		165	08/01/94	/ /	/ /
WM005317	LO-17 OIL	BODINE ELEC. CO.	0.000	0.000	0.000	0.000	X	165	08/01/94	/ /	/ /
WM005318	TEX WIPE DISC HEAD CLEANER	TEX WIPE	0.000	0.117	0.000	0.000		165	08/01/94	/ /	/ /
WM005319	LI DI SILICATE	UNK	0.000	0.000	0.000	0.000		165	08/01/94	/ /	/ /
WM005320	GRISTOBALITE	DEANA K SMITH	0.110	0.000	0.000	0.000		165	08/01/94	/ /	/ /
WM005321	L2SIO3	DEANE K SMITH	0.110	0.000	0.000	0.000		165	08/01/94	/ /	/ /
WM005322	MICA POWDER XRD	NBS	0.033	0.000	0.000	0.000		165	08/01/94	/ /	/ /
WM005323	674 XRD INTENSITY CAO2	NBS	0.033	0.000	0.000	0.000		165	08/01/94	/ /	/ /
WM005324	674 TIO2	NBS	0.033	0.000	0.000	0.000		165	08/01/94	/ /	/ /
WM005325	CR2O3	NBS	0.033	0.000	0.000	0.000		165	08/01/94	/ /	/ /
WM005326	ZNO	NBS	0.033	0.000	0.000	0.000		165	08/01/94	/ /	/ /
WM005327	RESPIRABLE ALPHA QUARTZ	NBS	0.033	0.000	0.000	0.000		165	08/01/94	/ /	/ /
WM005328	SILICON POWDER	NBS	0.033	0.000	0.000	0.000		165	08/01/94	/ /	/ /
WM005329	CRISTOBALITE	NBS	0.033	0.000	0.000	0.000		165	08/01/94	/ /	/ /
WM005330	SILICON POWDER	NBS	0.033	0.000	0.000	0.000		165	08/01/94	/ /	/ /
WM005331	TWO THETA LINE PROFILE XRD STD	NBS	0.033	0.000	0.000	0.000		165	08/01/94	/ /	/ /
WM005332	NAF-EU	HARSHAW	0.000	0.000	0.000	0.000	X	165	08/01/94	/ /	/ /
WM005333	SI IV OXIDE	JOHNSON MATHEY	2.245	0.000	0.000	0.000		165	08/01/94	/ /	/ /
WM005334	AL OXIDE	BUEHLER LTD	0.110	0.000	0.000	0.000		165	08/01/94	/ /	/ /
WM005335	VAC PUMP OIL	INLAND	0.000	1.056	0.000	0.000		165	08/01/94	/ /	/ /
WM005336	APIZON GREASE T	JAMES G. BIDDLE CO.	0.055	0.000	0.000	0.000		165	08/01/94	/ /	/ /
WM005337	APIZON GREASE H	JAMES G. BIDDLE CO.	0.057	0.000	0.000	0.000		165	08/01/94	/ /	/ /
WM005338	SOLDER PASTE	OATLEY	1.000	0.000	0.000	0.000		165	08/01/94	/ /	/ /
RM001717			0.000	0.000	0.000	0.000		166	08/01/94	/ /	/ /
CI003037	PROPANOL	FISHER	0.000	1.000	0.000	0.000		166	08/01/94	/ /	/ /
CI003038	PROPANOL	FISHER	0.000	1.000	0.000	0.000		166	08/01/94	/ /	/ /
CI003039	PROPANOL	FISHER	0.000	1.000	0.000	0.000		166	08/01/94	/ /	/ /
CI003040	PROPANOL	FISHER	0.000	1.000	0.000	0.000		166	08/01/94	/ /	/ /
CI003041	PROPANOL	FISHER	0.000	1.000	0.000	0.000		166	08/01/94	/ /	/ /
CI003042	METHYLENE CHLORIDE	FISHER	0.000	1.000	0.000	0.000		166	08/01/94	/ /	/ /
CI003043	METHYLENE CHLORIDE	FISHER	0.000	1.000	0.000	0.000		166	08/01/94	/ /	/ /
CI003044	METHYLENE CHLORIDE	FISHER	0.000	1.000	0.000	0.000		166	08/01/94	/ /	/ /
CI003045	METHYLENE CHLORIDE	FISHER	0.000	1.000	0.000	0.000		166	08/01/94	/ /	/ /
CI003046	METHYLENE CHLORIDE	FISHER	0.000	1.000	0.000	0.000		166	08/01/94	/ /	/ /
CI003047	METHYLENE CHLORIDE	FISHER	0.000	1.000	0.000	0.000		166	08/01/94	/ /	/ /

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CI003048	ACETONE	FISHER	0.000	1.000	0.000	0.000		166	08/01/94	/ /	/ /
CI003049	ACETONE	FISHER	0.000	1.000	0.000	0.000		166	08/01/94	/ /	/ /
CI003050	ACETONE	FISHER	0.000	1.000	0.000	0.000		166	08/01/94	/ /	/ /
CI003051	ACETONE	FISHER	0.000	1.000	0.000	0.000		166	08/01/94	/ /	/ /
CI003052	ACETONE	FISHER	0.000	1.000	0.000	0.000		166	08/01/94	/ /	/ /
CI003053	ACETONE	FISHER	0.000	1.000	0.000	0.000		166	08/01/94	/ /	/ /
CI003054	ALCOHOL DEHYDRATED	MCCORMICK	0.000	1.000	0.000	0.000		166	08/01/94	/ /	/ /
CI003055	ALCOHOL DEHYDRATED	MCCORMICK	0.000	1.000	0.000	0.000		166	08/01/94	/ /	/ /
CI003056	ISOPROPYL ALCOHOL	UNK	0.000	0.000	0.000	0.000	X	166	08/01/94	/ /	/ /
CI003057	HAZ WASTE		0.000	0.000	0.000	0.000	X	166	08/01/94	/ /	/ /
CI003058	DUCT SEALER	NASHUA	5.000	0.000	0.000	0.000		166	08/01/94	/ /	/ /
CI003059	VACUUM PUM OIL	PENTWALT	0.000	5.000	0.000	0.000		166	08/01/94	/ /	/ /
CI003060	HYDROCHLORIC ACID	FISHER	0.000	1.000	0.000	0.000		166	08/01/94	/ /	/ /
CI003061	HYDROCHLORIC ACID	FISHER	0.000	1.000	0.000	0.000		166	08/01/94	/ /	/ /
CI003062	HYDROCHLORIC ACID	FISHER	0.000	1.000	0.000	0.000		166	08/01/94	/ /	/ /
CI003063	HYDROCHLORIC ACID	FISHER	0.000	1.000	0.000	0.000		166	08/01/94	/ /	/ /
CI003064	HYDROCHLORIC ACID	FISHER	0.000	1.000	0.000	0.000		166	08/01/94	/ /	/ /
CI003065	HYDROCHLORIC ACID	FISHER	0.000	1.000	0.000	0.000		166	08/01/94	/ /	/ /
CI003066	HYDROCHLORIC ACID	FISHER	0.000	1.000	0.000	0.000		166	08/01/94	/ /	/ /
CI003067	HYDROCHLORIC ACID	FISHER	0.000	1.000	0.000	0.000		166	08/01/94	/ /	/ /
CI003068	HYDROCHLORIC ACID	FISHER	0.000	1.000	0.000	0.000		166	08/01/94	/ /	/ /
CI003069	NITRIC ACID	FISHER	0.000	5.000	0.000	0.000		166	08/01/94	/ /	/ /
CI003070	NITRIC ACID	FISHER	0.000	5.000	0.000	0.000		166	08/01/94	/ /	/ /
CI003071	NITRIC ACID	FISHER	0.000	5.000	0.000	0.000		166	08/01/94	/ /	/ /
CI003072	HYDROFLORIC ACID	UNK	0.000	0.053	0.000	0.000		166	08/01/94	/ /	/ /
CI003073	HYDROFLORIC ACID	UNK	0.000	0.053	0.000	0.000		166	08/01/94	/ /	/ /
CI003074	WASTE SOLVENTS METHYLENE FLOURIDE	UNK	0.000	7.000	0.000	0.000		166	08/01/94	/ /	/ /
[illegible]5075	ETHAL ALCHOL WASTE	UNK	0.000	7.000	0.000	0.000		166	08/01/94	/ /	/ /
[illegible]03076	ACETONE WASTE		0.000	7.000	0.000	0.000		166	08/01/94	/ /	/ /
CI003077	CALCI-SOLV	NYCO	0.000	1.000	0.000	0.000		166	08/01/94	/ /	/ /
CI003078	ETHYL ALCOHOL	UNK	0.000	2.000	0.000	0.000		166	08/01/94	/ /	/ /
CI003079	METHYLENE CHLORIDE	UNK	0.000	2.000	0.000	0.000		166	08/01/94	/ /	/ /
CI003080	METHYLENE CHLORIDE	UNK	0.000	2.000	0.000	0.000		166	08/01/94	/ /	/ /
CI003081	ACETONE	UNK	0.000	2.000	0.000	0.000		166	08/01/94	/ /	/ /
CI14758	ANALYTICAL GRADE CATION EXCHANGE RESIN	BIO-RAD LABORATORIES	1.000	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14759	ANALYTICAL GRADE CATION EXCHANGE RESIN	BIO-RAD LABORATORIES	1.000	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14760	BIO-GLAS-200	BIO-RAD LABORATORIES	0.220	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14761	BIO-GLAS-2500	BIO-RAD LABORATORIES	0.220	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14762	BIO-GLAS-2500	BIO-RAD LABORATORIES	0.220	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14763	BIO-GLAS-1000	BIO-RAD LABORATORIES	0.220	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14764	BIO-GLAS-1000	BIO-RAD LABORATORIES	0.220	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14765	BIO-GLAS-1500	BIO-RAD LABORATORIES	0.220	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14766	BIO-GLAS-500	BIO-RAD LABORATORIES	0.220	0.000	0.000	0.000		167	08/01/94	/ /	/ /
[illegible]4767	BIO-GLAS-1500	BIO-RAD LABORATORIES	0.220	0.000	0.000	0.000		167	08/01/94	/ /	/ /

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CI14768	BIO-GLAS-500	BIO-RAD LABORATORIES	0.220	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14769	SODIUM CITRATE CRYSTAL	GENERAL CHEM DIV.	1.000	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14770	SODIUM TETRAPHENYL BORON	MATHESON COLEMAN & BELL	0.002	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14771	SODIUM TETRAPHENYL BORON	MATHESON COLEMAN & BELL	0.002	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14772	SODIUM TETRAPHENYL BORON	MATHESON COLEMAN & BELL	0.002	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14773	SODIUM TETRAPHENYL BORON	MATHESON COLEMAN & BELL	0.002	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14774	THULIUM OXIDE	MICHIGAN CHEMICAL CORP	0.022	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14775	ERBIUM OXIDE	MICHIGAN CHEMICAL CORP	0.022	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14776	YTTERTRIUM OXIDE	MICHIGAN CHEMICAL CORP	0.110	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14777	YTTRIUM OXIDE	MICHIGAN CHEMICAL CORP	0.110	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14778	NEODYMIUM OXIDE	MICHIGAN CHEMICAL CORP	0.110	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14779	GADOLINIUM OXIDE	MICHIGAN CHEMICAL CORP	0.110	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14780	HOLMIUM OXIDE	MICHIGAN CHEMICAL CORP	0.110	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14781	LANTHANUM OXIDE	MICHIGAN CHEMICAL CORP	0.110	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14782	PRASEDYMIUM OXIDE	MICHIGAN CHEMICAL CORP	0.110	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14783	PYSPROSIUM OXIDE	MICHIGAN CHEMICAL CORP	0.110	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14784	CERIUM OXIDE	MICHIGAN CHEMICAL CORP	0.110	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14785	SAMARIUM OXIDE	MICHIGAN CHEMICAL CORP	0.110	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14786	LUTETIUM OXIDE	MICHIGAN CHEMICAL CORP	0.110	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14787	UNKNOWN POWDER	UNKNOWN	0.000	0.000	0.000	0.000	X	167	08/01/94	/ /	/ /
CI14788	POTASSIUM CYANIDE	MALLINCKRODT	1.000	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14789	OXALIC ACID	FISHER	1.000	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14790	MERCURY	SARGENT-WELCH	44.903	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14833	POTASSIUM HYDROXIDE	INDUSTRIAL CHEMICALS DIVISION	1.000	0.000	0.000	0.000		167	08/01/94	/ /	/ /

CHEMICAL INVENTORY BUILDING REPORT
BY BARCODE

BARCODE	DESCRIPTION	MANU FACTURER	SOLID QUANTITY (POUNDS)	LIQUID QUANTITY (GALLONS)	GAS QUANTITY (CYLNDERS)	MISC. QUANTITY	UNK	ROOM	DATE ENTERED	DATE VERIFIED	DATE DISPOSED
CI14834	HYDROQUINONE	FISHER SCIENTIFIC	0.250	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14835	HYDRAZINE HYDROCHLORIDE	FISHER	0.250	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14836	HYDRAZINE HYDRATE	FISHER	0.000	0.125	0.000	0.000		167	08/01/94	/ /	/ /
CI14837	HYDROXYLAMINE HYDROCHLORIDE	FISHER	1.101	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14838	HYDROXYLAMINE HYDROCHLORIDE	FISHER	1.101	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14839	HYDROXYLAMINE HYDROCHLORIDE	FISHER	1.101	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14840	HYDROXYLAMINE HYDROCHLORIDE	FISHER	1.101	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14841	HYDROXYLAMINE HYDROCHLORIDE	FISHER	1.101	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14842	HYDROXYLAMINE HYDROCHLORIDE	FISHER	1.101	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14843	UNK	UNK	0.000	0.264	0.000	0.000		167	08/01/94	/ /	/ /
CI14844	UNK	UNK	0.000	0.264	0.000	0.000		167	08/01/94	/ /	/ /
CI14845	UNK	UNK	0.000	0.264	0.000	0.000		167	08/01/94	/ /	/ /
CI14846	AMMONIA (LECTURE CYLINDER)	MATHESON CO.	0.000	0.000	1.000	0.000		167	08/01/94	/ /	/ /
CI14847	HYDROGEN CHLORIDE (LECTURE CYLINDER)	MATHESON CO.	0.000	0.000	1.000	0.000		167	08/01/94	/ /	/ /
CI14848	HYDROGEN CHLORIDE (LECTURE CYLINDER)	MATHESON CO.	0.000	0.000	1.000	0.000		167	08/01/94	/ /	/ /
CI14849	PHFFT	FISHER	0.000	0.141	0.000	0.000		167	08/01/94	/ /	/ /
CI14850	PHFFT	FISHER	0.000	0.141	0.000	0.000		167	08/01/94	/ /	/ /
CI14851	SILICA GEL	ALLTECH ASSOCIATES	2.245	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14852	SILICA GEL	ALLTECH ASSOCIATES	2.245	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14853	SILICA GEL	FISHER	1.000	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14854	3 IN 1 OIL	BOYLE MIDWAY	0.000	0.023	0.000	0.000		167	08/01/94	/ /	/ /
CI14855	SILICONE SPRAY CONCENTRATE	INJECTION MOLDERS SUPPLY CO. IN	0.000	0.094	0.000	0.000		167	08/01/94	/ /	/ /
CI14856	3 IN 1 OIL	BOYLE MIDWAY	0.000	0.023	0.000	0.000		167	08/01/94	/ /	/ /
CI14857	RUST-OLEUM	RUST-OLEUM CORP.	0.000	0.102	0.000	0.000		167	08/01/94	/ /	/ /
CI14858	SILICIC ACID	FISHER	1.000	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14859	UREA	UNK	1.000	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14860	POTASSIUM HYDROXIDE	GENERAL CHEMICAL DIV.	1.000	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14861	POTASIUM CHLORIDE	JT BAKER CHEMICAL CO.	1.000	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14862	SODIUM ACETATE ANHYDROUS	MALLINCKRODT	1.000	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14863	FLUORO GLIDE	CHEMPLAST	0.000	0.125	0.000	0.000		167	08/01/94	/ /	/ /
CI14864	THENOYLTRIFLUOROACETONE	ALDRICH CHEMICAL CO.	0.220	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14865	THENOYLTRIFLUOROACETONE	ALDRICH CHEMICAL CO.	0.220	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14866	THENOYLTRIFLUOROACETONE	ALDRICH CHEMICAL CO.	0.220	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14867	THENOYLTRIFLUOROACETONE	ALDRICH CHEMICAL CO.	0.220	0.000	0.000	0.000		167	08/01/94	/ /	/ /

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BARCODE	DESCRIPTION	MANU FACTURER	SOLID QUANTITY (POUNDS)	LIQUID QUANTITY (GALLONS)	GAS QUANTITY (CYLNDERS)	MISC. QUANTITY	UNK	ROOM	DATE ENTERED	DATE VERIFIED	DATE DISPOSED
CI14868	THENOYLTRIFLUOROACETONE	ALDRICH CHEMICAL CO.	0.220	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14869	UNK	UNK	0.000	0.000	0.000	0.000	X	167	08/01/94	/ /	/ /
CI14870	SILVER METAL	FISHER	0.062	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14871	SILVER NITRATE	MALLINCKRODT	0.062	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14872	SODIUM BISULFATE	MATHESON COLEMAN & BELL	1.000	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14873	SODIUM HYDROXIDE	MALLINCKRODT	1.000	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14874	SODIUM HYDROXIDE	MALLINCKRODT	1.000	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14875	SODIUM NITRITE	FISHER	1.101	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14876	SODIUM NITRITE	FISHER	1.101	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14877	SODIUM NITRITE	FISHER	1.101	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14878	SODIUM NITRITE	FISHER	1.101	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14879	SODIUM NITRITE	FISHER	1.101	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14880	SODIUM NITRITE	MATHESON COLEMAN & BELL	1.000	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14881	SODIUM NITRITE	MALLINCKRODT	1.000	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14882	SODIUM PHOSPHATE	FISHER	1.000	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14883	SODIUM THIOSULFATE	GENERAL CHEMICAL DIV	1.000	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14884	ASBESTOS ACID WASHED	BIO-RAD LABORATORIES	0.220	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14885	TM-51	UNK	0.035	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14886	URANYL ACETATE	MALLINCKRODT	0.250	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14887	THORIUM NITRATE	JT. BAKER CHEMICAL CO.	0.250	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14888	THORIUM OXIDE CERMET (DISCS)	UNK	0.000	0.000	0.000	0.000	X	167	08/01/94	/ /	/ /
CI14889	FIVE THRORIA CRUCIBLES	UNK	0.000	0.000	0.000	0.000	X	167	08/01/94	/ /	/ /
CI14890	TH(NO3)4	UNK	0.471	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14891	SCORING POWDER	BABBITT PRODUCTS INC.	0.875	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14892	ARGON LINE		0.000	0.000	1.000	0.000		167	08/01/94	/ /	/ /
CI14893	UNK GAS LINE		0.000	0.000	1.000	0.000		167	08/01/94	/ /	/ /
CI14664	UNK METAL DISKS	ENGELHARD	1.000	0.000	0.000	0.000		167	08/01/94	/ /	/ /
	BATTERIES		0.000	0.000	0.000	0.000	X	167	08/01/94	/ /	/ /
CI14665	WINDOW SHINE	VALLEY JANITORIAL SUPPLY	0.000	1.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14666	LABORATORY CLEANER	CRYSTACLEAN	0.000	0.031	0.000	0.000		167	08/01/94	/ /	/ /
CI14667	WINDOW SHINE	VALLEY JANITORIAL SUPPLY	0.000	1.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14668	CONQUEST	CHARDON	0.000	1.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14669	CONQUEST	CHARDON	0.000	1.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14670	ACETONE	FISHER	0.000	0.125	0.000	0.000		167	08/01/94	/ /	/ /
CI14671	ACETONE	FISHER	0.000	0.250	0.000	0.000		167	08/01/94	/ /	/ /
CI14672	ACETONE	FISHER	0.000	0.375	0.000	0.000		167	08/01/94	/ /	/ /
CI14673	ACETYL ACETONE	FISHER	0.000	0.125	0.000	0.000		167	08/01/94	/ /	/ /
CI14674	ACETYL ACETONE	FISHER	0.000	0.250	0.000	0.000		167	08/01/94	/ /	/ /

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BARCODE	DESCRIPTION	MANU FACTURER	SOLID QUANTITY (POUNDS)	LIQUID QUANTITY (GALLONS)	GAS QUANTITY (CYLNDERS)	MISC. QUANTITY	UNK	ROOM	DATE ENTERED	DATE VERIFIED	DATE DISPOSED
CI14675	ACETYL ACETONE	FISHER	0.000	0.375	0.000	0.000		167	08/01/94	/ /	/ /
CI14676	TOLUENE	FISHER	0.000	0.132	0.000	0.000		167	08/01/94	/ /	/ /
CI14677	TOLUENE	FISHER	0.000	0.132	0.000	0.000		167	08/01/94	/ /	/ /
CI14678	TOLUENE	FISHER	0.000	0.133	0.000	0.000		167	08/01/94	/ /	/ /
CI14679	TOLUENE	FISHER	0.000	0.133	0.000	0.000		167	08/01/94	/ /	/ /
CI14680	TOLUENE	FISHER	0.000	0.133	0.000	0.000		167	08/01/94	/ /	/ /
CI14681	TOLUENE	FISHER	0.000	0.133	0.000	0.000		167	08/01/94	/ /	/ /
CI14682	TOLUENE	FISHER	0.000	0.134	0.000	0.000		167	08/01/94	/ /	/ /
CI14683	TOLUENE	FISHER	0.000	0.134	0.000	0.000		167	08/01/94	/ /	/ /
CI14684	TOLUENE	FISHER	0.000	0.134	0.000	0.000		167	08/01/94	/ /	/ /
CI14685	BENZENE	ALLIED CHEMICAL	0.000	0.132	0.000	0.000		167	08/01/94	/ /	/ /
CI14686	BENZENE	ALLIED CHEMICAL	0.000	0.132	0.000	0.000		167	08/01/94	/ /	/ /
CI14687	ETHER ANHYDROUS (OLD)	ALLIED CHEMICALS	0.000	0.264	0.000	0.000		167	08/01/94	/ /	/ /
CI14688	ETHANOL 95%	UNK	0.000	1.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14689	KRYLON	BORDEN	0.000	0.102	0.000	0.000		167	08/01/94	/ /	/ /
CI14690	DIMETHYL SULFOXIDE	MATTHESON	0.000	0.264	0.000	0.000		167	08/01/94	/ /	/ /
CI14691	TRIBUTYL PHOSPHATE	MATTHESON	0.000	0.264	0.000	0.000		167	08/01/94	/ /	/ /
CI14692	NITROBENZENE	MATTHESON	0.000	0.264	0.000	0.000		167	08/01/94	/ /	/ /
CI14693	CHLOROFORM	MALLINCKRODT	0.000	0.125	0.000	0.000		167	08/01/94	/ /	/ /
CI14694	UNK (PLURONIC L101)	UNK	0.000	0.264	0.000	0.000		167	08/01/94	/ /	/ /
CI14695	COLLODION	MATTHESON	0.000	0.125	0.000	0.000		167	08/01/94	/ /	/ /
CI14696	WD-40	WD-40	0.000	0.070	0.000	0.000		167	08/01/94	/ /	/ /
[illegible]697	CARBON TETRACHLORIDE	MALLINCKRODT	0.000	0.125	0.000	0.000		167	08/01/94	/ /	/ /
C[illegible]701	METHYL ISOBUTYL KEYTONE	MATTHESON	0.000	0.264	0.000	0.000		167	08/01/94	/ /	/ /
CI14698	PENTANE	MATTHESON	0.000	0.792	0.000	0.000		167	08/01/94	/ /	/ /
CI14699	UNK	UNK	0.000	0.079	0.000	0.000		167	08/01/94	/ /	/ /
CI14700	BIS(2-ETHYL)HEXYL HYDROGEN PHOSPHATE	VC CHEMICALS	0.000	0.125	0.000	0.000		167	08/01/94	/ /	/ /
CI14702	VERSENE F-3	FISHER	0.000	0.125	0.000	0.000		167	08/01/94	/ /	/ /
CI14703	BIS(2-ETHYL)HEXYL HYDROGEN PHOSPHATE	VC CHEMICALS	0.000	0.125	0.000	0.000		167	08/01/94	/ /	/ /
CI14704	KRYLON	BORDON	0.000	0.102	0.000	0.000		167	08/01/94	/ /	/ /
CI14705	N DODECANE	ALFA	0.000	0.132	0.000	0.000		167	08/01/94	/ /	/ /
CI14706	TRI-N-BUTYL AMIDE	EASTMAN	0.000	0.132	0.000	0.000		167	08/01/94	/ /	/ /
CI14707	'2,6 DIMETHYL-1-HEPTANOL DI-ISOBUTYLCARBINOL'	MATTHESON	0.000	0.132	0.000	0.000		167	08/01/94	/ /	/ /
CI14708	PENTYL ALCOHOL	MATTHESON	0.000	0.132	0.000	0.000		167	08/01/94	/ /	/ /
CI14709	PUMP OIL	DUOSEAL	0.000	0.264	0.000	0.000		167	08/01/94	/ /	/ /
CI14710	GROUP OF 10 UNKNOWNS IN VOLUMETRIC FLASKS	UNK	0.000	0.132	0.000	0.000		167	08/01/94	/ /	/ /
CI14711	SODIUM HYDROXIDE	MCB	0.000	0.264	0.000	0.000		167	08/01/94	/ /	/ /
CI14712	SODIUM HYDROXIDE	MCB	0.000	0.264	0.000	0.000		167	08/01/94	/ /	/ /
CI14713	SATURATED KCL SOLUTION	BECKMAN	0.000	0.040	0.000	0.000		167	08/01/94	/ /	/ /
CI14714	BUFFER SOLUTION 10	FISHER	0.000	0.132	0.000	0.000		167	08/01/94	/ /	/ /
CI14715	BUFFER SOLUTION 4.63	FISHER	0.000	0.132	0.000	0.000		167	08/01/94	/ /	/ /
CI14716	BUFFER SOLUTION 9	FISHER	0.000	0.132	0.000	0.000		167	08/01/94	/ /	/ /
CI14717	BUFFER SOLUTION 8	FISHER	0.000	0.132	0.000	0.000		167	08/01/94	/ /	/ /
[illegible]718	BUFFER SOLUTION 7	FISHER	0.000	0.132	0.000	0.000		167	08/01/94	/ /	/ /
[illegible]9	BUFFER SOLUTION 7	FISHER	0.000	0.132	0.000	0.000		167	08/01/94	/ /	/ /
C[illegible]20	BUFFER SOLUTION 6	FISHER	0.000	0.132	0.000	0.000		167	08/01/94	/ /	/ /
CI14721	BUFFER SOLUTION 7.4	FISHER	0.000	0.132	0.000	0.000		167	08/01/94	/ /	/ /

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BARCODE	DESCRIPTION	MANU FACTURER	SOLID QUANTITY (POUNDS)	LIQUID QUANTITY (GALLONS)	GAS QUANTITY (CYLNDERS)	MISC. QUANTITY	UNK	ROOM	DATE ENTERED	DATE VERIFIED	DATE DISPOSED
CI14722	BUFFER SOLUTION 5	FISHER	0.000	0.132	0.000	0.000		167	08/01/94	/ /	/ /
CI14723	BUFFER SOLUTION 4	FISHER	0.000	0.132	0.000	0.000		167	08/01/94	/ /	/ /
CI14724	BUFFER SOLUTION 4	FISHER	0.000	0.132	0.000	0.000		167	08/01/94	/ /	/ /
CI14725	BUFFER SOLUTION 3	FISHER	0.000	0.132	0.000	0.000		167	08/01/94	/ /	/ /
CI14791	BUFFER SOLUTION 2.00	FISHER	0.000	0.132	0.000	0.000		167	08/01/94	/ /	/ /
CI14792	BUFFER SOLUTION 2.00	FISHER	0.000	0.132	0.000	0.000		167	08/01/94	/ /	/ /
CI14793	BUFFER SOLUTION 2.00	FISHER	0.000	0.132	0.000	0.000		167	08/01/94	/ /	/ /
CI14794	BUFFER SOLUTION 10	FISHER	0.000	0.132	0.000	0.000		167	08/01/94	/ /	/ /
CI14795	KCL SOLUTION 4 MOLAR	FISHER	0.000	0.004	0.000	0.000		167	08/01/94	/ /	/ /
CI14796	KCL SOLUTION 4 MOLAR	FISHER	0.000	0.004	0.000	0.000		167	08/01/94	/ /	/ /
CI14797	KCL SOLUTION 4 MOLAR	FISHER	0.000	0.004	0.000	0.000		167	08/01/94	/ /	/ /
CI14798	KCL SOLUTION 4 MOLAR	FISHER	0.000	0.004	0.000	0.000		167	08/01/94	/ /	/ /
CI14799	KCL SOLN (NO CONC.)	FISHER	0.000	0.004	0.000	0.000		167	08/01/94	/ /	/ /
CI14800	INDICATOR	MALLINCKRODT	0.055	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14801	ERIOCHROME BLACK T	BAKER	0.022	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14802	HYDROXYL NAPTHOL BLUE	MALLINCKRODT	0.250	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14803	METHYL RED	GENERAL CHEMICAL	0.062	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14804	PHENOLPHTALEIN	FISHER	0.250	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14805	METHYL ORANGE	GENERAL CHEMICAL	0.062	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14806	CALMAGITE	MALLINCKRODT	0.062	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14807	INDICATOR (9-10)	MALLINCKRODT	0.062	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14808	INDICATOR (8-9)	MALLINCKRODT	0.062	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14809	INDICATOR (7-8)	MALLINCKRODT	0.062	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14810	INDICATOR (6-7)	MALLINCKRODT	0.062	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14811	INDICATOR (5-6)	MALLINCKRODT	0.062	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14812	INDICATOR (4-5)	MALLINCKRODT	0.062	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14813	INDICATOR (3-4)	MALLINCKRODT	0.062	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14814	UNK (ASH CEMENT A OR B)	UNK	0.062	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14815	UNK (G&J)	UNK	0.062	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14816	UNK (BLACK)	UNK(RADIOACTIVE READINGS)	0.330	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14817	UNK	UNK(RADIOACTIVE READINGS)	0.007	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14818	UNK	UNK (RADIOACTIVE READINGS)	0.002	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14819	UNK	UNK (RADIOACTIVE READINGS)	0.002	0.000	0.000	0.000		167	08/01/94	/ /	/ /

CHEMICAL INVENTORY BUILDING REPORT
BY BARCODE

BARCODE	DESCRIPTION	MANU FACTURER	SOLID QUANTITY (POUNDS)	LIQUID QUANTITY (GALLONS)	GAS QUANTITY (CYLNDERS)	MISC. QUANTITY	UNK	ROOM	DATE ENTERED	DATE VERIFIED	DATE DISPOSED
CI14820	GROUP OF LEAD BRICKS		0.000	0.000	0.000	0.000	X	167	08/01/94	/ /	/ /
CI14821	NITRIC ACID	BAKER	0.000	1.030	0.000	0.000		167	08/01/94	/ /	/ /
CI14822	NITRIC ACID	BAKER	0.000	1.030	0.000	0.000		167	08/01/94	/ /	/ /
CI14823	PERCHLORIC ACID 70-80%	BAKER	0.000	1.056	0.000	0.000		167	08/01/94	/ /	/ /
CI14824	SULFURIC ACID	GENERAL CHEMICAL	0.000	1.056	0.000	0.000		167	08/01/94	/ /	/ /
CI14825	UNK (CHROMIC ACID AND SULFURIC ACID)	UNK	0.000	1.056	0.000	0.000		167	08/01/94	/ /	/ /
CI14826	HYDRO IODIC ACID	MALLINCKRODT	0.000	0.132	0.000	0.000		167	08/01/94	/ /	/ /
CI14827	PHOSPHORIC ACID	GENERAL CHEMICAL	0.000	0.132	0.000	0.000		167	08/01/94	/ /	/ /
CI14828	HYDROBROMIC ACID	GENERAL CHEMICAL	0.000	0.125	0.000	0.000		167	08/01/94	/ /	/ /
CI14829	FLUOBORIC	GENERAL CHEMICAL	0.000	0.132	0.000	0.000		167	08/01/94	/ /	/ /
CI14830	PERCHLORIC ACID (70%)	UNK	0.000	0.026	0.000	0.000		167	08/01/94	/ /	/ /
CI14831	HYDROFLOURIC ACID	MALLINCKRODT	0.000	0.132	0.000	0.000		167	08/01/94	/ /	/ /
CI14832	HYDROFLOURIC ACID	BAKER	0.000	0.132	0.000	0.000		167	08/01/94	/ /	/ /
CI14927	NaOH PELLENTS	MALLINCKRODT	1.000	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14928	VERSENE F-3	FISHER	0.000	0.264	0.000	0.000		167	08/01/94	/ /	/ /
CI14929	ZIRCONIUM NITRATE	CITY CHEMICAL	1.000	0.000	0.000	0.000		167	08/01/94	/ /	/ /
[illegible]930	TARTARIC ACID	GENERAL CHEMICAL	1.000	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14931	2-THENOYLTRIFLUORO ACETONE (OR TTA)	MID CONTINENT	1.000	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14932	THIOUREA	BAKER	1.000	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14933	ZINC METAL	GENERAL	1.000	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14934	AQUET LAB DETERGENT	UNK	0.000	0.008	0.000	0.000		167	08/01/94	/ /	/ /
CI14935	POTASSIUM DICHROMATE	GENERAL	1.000	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14936	CHROMOSORB (TEFLON VI)	JONES MANSFIELD	0.500	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14937	SODIUM BI SULFATE	MATTHESON	1.000	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14938	CHROMERGE	MANOSTAT	0.000	0.007	0.000	0.000		167	08/01/94	/ /	/ /
CI14939	CHROMERGE	MANOSTAT	0.000	0.007	0.000	0.000		167	08/01/94	/ /	/ /
CI14940	CHROMERGE	MANOSTAT	0.000	0.007	0.000	0.000		167	08/01/94	/ /	/ /
CI14941	YITTRIUM	UNK	0.002	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14942	SODIUM HYDROXIDE	ACHEMIA	0.000	0.003	0.000	0.000		167	08/01/94	/ /	/ /
CI14943	SODIUM HYDROXIDE	ACHEMIA	0.000	0.003	0.000	0.000		167	08/01/94	/ /	/ /
CI14944	SODIUM HYDROXIDE	ACHEMIA	0.000	0.003	0.000	0.000		167	08/01/94	/ /	/ /
CI14945	HCL (PREP)	ACHEMIA	0.000	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14946	HCL (PREP)	ACHEMIA	0.000	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14947	SULFURIC ACID MIX	ACHEMIA	0.000	0.026	0.000	0.000		167	08/01/94	/ /	/ /
CI14948	HCL MIX	ACHEMIA	0.000	0.026	0.000	0.000		167	08/01/94	/ /	/ /
CI14949	SODIUM CHLORIDE	SARGAENT WELCH	1.000	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14950	SODIUM PERCHLORATE	ALDRICH CO	2.245	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14951	SODIUM PERCHLORATE	ALDRICH CO	2.245	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14952	SODIUM PERCHLORATE	ALDRICH CO	2.245	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14953	SODIUM PERCHLORATE	ALDRICH CO	2.245	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14954	SODIUM PERCHLORATE	ALDRICH CO	2.245	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14955	SODIUM PERCHLORATE	ALDRICH CO	2.245	0.000	0.000	0.000		167	08/01/94	/ /	/ /
[illegible]14956	SODIUM PERCHLORATE	FISHER	1.101	0.000	0.000	0.000		167	08/01/94	/ /	/ /
[illegible]957	SODIUM PERCHLORATE	FISHER	1.101	0.000	0.000	0.000		167	08/01/94	/ /	/ /
[illegible]660	RONSONOL LIGHTER FUEL	RONSON CORP.	0.000	0.035	0.000	0.000		167	08/01/94	/ /	/ /

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CI14661	RONSONOL LIGHTER FUEL	RONSON CORP.	0.000	0.035	0.000	0.000		167	08/01/94	/ /	/ /
CI14662	LOT 6-C YITRIUM	UNK	0.002	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14663	PHFFT AEROSOL DUSTER	FISHER SCIENTIFIC	0.000	0.141	0.000	0.000		167	08/01/94	/ /	/ /
CI14626	CARBON DECOLORIZING	SPECIALTY CHEMICALS DIVISION	1.000	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14627	BARIUM NITRATE	GENERAL CHEMICAL	1.000	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14628	AMMONIUM SULFATE	MALLINCKRODT	1.000	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14629	AMMONIUM SULFATE	MALLINCKRODT	1.000	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14630	BARIUM HYDROXIDE ANHYDROUS	MALLINCKRODT	1.000	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14631	AMMONIUM OXALATE	GENERAL CHEMICAL DIV.	1.000	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14632	BERYLLIUM METAL	UNK METAL ROD	0.000	0.000	0.000	0.000	X	167	08/01/94	/ /	/ /
CI14633	AMMONIUM CITRATE	GENERAL CHEMICAL DIV.	1.000	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14634	AMMONIUM CHLORIDE	GENERAL CHEMICAL DIV.	1.000	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14635	AMMONIUM CHLORIDE	GENERAL CHEMICAL DIV.	1.000	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14636	AMMONIUM NITRATE	FISHER SCIENTIFIC	1.000	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14637	AMMONIUM NITRATE	FISHER SCIENTIFIC	1.000	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14638	AMMONIUM NITRATE	FISHER SCIENTIFIC	1.000	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14639	AMMONIUM ACETATE	GENERAL CHEMICAL DIV.	1.000	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14640	UNFIRED VYCOR	UNK	0.055	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14641	UNFIRED VYCOR	UNK	0.055	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14642	UNFIRED VYCOR	UNK	0.055	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14643	QUARTZ	UNK	0.022	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14644	CITRIC ACID	JT BAKER CHEMICAL CO.	1.000	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14645	CERIC SULFATE SOLUTION	FISHER SCIENTIFIC	0.000	0.264	0.000	0.000		167	08/01/94	/ /	/ /
CI14646	DOWEX ZIK	JT BAKER CHEMICAL CO.	1.000	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14647	DOWEX ZIK	JT BAKER CHEMICAL CO.	1.000	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14648	DOWEY 1-X2	JT BAKER CHEMICAL CO.	1.000	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14649	DOWEY 2-X8	JT BAKER CHEMICAL CO.	1.000	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14650	DOWEY 2-X4	JT BAKER CHEMICAL CO.	1.000	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14651	DOWEY 50WXLB	JT BAKER CHEMICAL CO.	1.000	0.000	0.000	0.000		167	08/01/94	/ /	/ /

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CI14652	DIPHENYLAMINE	JT BAKER CHEMICAL CO.	0.250	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14653	CELITE FILTER ACID (DIATOMACEOUS EARTH)	BIO-RAD LABORATORIES	1.101	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14654	BIO-RAD ZP-1 CATION EXCHANGE CRYSTALS	BIO-RAD LABORATORIES	0.220	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14655	BIO-RAD ZP-1 CATION EXCHANGE CRYSTALS	BIO-RAD LABORATORIES	1.101	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14656	BIO-RAD H2O-1 EXCHANGE CRYSTALS	BIO-RAD LABORATORIES	1.101	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI14657	BIO-RAD H2O-1 EXCHANGE CRYSTALS ZM-1	BIO-RAD LABORATORIES	1.101	0.000	0.000	0.000		167	08/01/94	/ /	/ /
CI21458	SODIUM PHOSPHATE	FISHER	1.101	0.000	0.000	0.000		167	04/26/95	05/03/95	/ /
CI15110	ZINC	JOHNSON	2.245	0.000	0.000	0.000		168	08/01/94	/ /	/ /
CI15111	PALLADIUM	UNK	0.000	0.000	0.000	0.000	X	168	08/01/94	/ /	/ /
CI15112	SULFURIC ACID	UNK	0.000	0.000	0.000	0.000	X	168	08/01/94	/ /	/ /
CI15113	PALLADIUM	UNK	0.000	0.000	0.000	0.000	X	168	08/01/94	/ /	/ /
CI15114	PALLADIUM	SANDIA	0.000	0.000	0.000	0.000	X	168	08/01/94	/ /	/ /
CI15115	PALLADIUM	ENGELHARD	5.507	0.000	0.000	0.000		168	08/01/94	/ /	/ /
CI15116	PALLADIUM	ENGLEHARD	5.507	0.000	0.000	0.000		168	08/01/94	/ /	/ /
CI15117	SPRAY ATOMIZED POWDER	ENGELHARD	4.405	0.000	0.000	0.000		168	08/01/94	/ /	/ /
[illegible]18	PALLADIUM	SANDIA	0.110	0.000	0.000	0.000		168	08/01/94	/ /	/ /
[illegible]19	PALLADIUM	UNK	0.441	0.000	0.000	0.000		168	08/01/94	/ /	/ /
CI15120	SPRAY ATOMIZED OWSER	ENGELHARD	13.216	0.000	0.000	0.000		168	08/01/94	/ /	/ /
CI15121	PALLADIUM	SANDIA	0.000	0.000	0.000	0.000	X	168	08/01/94	/ /	/ /
CI15122	PALLADIUM	UNK	0.000	0.000	0.000	0.000	X	168	08/01/94	/ /	/ /
CI15123	PALLADIUM	UNK	0.000	0.000	0.000	0.000	X	168	08/01/94	/ /	/ /
CI15124	PALLADIUM	ENGELHARD	5.507	0.000	0.000	0.000		168	08/01/94	/ /	/ /
CI15125	PALLADIUM	ENGELHARD	5.507	0.000	0.000	0.000		168	08/01/94	/ /	/ /
CI15126	PALLADIUM RHODIUM ALLOY	UNK	0.661	0.000	0.000	0.000		168	08/01/94	/ /	/ /
CI15127	PALLADIUM RHODIUM ALLOY	UNK	0.661	0.000	0.000	0.000		168	08/01/94	/ /	/ /
CI15128	UNK	UNK	0.000	0.000	0.000	0.000	X	168	08/01/94	/ /	/ /
CI15173	PALLADIUM	UNK	0.000	0.000	0.000	0.000	X	168	08/01/94	/ /	/ /
CI15174	VINYLIDENE FLOURIDE RESIN POWDER	PENNWALT	1.101	0.000	0.000	0.000		168	08/01/94	/ /	/ /
CI15175	UNK	UNK	0.000	0.000	0.000	0.000	X	168	08/01/94	/ /	/ /
CI15176	UNK	UNK	0.000	0.000	0.000	0.000	X	168	08/01/94	/ /	/ /
CI15177	HYDROLIZED ELVAC 40	UNK	0.000	0.000	0.000	0.000	X	168	08/01/94	/ /	/ /
CI15178	PROPYLENE ACRYLIC ACID	UNK	0.000	0.000	0.000	0.000	X	168	08/01/94	/ /	/ /
CI15179	ETHYLENE PROPYLENE DIENE TERPOLYMER	SCIENTIFIC POLYMER PRODUCTS	0.551	0.000	0.000	0.000		168	08/01/94	/ /	/ /
CI15180	ETHYLENE-VINYLACETATE COPOLYMER RESIN	DUPONT	0.000	0.000	0.000	0.000	X	168	08/01/94	/ /	/ /
CI15181	UNK	UNK	0.000	0.000	0.000	0.000	X	168	08/01/94	/ /	/ /
CI15182	CO POLYMER VCE	UNK	0.000	0.000	0.000	0.000	X	168	08/01/94	/ /	/ /
C[illegible]183	ETHYLENE/VINYL ACETATE COPOLYMER	SCIENTIFIC POLYMER PRODUCTS	0.275	0.000	0.000	0.000		168	08/01/94	/ /	/ /
CI15184	UNK	UNK	0.000	0.000	0.000	0.000	X	168	08/01/94	/ /	/ /

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CI15185	POLY METHACRYLIC ACID	SCIENTIFIC POLYMER PRODUCTS	0.110	0.000	0.000	0.000		168	08/01/94	/ /	/ /
CI15186	ETHYLENE ACRYLIC ACID CO POLYMER	SCIENTIFIC POLYMER PRODUCTS	1.101	0.000	0.000	0.000		168	08/01/94	/ /	/ /
CI15187	P.D EVAB	UNK	0.000	0.000	0.000	0.000	X	168	08/01/94	/ /	/ /
CI15188	E/VA/VOH ACETYLATED	UNK	0.000	0.000	0.000	0.000	X	168	08/01/94	/ /	/ /
CI15189	VINYL CHLORIDE/VINYLACETATE/VINYLALCOHOL TERPOLYMER	SCIENTIFIC POLYMER PRODUCTS	0.165	0.000	0.000	0.000		168	08/01/94	/ /	/ /
CI15190	BUTYLMETHACRYLATE-ISOBUTYL-METHACRYLATE CO POLYMER	SCIENTIFIC POLYMER PRODUCTS	1.101	0.000	0.000	0.000		168	08/01/94	/ /	/ /
CI15191	VINYLIDENE CHLORIDE/VINYL CHLORIDE COPOLYMER	SCIENTIFIC POLYMER PRODUCTS	0.441	0.000	0.000	0.000		168	08/01/94	/ /	/ /
CI15192	ETHYL CELLULOSE	SCIENTIFIC POLYMER PRODUCTS	0.275	0.000	0.000	0.000		168	08/01/94	/ /	/ /
CI15193	SURFACTANT 190 NFF	DOW	0.000	0.106	0.000	0.000		168	08/01/94	/ /	/ /
CI15194	P.D EVA-4	UNK	0.000	0.000	0.000	0.000	X	168	08/01/94	/ /	/ /
CI15195	VINYL IDENE CHLORIDE/ACRYLONITRILE CO POLYMER	SCIENTIFIC POLYMER PRODUCT	0.551	0.000	0.000	0.000		168	08/01/94	/ /	/ /
CI15196	VINYLIDENE CHLORIDE/ACRYLONITRILE CO POLYMER	SCIENTIFIC POLYMER PRODUCT	0.551	0.000	0.000	0.000		168	08/01/94	/ /	/ /
CI15197	ETHYLENE/PROPYLENE CO POLYMER	SCIENTIFIC POLYMER PRODUCT	0.551	0.000	0.000	0.000		168	08/01/94	/ /	/ /
CI15265	FT-005	HUNTINGTON MECHANICAL LABS	1.101	0.000	0.000	0.000		168	08/01/94	/ /	/ /
CI15266	WASHED MOLECULAR SIEVE	ALTECH ASSO.	0.110	0.000	0.000	0.000		168	08/01/94	/ /	/ /
CI15267	WASHED MOLECULAR SIEVE	ALTECH ASSO.	0.110	0.000	0.000	0.000		168	08/01/94	/ /	/ /
CI15268	WASHED MOLECULAR SIEVE	ALTECH ASSO.	0.110	0.000	0.000	0.000		168	08/01/94	/ /	/ /
CI15269	WASHED MOLECULAR SIEVE	ALTECH ASSO.	0.110	0.000	0.000	0.000		168	08/01/94	/ /	/ /
CI15270	WASHED MOLECULAR SIEVE	ALTECH ASSO.	0.110	0.000	0.000	0.000		168	08/01/94	/ /	/ /
CI15271	WASHED MOLECULAR SIEVE	ALTECH ASSO.	0.110	0.000	0.000	0.000		168	08/01/94	/ /	/ /
CI15272	PROPYLENE/ETHYLENE /ACRYLIC ACID TERPOLYMER	SCIENTIFIC POLYMER PRODUCTS	1.101	0.000	0.000	0.000		168	08/01/94	/ /	/ /
CI15273	FT-005	HUNTINGTON MECHANICAL LABS	1.101	0.000	0.000	0.000		168	08/01/94	/ /	/ /
CI15274	POLY(BUTADIENE) CO-ACRYLONITRILE	SCIENTIFIC POLYMER PRODUCTS	0.551	0.000	0.000	0.000		168	08/01/94	/ /	/ /
CI20546	CHLORO NAPHALENE	FISHER	0.000	0.125	0.000	0.000		168	08/01/94	/ /	/ /
CI20547	1-PENTANOL	FISHER	0.000	0.125	0.000	0.000		168	08/01/94	/ /	/ /
CI20548	1-PROPANOL	FISHER	0.000	0.264	0.000	0.000		168	08/01/94	/ /	/ /
CI20549	2-PENTANONE	EASTMAN	0.000	0.264	0.000	0.000		168	08/01/94	/ /	/ /
CI20550	ISOPROPANOL	MALLINCKRODT	0.000	0.132	0.000	0.000		168	08/01/94	/ /	/ /
CI20551	GLYCEROL	MALLINCKRODT	0.000	0.132	0.000	0.000		168	08/01/94	/ /	/ /

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CI20552	DIMETHYL SULFOXIDE	FISHER	0.000	0.125	0.000	0.000		168	08/01/94	/ /	/ /
CI20553	TOLUENE	EASTMAN KODAK	0.000	0.066	0.000	0.000		168	08/01/94	/ /	/ /
CI20554	3-PENTANONE	EASTMAN	0.000	0.132	0.000	0.000		168	08/01/94	/ /	/ /
CI20555	TETRAHYDROFURAN	ALDRICH	0.000	0.211	0.000	0.000		168	08/01/94	/ /	/ /
CI20556	NITROMETHANE	FISHER	0.000	0.132	0.000	0.000		168	08/01/94	/ /	/ /
CI20557	N-AMYL ALCOHOL	FISHER	0.000	0.125	0.000	0.000		168	08/01/94	/ /	/ /
CI20558	ISO ALCHOL	MALLINCKRODT	0.000	1.000	0.000	0.000		168	08/01/94	/ /	/ /
CI20559	LIGROINE	FISHER	0.000	5.000	0.000	0.000		168	08/01/94	/ /	/ /
CI20560	WD-40	WD-40 CO.	0.000	0.070	0.000	0.000		168	08/01/94	/ /	/ /
CI20561	PRIMER SEALER	ZINSSER	0.000	0.250	0.000	0.000		168	08/01/94	/ /	/ /
CI20562	PAINT	KRYLON	0.000	0.102	0.000	0.000		168	08/01/94	/ /	/ /
CI20563	PAINT	KRYLON	0.000	0.102	0.000	0.000		168	08/01/94	/ /	/ /
CI20564	PAINT	KRYLON	0.000	0.102	0.000	0.000		168	08/01/94	/ /	/ /
CI20565	LIQUID WRENCH	RADIATOR SPECIALTY CO.	0.000	0.031	0.000	0.000		168	08/01/94	/ /	/ /
CI20566	BUTANE	RONSON	0.000	0.000	1.000	0.000		168	08/01/94	/ /	/ /
CI20567	BUTANE	RONSON	0.000	0.000	1.000	0.000		168	08/01/94	/ /	/ /
CI20568	WASTE	UNK	0.000	1.000	0.000	0.000		168	08/01/94	/ /	/ /
CI20569	SULFUR HEXAFLUORIDE	MATHESON	0.000	0.000	1.000	0.000		168	08/01/94	/ /	/ /
CI15129	UNK	UNK	0.000	0.000	0.000	0.000	X	168	08/01/94	/ /	/ /
CI15130	PALLADUIM BLACK	JOHNSON MATTHEW ELECT	0.002	0.000	0.000	0.000		168	08/01/94	/ /	/ /
[illegible]15131	PD POWDER	SANDIA NATL. LAB.	0.004	0.000	0.000	0.000		168	08/01/94	/ /	/ /
[illegible]5132	PD POWDER	SANDIA NATL. LAB.	0.004	0.000	0.000	0.000		168	08/01/94	/ /	/ /
CI15133	PALLADIUM POWDER 3 CONTAINERS	UNK	0.000	0.000	0.000	0.000	X	168	08/01/94	/ /	/ /
CI15134	5% MICRO CLEANER	UNK	0.000	0.066	0.000	0.000		168	08/01/94	/ /	/ /
CI15135	316 L SS POWDER	UNK	0.000	0.000	0.000	0.000	X	168	08/01/94	/ /	/ /
CI15136	LOCTITE 290 ADHESIVE	LOCTITE CORPORATION	0.000	0.266	0.000	0.000		168	08/01/94	/ /	/ /
CI15137	ACRYLIC ACID 99%	ALFA PRODUCTS	0.000	0.132	0.000	0.000		168	08/01/94	/ /	/ /
CI15138	GLUTARYL DICHORIDE 97%	ALDRICH CHEMICAL CO.	0.000	0.026	0.000	0.000		168	08/01/94	/ /	/ /
CI15139	SEBACYL CHLORIDE	KODAK	0.000	0.026	0.000	0.000		168	08/01/94	/ /	/ /
CI15140	SEBACYL CHLORIDE	KODAK	0.000	0.026	0.000	0.000		168	08/01/94	/ /	/ /
CI15141	SEBACYL CHLORIDE	KODAK	0.000	0.026	0.000	0.000		168	08/01/94	/ /	/ /
CI15142	FLORCO ABSORBANT	UNK	2.000	0.000	0.000	0.000		168	08/01/94	/ /	/ /
CI15143	MICRO LIQUID LABORATORY CLEANER	INTERNATIONAL CORP.	0.000	1.000	0.000	0.000		168	08/01/94	/ /	/ /
CI15144	FREON TF	TEXWIPE CO.	0.000	0.000	1.000	0.000		168	08/01/94	/ /	/ /
CI15145	PALLADIUM POWDER	ENGIL HARD	0.000	0.000	0.000	0.000	X	168	08/01/94	/ /	/ /
CI15146	NITROGEN	AIR PRODUCTS	0.000	0.000	1.000	0.000		168	08/01/94	/ /	/ /
CI15147	HELIUM	AIR PRODUCTS	0.000	0.000	1.000	0.000		168	08/01/94	/ /	/ /
CI15148	LEAK-TEC FORMULA 372 E	AMERICAN GAS & CHEM.	0.000	0.031	0.000	0.000		168	08/01/94	/ /	/ /
CI15149	ACETONE	UNK	0.000	0.066	0.000	0.000		168	08/01/94	/ /	/ /
[illegible]5150	VACUUM PUMP	WELCH	0.000	0.000	0.000	0.000	X	168	08/01/94	/ /	/ /
[illegible]151	DEUTERIUM GAS	MATHESON	0.000	0.000	1.000	0.000		168	08/01/94	/ /	/ /
[illegible]152	HYDROGEN GAS	MATHESON	0.000	0.000	1.000	0.000		168	08/01/94	/ /	/ /
CI15153	PALLADIUM POWDER	ENGELHARD INDUSTRIES	1.126	0.000	0.000	0.000		168	08/01/94	/ /	/ /

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CI15154	PALLADIUM POWDER	ENGELHARD INDUSTRIES	1.044	0.000	0.000	0.000		168	08/01/94	/ /	/ /
CI15155	'HY-STOR CUSTOM ALLOY LAN13, 1MN 1.9'	ERGENICS INC.	1.101	0.000	0.000	0.000		168	08/01/94	/ /	/ /
CI15156	HY-STOR ALLOY 104 22 NI	ERGENICS INC.	2.203	0.000	0.000	0.000		168	08/01/94	/ /	/ /
CI15157	IRON POWDER	UNK	0.000	0.000	0.000	0.000	X	168	08/01/94	/ /	/ /
CI15158	NICKEL POWDER	UNK	0.000	0.000	0.000	0.000	X	168	08/01/94	/ /	/ /
CI15159	PALLADIUM POWDER	UNK	0.000	0.000	0.000	0.000	X	168	08/01/94	/ /	/ /
CI15160	MOLYBDENM	UNK	0.000	0.000	0.000	0.000	X	168	08/01/94	/ /	/ /
CI15161	NICKEL POWDER	UNK	0.000	0.000	0.000	0.000	X	168	08/01/94	/ /	/ /
CI15162	COPPER POWDER	UNK	0.000	0.000	0.000	0.000	X	168	08/01/94	/ /	/ /
CI15163	CHEMICAL TYPE SECONDARY ALCOHOL	UNION CARBIDE	0.000	0.000	0.000	0.000	X	168	08/01/94	/ /	/ /
CI15164	CHEMICAL TYPE SECONDARY ALCOHOL	UNION CARBIDE	0.000	0.000	0.000	0.000	X	168	08/01/94	/ /	/ /
CI15165	CHEMICAL TYPE SECONDARY ALCOHOL	UNION CARBIDE	0.000	0.000	0.000	0.000	X	168	08/01/94	/ /	/ /
CI15166	CHEMICAL TYPE SECONDARY ALCOHOL	UNION CARBIDE	0.000	0.000	0.000	0.000	X	168	08/01/94	/ /	/ /
CI15167	CHEMICAL TYPE SECONDARY ALCOHOL	UNION CARBIDE	0.000	0.000	0.000	0.000	X	168	08/01/94	/ /	/ /
CI15168	ANTI-STATIC SOLUTION	CAHN INSTRUMENTS INC.	0.000	0.047	0.000	0.000		168	08/01/94	/ /	/ /
CI15169	HY-STOR CUSTOM ALLOYS	ERGENICS INC.	0.441	0.000	0.000	0.000		168	08/01/94	/ /	/ /
CI15170	H B-1 SPRAY TAP CUTTING FLUID	'CHEM-TECH, INC.'	0.000	0.125	0.000	0.000		168	08/01/94	/ /	/ /
CI15171	FREON TF	TEXWIPE	0.000	0.000	1.000	0.000		168	08/01/94	/ /	/ /
CI15172	TAP MAGIC CUTTING FLUID	THE STECO CORP.	0.000	0.125	0.000	0.000		168	08/01/94	/ /	/ /
CI20501	TAP MAGIC CUTTING FLUID	THE STECO CORP.	0.000	0.125	0.000	0.000		168	08/01/94	/ /	/ /
CI20502	TAP MAGIC CUTTING FLUID	THE STECO CORP.	0.000	0.125	0.000	0.000		168	08/01/94	/ /	/ /
CI20503	YELLOW .77 WIRE PULLING LUB.	IDEAL INDUSTRIES INC.	0.000	0.125	0.000	0.000		168	08/01/94	/ /	/ /
CI20504	ANTI-SEIZE & LUB. CO.	BOSTIC DIVISION	0.000	0.062	0.000	0.000		168	08/01/94	/ /	/ /
CI20505	HOUSEHOLD OIL	BOYLE-MIDWAY INC.	0.000	0.023	0.000	0.000		168	08/01/94	/ /	/ /
CI20506	ANTI-STATIC SOLUTION	WESTON INSTRUMENTS	0.000	0.025	0.000	0.000		168	08/01/94	/ /	/ /
CI20507	ANTI-STATIC SOLUTION	WESTON INSTRUMENTS	0.000	0.025	0.000	0.000		168	08/01/94	/ /	/ /
CI20508	FLUOROLUBE GREASE-GR 90	FISHER	0.055	0.000	0.000	0.000		168	08/01/94	/ /	/ /
CI20509	BUFFER SOLUTION	RED BIRD INC.	0.000	0.132	0.000	0.000		168	08/01/94	/ /	/ /
CI20510	KLEEN-SURT PLATE CLEANER	DO ALL	0.000	0.117	0.000	0.000		168	08/01/94	/ /	/ /
CI20511	DIFFUSION PUMP FLUID	DOW CORNING CORP.	0.000	0.132	0.000	0.000		168	08/01/94	/ /	/ /
CI20512	CUTTING OIL	CHESTERTON	0.000	0.113	0.000	0.000		168	08/01/94	/ /	/ /
CI20513	321 BONDED LUB. SPRAY	MOLYKOTE	0.000	0.102	0.000	0.000		168	08/01/94	/ /	/ /
CI20514	FLUID GLIDE DRY-FILM	CHEMPLAST INC.	0.000	0.125	0.000	0.000		168	08/01/94	/ /	/ /

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CI20515	NICKEL POWDER	UNK	0.000	0.000	0.000	0.000	X	168	08/01/94	/ /	/ /
CI20516	COPPER POWDER	UNK	0.000	0.000	0.000	0.000	X	168	08/01/94	/ /	/ /
CI20517	NICKEL FOIL	UNK	0.000	0.000	0.000	0.000	X	168	08/01/94	/ /	/ /
CI20518	MOLYBORHUM	UNK	0.000	0.000	0.000	0.000	X	168	08/01/94	/ /	/ /
CI20519	PALLADIUM	UNK	0.000	0.000	0.000	0.000	X	168	08/01/94	/ /	/ /
CI20520	INDIUM	UNK	0.000	0.000	0.000	0.000	X	168	08/01/94	/ /	/ /
CI20521	VACUUM PUMP OIL	INLAND	0.000	1.000	0.000	0.000		168	08/01/94	/ /	/ /
CI20522	VACUUM PUMP OIL	INLAND	0.000	1.000	0.000	0.000		168	08/01/94	/ /	/ /
CI20523	VACUUM PUMP OIL	INLAND	0.000	1.000	0.000	0.000		168	08/01/94	/ /	/ /
CI20524	VACUUM PUMP OIL USED	UNK	0.000	1.000	0.000	0.000		168	08/01/94	/ /	/ /
CI20525	VACUUM PUMP OIL USED	SARGENT-WELCH CO.	0.000	1.000	0.000	0.000		168	08/01/94	/ /	/ /
CI20526	VACUUM PUMP OIL USED	UNK	0.000	1.000	0.000	0.000		168	08/01/94	/ /	/ /
CI20527	PUMP OIL	PFEIFFER BALZERS	0.000	0.000	0.000	0.000	X	168	08/01/94	/ /	/ /
CI20528	PUMP OIL TURBO-MOLE	PFEIFFER BALZERS	0.000	0.000	0.000	0.000	X	168	08/01/94	/ /	/ /
CI20530	PUMP OIL PUMPS & ROOTS PUMPS	PFEIFFER BALZERS	0.000	0.000	0.000	0.000	X	168	08/01/94	/ /	/ /
CI20531	PUMP OIL PUMPS & ROOTS PUMPS	PFEIFFER BALZERS	0.000	0.000	0.000	0.000	X	168	08/01/94	/ /	/ /
CI20532	PUMP OIL PUMPS & ROOTS PUMPS	PFEIFFER BALZERS	0.000	0.000	0.000	0.000	X	168	08/01/94	/ /	/ /
CI20533	BALZERS SOLUTION	PFEIFFER BALZERS	0.000	0.000	0.000	0.000	X	168	08/01/94	/ /	/ /
[illegible]20534	HYDRAULIC FLUID	UNK	0.000	0.000	0.000	0.000	X	168	08/01/94	/ /	/ /
[illegible]535	UNK	UNK	0.000	0.000	0.000	0.000	X	168	08/01/94	/ /	/ /
[illegible]536	PALLADIUM SOLUTION	ENGELHARD	0.000	100.000	0.000	0.000		168	08/01/94	/ /	/ /
CI20537	SILVER RESINATE SOLUTION	ENGELHARD	0.000	100.000	0.000	0.000		168	08/01/94	/ /	/ /
CI20538	UNK	ENGELHARD	0.220	0.000	0.000	0.000		168	08/01/94	/ /	/ /
CI20539	UNK SAMPLES	UNK	0.000	0.000	0.000	0.000	X	168	08/01/94	/ /	/ /
CI20540	NITROGEN	MATHESON	0.000	0.000	1.000	0.000		168	08/01/94	/ /	/ /
CI20541	GAS NON-FLAMABLE	MATHESON	0.000	0.000	1.000	0.000		168	08/01/94	/ /	/ /
CI20542	GAS NON-FLAMABLE	MATHESON	0.000	0.000	1.000	0.000		168	08/01/94	/ /	/ /
CI20543	GRAPHITE	UNOCAL POCO	0.000	0.000	0.000	0.000	X	168	08/01/94	/ /	/ /
CI20544	GRAPHITE	UNOCAL POCO	0.000	0.000	0.000	0.000	X	168	08/01/94	/ /	/ /
CI20545	GRAPHITE	UNION POCO	0.000	0.000	0.000	0.000	X	168	08/01/94	/ /	/ /
CI15275	ACETONE	FISHER	0.000	0.132	0.000	0.000		168	08/01/94	/ /	/ /
CI15276	METHYLENE CHLORIDE	FISHER	0.000	0.000	0.000	0.000		168	08/01/94	/ /	/ /
CI15277	METHYLENE CHLORIDE	FISHER	0.000	0.000	0.000	0.000		168	08/01/94	/ /	/ /
CI15278	METHYLENE CHLORIDE	FISHER	0.000	0.000	0.000	0.000		168	08/01/94	/ /	/ /
CI15279	OCTANE	UNK	0.000	0.000	0.000	0.000	X	168	08/01/94	/ /	/ /
CI15280	LIQUID CLEANER	INTERNATIONAL PROD.	0.000	1.000	0.000	0.000		168	08/01/94	/ /	/ /
CI15281	COTTON SEED OIL	FISHER	0.000	1.056	0.000	0.000		168	08/01/94	/ /	/ /
CI15282	PETROLEUM ETHER	UNK	0.000	0.000	0.000	0.000	X	168	08/01/94	/ /	/ /
CI15283	CYCLOHEXANONE	ALDRICH CHEMICAL	0.000	0.792	0.000	0.000		168	08/01/94	/ /	/ /
CI15284	WD-40	WD-40 CO.	0.000	0.070	0.000	0.000		168	08/01/94	/ /	/ /
CI15285	1-2 DICHLOROETHANE	FISHER	0.000	1.056	0.000	0.000		168	08/01/94	/ /	/ /
CI15286	ETHYLENE GLYCO	MALLINCKRODT	0.000	0.132	0.000	0.000		168	08/01/94	/ /	/ /
CI15287	METHANOL	FISHER	0.000	0.132	0.000	0.000		168	08/01/94	/ /	/ /
CI15288	METHANOL	FISHER	0.000	0.000	0.000	0.000		168	08/01/94	/ /	/ /
CI15289	METHANOL	FISHER	0.000	0.000	0.000	0.000		168	08/01/94	/ /	/ /
[illegible]15290	METHANOL	FISHER	0.000	0.000	0.000	0.000		168	08/01/94	/ /	/ /
[illegible]291	METHANOL	FISHER	0.000	0.000	0.000	0.000		168	08/01/94	/ /	/ /
[illegible]292	HYDROGEN CHECK GASO. 80%	MINE SAFETY APPL. CO.	0.000	0.000	1.000	0.000		168	08/01/94	/ /	/ /

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CI15293	PROPANE FUEL	TURNER WELLER	0.000	0.000	1.000	0.000		168	08/01/94	/ /	/ /
CI15294	LIGHT MINERAL OIL	FISHER	0.000	0.264	0.000	0.000		168	08/01/94	/ /	/ /
CI15295	GAS TORCH	MICROFLAME INC.	0.000	0.000	1.000	0.000		168	08/01/94	/ /	/ /
CI15296	NITROGEN GAS	MATHESON	0.000	0.000	1.000	0.000		168	08/01/94	/ /	/ /
WM005102	STAINLESS STEEL	PODBEILNIA K INC.	1.000	0.000	0.000	0.000		169	08/01/94	/ /	/ /
WM005103	GLASS RINGS	ACE GLASS INC.	1.000	0.000	0.000	0.000		169	08/01/94	/ /	/ /
WM005104	BOROSILICIATE	UNK	1.000	0.000	0.000	0.000		169	08/01/94	/ /	/ /
WM005105	BOILEEZER	FISHER	1.000	0.000	0.000	0.000		169	08/01/94	/ /	/ /
WM005106	UNK	UNK	0.500	0.000	0.000	0.000		169	08/01/94	/ /	/ /
WM005107	DRI-RITE	DRI-RITE	1.000	0.000	0.000	0.000		169	08/01/94	/ /	/ /
WM005108	SODIUM HYDRIED	ALDRICH	0.110	0.000	0.000	0.000		169	08/01/94	/ /	/ /
WM005109	POLY (DIVINYLBENEZE)	AMBERCHRON	0.220	0.000	0.000	0.000		169	08/01/94	/ /	/ /
WM005110	MITSUBISHI CORP.	MCI GEL	0.220	0.000	0.000	0.000		169	08/01/94	/ /	/ /
WM005111	AMBER RESIN	UNK	0.278	0.000	0.000	0.000		169	08/01/94	/ /	/ /
WM005112	AMBERCHROM	UNK	0.275	0.000	0.000	0.000		169	08/01/94	/ /	/ /
WM005113	AMBERCHROM	UNK	0.286	0.000	0.000	0.000		169	08/01/94	/ /	/ /
WM005114	CHROMOTGRAPH RESINS	AMBERCHROM	0.000	0.000	0.000	0.000	X	169	08/01/94	/ /	/ /
WM005115	CHROMOTGRAPH RESINS	AMBERCHROM	0.000	0.000	0.000	0.000	X	169	08/01/94	/ /	/ /
WM005116	SILICA GEL	ADRICH CHEMICALS	0.551	0.000	0.000	0.000		169	08/01/94	/ /	/ /
WM005117	SILICA GEL	ADRICH CHEMICALS	0.275	0.000	0.000	0.000		169	08/01/94	/ /	/ /
WM005118	UNK SAMPLES IN CABINET	UNK	0.000	0.000	0.000	0.000		169	08/01/94	/ /	/ /
WM005119	UNK SAMPLES IN CABINET (20)	UNK	0.000	0.000	0.000	0.000		169	08/01/94	/ /	/ /
WM005120	DIFFUSION PUMP FLUID	CVC PRODUCT	0.000	0.013	0.000	0.000		169	08/01/94	/ /	/ /
WM005121	DIFFUSION PUMP FLUID	DOW CORNING	0.000	0.132	0.000	0.000		169	08/01/94	/ /	/ /
WM005122	ACID SPILLS	SPILL-X-A	2.500	0.000	0.000	0.000		169	08/01/94	/ /	/ /
WM005123	ACID SPILLS	SPILL-X-A	2.500	0.000	0.000	0.000		169	08/01/94	/ /	/ /
WM005124	SOLVENT SPILLS	SPILL-X-S	2.500	0.000	0.000	0.000		169	08/01/94	/ /	/ /
WM005125	SOLVENT SPILLS	SPILL-X-S	2.500	0.000	0.000	0.000		169	08/01/94	/ /	/ /
WM005129	CAUSTIC SPILLS	SPILLS-X-C	2.500	0.000	0.000	0.000		169	08/01/94	/ /	/ /
WM005130	CAUSTIC SPILLS	SPILLS-X-C	2.500	0.000	0.000	0.000		169	08/01/94	/ /	/ /
WM005131	INTERIOR ENAMEL	KRYLON	0.000	0.102	0.000	0.000		169	08/01/94	/ /	/ /
WM005132	ACRYLIC SPRAY	KRYLON	0.000	0.102	0.000	0.000		169	08/01/94	/ /	/ /
WM005133	GRAPHITE	MR. ZIP	0.000	0.016	0.000	0.000		169	08/01/94	/ /	/ /
WM005134	ETHEL ALCOHOL	UNK	0.000	0.066	0.000	0.000		169	08/01/94	/ /	/ /
WM005135	ACETONE	UNK	0.000	0.066	0.000	0.000		169	08/01/94	/ /	/ /
WM005136	PALLADIUM	UNK	0.000	0.066	0.000	0.000		169	08/01/94	/ /	/ /
WM005137	PALLADIUM	UNK	0.000	0.066	0.000	0.000		169	08/01/94	/ /	/ /
WM005138	HALCARBON GREASE	HALCARBON PRODUCTS	0.062	0.000	0.000	0.000		169	08/01/94	/ /	/ /
WM005139	HALCARBON GREASE	HALCARBON PRODUCTS	0.062	0.000	0.000	0.000		169	08/01/94	/ /	/ /
WM005140	HALCARBON GREASE	HALCARBON PRODUCTS	0.062	0.000	0.000	0.000		169	08/01/94	/ /	/ /
WM005141	SLUDGE	UNK	0.000	0.000	0.000	0.000	X	169	08/01/94	/ /	/ /
WM005142	PALLADIUM	UNK	0.000	0.066	0.000	0.000		169	08/01/94	/ /	/ /
WM005143	UNK	UNK	0.000	0.000	0.000	0.000	X	169	08/01/94	/ /	/ /
WM005144	METHANOL	FISHER CHEMICALS	0.000	0.132	0.000	0.000		169	08/01/94	/ /	/ /
WM005145	REFERENCE ELECTRO FILLING SOL.	ORION RESEARCH	0.000	0.016	0.000	0.000		169	08/01/94	/ /	/ /
WM005146	REFERENCE ELECTRO FILLING SOL.	ORION RESEARCH	0.000	0.016	0.000	0.000		169	08/01/94	/ /	/ /

CHEMICAL INVENTORY BUILDING REPORT
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BARCODE	DESCRIPTION	MANU FACTURER	SOLID QUANTITY (POUNDS)	LIQUID QUANTITY (GALLONS)	GAS QUANTITY (CYLNDERS)	MISC. QUANTITY	UNK	ROOM	DATE ENTERED	DATE VERIFIED	DATE DISPOSED
WM005147	TETRAHYDROFLURAN	ADRICH	0.000	1.000	0.000	0.000		169	08/01/94	/ /	/ /
	TETRAHYDROFLURAN	ADRICH	0.000	1.000	0.000	0.000		169	08/01/94	/ /	/ /
	ETHYLENEGLYCOLDRIM ETHYLETHER	ADRICH	0.000	1.000	0.000	0.000		169	08/01/94	/ /	/ /
	ETHYLENEGLYCOLDRIM ETHYLETHER	ADRICH	0.000	1.000	0.000	0.000		169	08/01/94	/ /	/ /
	SODIUM HYDRIDE	ADRICH	0.110	0.000	0.000	0.000		169	08/01/94	/ /	/ /
WM005148	POLYDRIMETHYLSILOX ANE	PETRARCH SYSTEM	0.000	5.000	0.000	0.000		169	08/01/94	/ /	/ /
WM005149	NITROGEN	UNK	0.000	0.000	1.000	0.000		169	08/01/94	/ /	/ /
WM005150	GREASE	APIEZON	0.110	0.000	0.000	0.000		169	08/01/94	/ /	/ /
WM005151	SARURATED KCL SOL.	DOW CORNING	0.000	0.033	0.000	0.000		169	08/01/94	/ /	/ /
WM005152	SARURATED KCL SOL.	DOW CORNING	0.000	0.033	0.000	0.000		169	08/01/94	/ /	/ /
WM005153	SARURATED KCL SOL.	DOW CORNING	0.000	0.033	0.000	0.000		169	08/01/94	/ /	/ /
WM005154	SARURATED KCL SOL.	DOW CORNING	0.000	0.033	0.000	0.000		169	08/01/94	/ /	/ /
WM005155	SARURATED KCL SOL.	DOW CORNING	0.000	0.033	0.000	0.000		169	08/01/94	/ /	/ /
WM005156	SARURATED KCL SOL.	DOW CORNING	0.000	0.033	0.000	0.000		169	08/01/94	/ /	/ /
WM005157	SARURATED KCL SOL.	DOW CORNING	0.000	0.033	0.000	0.000		169	08/01/94	/ /	/ /
WM005158	SARURATED KCL SOL.	DOW CORNING	0.000	0.033	0.000	0.000		169	08/01/94	/ /	/ /
[illegible]05159	SARURATED KCL SOL.	DOW CORNING	0.000	0.033	0.000	0.000		169	08/01/94	/ /	/ /
[illegible]160	SARURATED KCL SOL.	DOW CORNING	0.000	0.033	0.000	0.000		169	08/01/94	/ /	/ /
WM005161	SOLDERING PASTE	OATEY	0.500	0.000	0.000	0.000		169	08/01/94	/ /	/ /
WM005183	ACETONE	UNK	0.000	0.066	0.000	0.000		169	08/01/94	/ /	/ /
WM005184	ETHYL ALCOHOL	UNK	0.000	0.066	0.000	0.000		169	08/01/94	/ /	/ /
WM005185	PIPE THREAD SEALENT	SWANK	0.125	0.000	0.000	0.000		169	08/01/94	/ /	/ /
WM005186	UNK	UNK	0.000	1.000	0.000	0.000		169	08/01/94	/ /	/ /
WM005187	PUMP OIL	FISHEROND	0.000	1.056	0.000	0.000		169	08/01/94	/ /	/ /
WM005188	PUMP OIL	INLAND	0.000	1.056	0.000	0.000		169	08/01/94	/ /	/ /
WM005189	PROPANE	TURNER	0.000	0.000	1.000	0.000		169	08/01/94	/ /	/ /
WM005190	GREASE	DOW CORNING	0.331	0.000	0.000	0.000		169	08/01/94	/ /	/ /
CI20383	TOLUENE	UNK	0.000	0.062	0.000	0.000		169	08/01/94	/ /	/ /
CI20384	ETHYL ALCOHOL	UNK	0.000	0.062	0.000	0.000		169	08/01/94	/ /	/ /
CI20385	6 SAMPLES UNK	UNK	0.000	0.000	0.000	0.000	X	169	08/01/94	/ /	/ /
CI20386	17 UNK SAMPLES	UNK	0.000	0.000	0.000	0.000	X	169	08/01/94	/ /	/ /
CI20387	POLYNETHYLSILOKAND	UNK	0.000	1.000	0.000	0.000		169	08/01/94	/ /	/ /
CI20388	ACETONE	FS (moved to H-103)	0.000	0.132	0.000	0.000		169	08/01/94	12/01/95	/ /
CI20389	ACETONE	FISHER SCIENTIFIC	0.000	0.132	0.000	0.000		169	08/01/94	/ /	/ /
CI20390	ACETONE	FS (moved to H-103)	0.000	0.132	0.000	0.000		169	08/01/94	12/01/95	/ /
CI20391	ACETONE	FS(moved to H-103)	0.000	0.132	0.000	0.000		169	08/01/94	12/01/95	/ /
CI20392	ACETONE	FS(moved to H-103)	0.000	0.132	0.000	0.000		169	08/01/94	12/01/95	/ /
CI20393	ACETONE	FS(moved to H-103)	0.000	0.132	0.000	0.000		169	08/01/94	12/01/95	/ /
CI20394	ACETONE	FS(moved to H-103)	0.000	0.132	0.000	0.000		169	08/01/94	12/01/95	/ /
[illegible]5	ACETONE	FS(moved to H-103)	0.000	0.132	0.000	0.000		169	08/01/94	12/01/95	/ /
CI20399	ETHYL ALCOHOL	MIDWEST GRAIN	0.000	1.000	0.000	0.000		169	08/01/94	/ /	/ /

CHEMICAL INVENTORY BUILDING REPORT
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BARCODE	DESCRIPTION	MANU FACTURER	SOLID QUANTITY (POUNDS)	LIQUID QUANTITY (GALLONS)	GAS QUANTITY (CYLNDERS)	MISC. QUANTITY	UNK	ROOM	DATE ENTERED	DATE VERIFIED	DATE DISPOSED
CI20400	ALCOHOL ABSOLUTE	MIDWEST GRAIN	0.000	1.000	0.000	0.000		169	08/01/94	/ /	/ /
CI20401	TOLUENE	FISHER	0.000	0.132	0.000	0.000		169	08/01/94	/ /	/ /
CI20402	TOLUENE	FISHER	0.000	0.132	0.000	0.000		169	08/01/94	/ /	/ /
CI20403	TOLUENE	FISHER	0.000	0.132	0.000	0.000		169	08/01/94	/ /	/ /
CI20404	TOLUENE	FISHER	0.000	0.132	0.000	0.000		169	08/01/94	/ /	/ /
CI20405	CHLOROFORM WASTE	UNK	0.000	1.000	0.000	0.000		169	08/01/94	/ /	/ /
CI20406	METHANOL	FISHER	0.000	0.132	0.000	0.000		169	08/01/94	/ /	/ /
CI20407	METHANOL	FISHER	0.000	0.132	0.000	0.000		169	08/01/94	/ /	/ /
CI20408	TETRAHYDROFORN	SIGMA-ADRICH	0.000	1.000	0.000	0.000		169	08/01/94	/ /	/ /
CI20409	TETRAHYDROFORN	SIGMA-ADRICH	0.000	1.000	0.000	0.000		169	08/01/94	/ /	/ /
CI20410	TETRAHYDROFORN.	SIGMA-ADRICH	0.000	1.000	0.000	0.000		169	08/01/94	/ /	/ /
CI20411	METHANOL WASTE	UNK	0.000	1.000	0.000	0.000		169	08/01/94	/ /	/ /
CI20412	METHANOL WASTE	UNK	0.000	1.000	0.000	0.000		169	08/01/94	/ /	/ /
CI20413	TETRAHYDROFORM WASTE	UNK	0.000	2.000	0.000	0.000		169	08/01/94	/ /	/ /
CI20414	CHLOFORM WASTE	UNK	0.000	1.000	0.000	0.000		169	08/01/94	/ /	/ /
CI20415	METHANOL	UNK	0.000	1.000	0.000	0.000		169	08/01/94	/ /	/ /
CI20416	ETHANOL	UNK	0.000	1.000	0.000	0.000		169	08/01/94	/ /	/ /
CI20417	UNK	UNK	0.000	1.000	0.000	0.000		169	08/01/94	/ /	/ /
CI20418	DIMETHOXYETHANE	UNK	0.000	1.000	0.000	0.000		169	08/01/94	/ /	/ /
CI20419	DIMETHOXYETHANE	UNK	0.000	1.000	0.000	0.000		169	08/01/94	/ /	/ /
WM003674	LIQUID NITROGEN		0.000	0.000	1.000	0.000		169	08/01/94	/ /	/ /
CI20420	LIQUID PLUMBER	CLOROX	0.000	0.250	0.000	0.000		169	08/01/94	/ /	/ /
CI20421	3-IN-ONE OIL	POYLE-MIDWAY	0.000	0.023	0.000	0.000		169	08/01/94	/ /	/ /
CI20422	3-IN-ONE OIL	POYLE-MIDWAY	0.000	0.023	0.000	0.000		169	08/01/94	/ /	/ /
CI20423	OIL	WILSON	0.000	0.094	0.000	0.000		169	08/01/94	/ /	/ /
CI20424	METHANOL	UNK	0.000	0.000	0.000	0.000	X	169	08/01/94	/ /	/ /
CI20425	METHANOL	UNK	0.000	0.000	0.000	0.000	X	169	08/01/94	/ /	/ /
CI20426	ETHYL ALCOHOL	UNK	0.000	0.053	0.000	0.000		169	08/01/94	/ /	/ /
CI20427	ACETONE	UNK	0.000	0.066	0.000	0.000		169	08/01/94	/ /	/ /
CI20428	METYL ALCOHOL	UNK	0.000	0.066	0.000	0.000		169	08/01/94	/ /	/ /
CI20429	LEAK-TEC	AMER.GAS & CHEMICAL	0.000	0.031	0.000	0.000		169	08/01/94	/ /	/ /
CI20430	RUBATEX ADHESIVE	RUBATEX	0.000	0.125	0.000	0.000		169	08/01/94	/ /	/ /
CI23271	SORBERT PILLOW	CHEMSORE	0.000	0.000	0.000	0.000	X	170	08/01/94	/ /	/ /
CI23272	SPILL-X-C	ANSUE	2.500	0.000	0.000	0.000		170	08/01/94	/ /	/ /
CI23273	SPILL-X-C	ANSUE	2.500	0.000	0.000	0.000		170	08/01/94	/ /	/ /
CI23274	SPILL-X-A	ANSUE	2.500	0.000	0.000	0.000		170	08/01/94	/ /	/ /
CI23275	SPILL-X-A	ANSUE	2.500	0.000	0.000	0.000		170	08/01/94	/ /	/ /
CI23276	SPILL-X-S	ANSUE	2.500	0.000	0.000	0.000		170	08/01/94	/ /	/ /
CI23277	SPILL-X-S	ANSUE	2.500	0.000	0.000	0.000		170	08/01/94	/ /	/ /
CI23278	PERCESION DUSTER	FISHER SCIENTIFIC	0.000	0.141	0.000	0.000		170	08/01/94	/ /	/ /
CI23279	PERCESION DUSTER	FISHER SCIENTIFIC	0.000	0.141	0.000	0.000		170	08/01/94	/ /	/ /
CI23280	SILICO MERCH	ALDRICH CHEMICAL	0.220	0.000	0.000	0.000		170	08/01/94	/ /	/ /
CI23281	HERMANN ZINKE	BREMEN	0.110	0.000	0.000	0.000		170	08/01/94	/ /	/ /
CI23282	HERMANN ZINKE	BREMEN	0.110	0.000	0.000	0.000		170	08/01/94	/ /	/ /
CI23283	HERMANN ZINKE	BREMEN	0.110	0.000	0.000	0.000		170	08/01/94	/ /	/ /
CI23284	HERMANN ZINKE	BREMEN	0.110	0.000	0.000	0.000		170	08/01/94	/ /	/ /
CI23285	HERMANN ZINKE	BREMEN	0.110	0.000	0.000	0.000		170	08/01/94	/ /	/ /
CI23286	HERMANN ZINKE	BREMEN	0.110	0.000	0.000	0.000		170	08/01/94	/ /	/ /
CI23287	SILICO GEL	UNK	0.110	0.000	0.000	0.000		170	08/01/94	/ /	/ /
CI23288	CALCIUM REFERENCE	UNK	0.000	0.000	0.000	0.000	X	170	08/01/94	/ /	/ /
CI23289	MEITHOL	UNK	0.000	0.000	0.000	0.000	X	170	08/01/94	/ /	/ /
CI23290	STROIUM NITRATE	UNK	0.000	0.000	0.000	0.000	X	170	08/01/94	/ /	/ /
CI23291	STRONTIUM REF.	UNK	0.000	0.000	0.000	0.000	X	170	08/01/94	/ /	/ /

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CI23292	MENTHANOL	UNK	0.000	0.000	0.000	0.000	X	170	08/01/94	/ /	/ /
CI23293	ZINC NETIAT	UNK	0.000	0.000	0.000	0.000	X	170	08/01/94	/ /	/ /
CI23294	ZN STANDARD	UNK	0.000	0.000	0.000	0.000	X	170	08/01/94	/ /	/ /
CI23295	STROUIM NITRATE	UNK	0.000	0.000	0.000	0.000	X	170	08/01/94	/ /	/ /
CI23296	SILICONE GEL	UNK	0.000	0.000	0.000	0.000	X	170	08/01/94	/ /	/ /
CI23297	VACUUM PUMP	INLAND	0.000	0.264	0.000	0.000		170	08/01/94	/ /	/ /
CI23298	VACUUM PUMP	INLAND	0.000	0.264	0.000	0.000		170	08/01/94	/ /	/ /
CI23299	VACUUM PUMP	INLAND	0.000	0.264	0.000	0.000		170	08/01/94	/ /	/ /
CI23300	VACUUM PUMP	INLAND	0.000	0.264	0.000	0.000		170	08/01/94	/ /	/ /
CI23301	OIL	PFEIFFER	0.000	0.125	0.000	0.000		170	08/01/94	/ /	/ /
CI23302	OIL	PFEIFFER	0.000	0.125	0.000	0.000		170	08/01/94	/ /	/ /
CI23303	OIL	PFEIFFER	0.000	0.125	0.000	0.000		170	08/01/94	/ /	/ /
CI23304	RHENIUM	UNK	0.000	0.000	0.000	0.000	X	170	08/01/94	/ /	/ /
CI23305	METHANOL WASTE CAN	UNK	0.000	0.000	0.000	0.000	X	170	08/01/94	/ /	/ /
CI13134	WASTE OIL		0.000	0.000	0.000	0.000		171	08/01/94	/ /	/ /
CI13135	STANDARD DRY SILVER PAPER	TEKTRONIX	0.000	0.000	0.000	0.000		171	08/01/94	/ /	/ /
CI13136	STANDARD DRY SILVER PAPER	TEKTRONIX	0.000	0.000	0.000	0.000		171	08/01/94	/ /	/ /
CI13137	STANDARD DRY SILVER PAPER	TEKTRONIX	0.000	0.000	0.000	0.000		171	08/01/94	/ /	/ /
CI13138	STANDARD DRY SILVER PAPER	TEKTRONIX	0.000	0.000	0.000	0.000		171	08/01/94	/ /	/ /
CI13139	MERCURY BATTERIES		0.000	0.000	0.000	0.000	X	171	08/01/94	/ /	/ /
CI13140	PUMP OIL		0.000	0.000	0.000	0.000	X	171	08/01/94	/ /	/ /
CI13141	ULTRAPURE HYDROGEN PEROXIDE 30%	J.T. BAKER CHEM. CO.	0.000	0.119	0.000	0.000		171	08/01/94	/ /	/ /
[illegible]142	SNOOP	NUPRO CO.	0.000	0.062	0.000	0.000		171	08/01/94	/ /	/ /
[illegible]43	TURBO PUMP OIL	PFEIFFER BALQERS	0.000	0.000	0.000	0.000	X	171	08/01/94	/ /	/ /
CI13144	DRIERITE	W.A.HAMMOND CO.	5.000	0.000	0.000	0.000		171	08/01/94	/ /	/ /
CI13145	DRIERITE	W.A.HAMMOND CO.	5.000	0.000	0.000	0.000		171	08/01/94	/ /	/ /
CI13146	DRIERITE	W.A.HAMMOND CO.	5.000	0.000	0.000	0.000		171	08/01/94	/ /	/ /
CI13147	ANALYTICAL MACROPOROUS ANION RESIN	BIO-RAD LAB.	1.000	0.000	0.000	0.000		171	08/01/94	/ /	/ /
CI13148	ANALYTICAL EXCHANGE RESIN H FORM	BIO-RAD LAB.	1.000	0.000	0.000	0.000		171	08/01/94	/ /	/ /
CI13149	ANALYTICAL EXCHANGE RESIN H FORM	BIO-RAD LAB.	1.000	0.000	0.000	0.000		171	08/01/94	/ /	/ /
CI13150	CHARCOAL	SUPELCO INC.	400.000	0.000	0.000	0.000		171	08/01/94	/ /	/ /
CI13151	ELECTRONIC PROTECTIVE COATING	SPACE ENVIROMENT ALLAB	0.000	0.125	0.000	0.000		171	08/01/94	/ /	/ /
CI13152	THERMO COMPOUND	WAREFIELD	0.500	0.000	0.000	0.000		171	08/01/94	/ /	/ /
CI13153	TAP MAJIC	THE STECO CORP.	0.000	0.125	0.000	0.000		171	08/01/94	/ /	/ /
CI13154	ALCOHOL	SHIPP CHEMICAL CO.	0.000	0.016	0.000	0.000		171	08/01/94	/ /	/ /
CI13155	HIGH VACUUM LEAK SEALANT	VACSEAL SPACE LABS	0.000	0.023	0.000	0.000		171	08/01/94	/ /	/ /
CI13156	VACUUM PUMP FLUID		0.000	0.000	0.000	0.000	X	171	08/01/94	/ /	/ /
CI13157	ALUMINUM OXIDE 600 GRIT		0.000	0.000	0.000	0.000	X	171	08/01/94	/ /	/ /
[illegible]8	UNK WHITE POWDER		0.000	0.000	0.000	0.000	X	171	08/01/94	/ /	/ /
CI[illegible]59	SNOOP	NUPRO	0.000	0.062	0.000	0.000		171	08/01/94	/ /	/ /
CI13160	SNOOP	NUPRO	0.000	0.062	0.000	0.000		171	08/01/94	/ /	/ /

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CI13161	ULTIMA GOLD	PACKARD	0.000	1.000	0.000	0.000		171	08/01/94	/ /	/ /
CI13162	MAGNETIC HEAD CLEANER	HEWLETT PACKARD	0.000	0.031	0.000	0.000		171	08/01/94	/ /	/ /
CI13163	AJAX	COLGATE PALMOLIVE	0.000	0.000	0.000	0.000		171	08/01/94	/ /	/ /
CI13164	METHANE CYLINDER		0.000	0.000	1.000	0.000		171	08/01/94	/ /	/ /
CI13165	ASCARITE	THOMAS SCIENTIFIC	1.101	0.000	0.000	0.000		171	08/01/94	/ /	/ /
CI13166	ASCARITE	THOMAS SCIENTIFIC	1.101	0.000	0.000	0.000		171	08/01/94	/ /	/ /
CI13167	SILICA GEL	FISHER SCIENTIFIC	1.101	0.000	0.000	0.000		171	08/01/94	/ /	/ /
CI13168	HELIUM	MATHESON	0.000	0.000	1.000	0.000		171	08/01/94	/ /	12/13/94
CI13169	HELIUM	MATHESON	0.000	0.000	1.000	0.000		171	08/01/94	/ /	01/23/95
CI13170	HELIUM	MATHESON	0.000	0.000	1.000	0.000		171	08/01/94	/ /	/ /
CI13171	HELIUM	MATHESON	0.000	0.000	1.000	0.000		171	08/01/94	/ /	/ /
CI13172	NITRIC ACID	J.T. BAKER CHEMICAL	0.000	0.132	0.000	0.000		171	08/01/94	/ /	/ /
CI13173	NITRIC ACID	J.T. BAKER CHEMICAL	0.000	0.132	0.000	0.000		171	08/01/94	/ /	/ /
CI13174	TH-230 SOURCE		0.000	0.000	0.000	0.000	X	171	08/01/94	/ /	/ /
CI13175	TRITIUM SOURCE		0.000	0.000	1.000	0.000		171	08/01/94	/ /	/ /
CI13176	SR-90 SOURCE		0.000	0.000	0.000	0.000	X	171	08/01/94	/ /	/ /
CI13177	CARBON 14 SOURCE		0.000	0.000	0.000	0.000	X	171	08/01/94	/ /	/ /
CI13178	PALLADIUM SOURCE		0.000	0.000	0.000	0.000	X	171	08/01/94	/ /	/ /
CI13179	AU-238 SOURCE		0.000	0.000	0.000	0.000	X	171	08/01/94	/ /	/ /
CI13180	NITROGEN LINE		0.000	0.000	1.000	0.000		171	08/01/94	/ /	/ /
CI13181	AMONIA CYLINDER		0.000	0.000	1.000	0.000		171	08/01/94	/ /	/ /
WM007390	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/12/95	/ /	05/20/95
WM007389	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/12/95	/ /	05/20/95
WM007388	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/12/95	/ /	05/20/95
WM007387	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/12/95	/ /	05/20/95
WM007386	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/12/95	/ /	05/20/95
WM007385	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/12/95	/ /	05/20/95
WM007384	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/12/95	/ /	05/20/95
WM007383	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/12/95	/ /	05/20/95
WM007382	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/12/95	/ /	05/20/95
WM007381	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/01/95	/ /	05/20/95
WM007380	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/12/95	/ /	05/20/95
WM007379	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/12/95	/ /	05/20/95
WM007378	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/12/95	/ /	05/20/95
WM007377	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/12/95	/ /	05/20/95
WM007376	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/12/95	/ /	05/20/95
WM007375	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/12/95	/ /	05/20/95
WM006775	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/21/95	/ /	06/22/95
WM006774	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/21/95	/ /	06/22/95
WM006773	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/21/95	/ /	06/22/95
WM006772	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/21/95	/ /	06/22/95
WM006771	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/21/95	/ /	06/22/95
WM006770	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/21/95	/ /	06/22/95
WM006769	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/21/95	/ /	06/22/95
WM006768	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/21/95	/ /	06/22/95
WM006767	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/21/95	/ /	06/22/95
WM006766	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/21/95	/ /	06/22/95
WM006765	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/21/95	/ /	06/22/95
WM006764	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/21/95	/ /	06/22/95
WM006763	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/21/95	/ /	06/22/95
WM006762	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/21/95	/ /	06/22/95
WM006761	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/21/95	/ /	06/22/95
WM006760	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/21/95	/ /	06/22/95
WM006759	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/21/95	/ /	06/22/95
WM006758	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/21/95	/ /	06/22/95
WM006757	ULTIMA GOLD	FISHER	0.000	0.264	0.000	0.000		171	06/21/95	/ /	06/22/95
WM006756	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/21/95	/ /	06/22/95

CHEMICAL INVENTORY BUILDING REPORT
BY BARCODE

BARCODE	DESCRIPTION	MANU FACTURER	SOLID QUANTITY (POUNDS)	LIQUID QUANTITY (GALLONS)	GAS QUANTITY (CYLNDERS)	MISC. QUANTITY	UNK	ROOM	DATE ENTERED	DATE VERIFIED	DATE DISPOSED
WM008011	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/21/95	/ /	06/22/95
WM008010	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/21/95	/ /	06/22/95
WM008009	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/21/95	/ /	06/22/95
WM008008	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/21/95	/ /	06/22/95
WM008007	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/21/95	/ /	07/13/95
WM008006	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/21/95	/ /	07/13/95
WM008005	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/21/95	/ /	06/22/95
WM008004	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/21/95	/ /	06/22/95
WM008003	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/21/95	/ /	07/13/95
WM008002	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/21/95	/ /	07/13/95
WM008001	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/21/95	/ /	06/22/95
WM008000	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/21/95	/ /	06/22/95
WM007999	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/21/95	/ /	06/22/95
WM007998	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/21/95	/ /	06/22/95
WM007996	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/21/95	/ /	06/22/95
WM007995	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/21/95	/ /	06/22/95
WM007994	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/21/95	/ /	07/13/95
WM007993	ULTIMA GOLD	FISHER	0.000	0.264	0.000	0.000		171	06/21/95	/ /	07/13/95
WM007992	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/21/95	/ /	06/22/95
WM007991	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/21/95	/ /	06/22/95
WM007788	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/21/95	/ /	07/13/95
WM007787	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/21/95	/ /	07/13/95
WM007786	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/21/95	/ /	07/13/95
WM007785	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/21/95	/ /	07/13/95
WM007784	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/21/95	/ /	07/13/95
WM007783	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/21/95	/ /	07/13/95
WM007782	ULTIMA GOLD	FISHER	0.000	0.264	0.000	0.000		171	06/21/95	/ /	07/13/95
WM007781	ULTIMA GOLD	FISHER	0.000	0.264	0.000	0.000		171	06/21/95	/ /	07/13/95
WM007780	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/21/95	/ /	07/13/95
WM007779	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/21/95	/ /	07/13/95
WM007778	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/21/95	/ /	07/13/95
WM007777	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/21/95	/ /	07/13/95
WM007776	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/21/95	/ /	07/13/95
WM007775	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/21/95	/ /	07/13/95
WM007774	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/21/95	/ /	07/13/95
WM007773	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/21/95	/ /	07/13/95
WM007772	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/21/95	/ /	06/22/95
WM007771	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/21/95	/ /	06/22/95
WM007770	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/21/95	/ /	06/22/95
WM007769	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		171	06/21/95	/ /	06/22/95
WM008298	ULTIMA GOLD		0.000	0.660	0.000	0.000		171	09/12/95	/ /	11/15/95
WM008297	ULTIMA GOLD		0.000	0.660	0.000	0.000		171	09/12/95	/ /	11/15/95
WM008296	ULTIMA GOLD		0.000	0.660	0.000	0.000		171	09/12/95	/ /	11/15/95
WM008295	ULTIMA GOLD		0.000	0.660	0.000	0.000		171	09/12/95	/ /	11/15/95
WM008294	ULTIMA GOLD		0.000	0.660	0.000	0.000		171	09/12/95	/ /	11/15/95
WM008293	ULTIMA GOLD		0.000	0.660	0.000	0.000		171	09/12/95	/ /	11/15/95
WM008292	ULTIMA GOLD		0.000	0.660	0.000	0.000		171	09/12/95	/ /	11/15/95
WM008291	ULTIMA GOLD		0.000	0.660	0.000	0.000		171	09/12/95	/ /	/ /
WM008290	ULTIMA GOLD		0.000	0.660	0.000	0.000		171	09/12/95	/ /	11/15/95
WM008289	ULTIMA GOLD		0.000	0.660	0.000	0.000		171	09/12/95	/ /	11/15/95
WM008288	ULTIMA GOLD		0.000	0.660	0.000	0.000		171	09/12/95	/ /	11/15/95
WM008287	ULTIMA GOLD		0.000	0.660	0.000	0.000		171	09/12/95	/ /	11/15/95
WM008286	ULTIMA GOLD		0.000	0.660	0.000	0.000		171	09/12/95	/ /	11/15/95
WM008285	ULTIMA GOLD		0.000	0.660	0.000	0.000		171	09/12/95	/ /	11/15/95
WM008284	ULTIMA GOLD		0.000	0.660	0.000	0.000		171	09/12/95	/ /	11/15/95
WM008283	ULTIMA GOLD		0.000	0.660	0.000	0.000		171	09/12/95	/ /	11/15/95
WM008282	ULTIMA GOLD		0.000	0.660	0.000	0.000		171	09/12/95	/ /	11/15/95
WM008281	ULTIMA GOLD		0.000	0.660	0.000	0.000		171	09/12/95	/ /	11/15/95
WM008280	ULTIMA GOLD		0.000	0.660	0.000	0.000		171	09/12/95	/ /	11/15/95
WM008279	ULTIMA GOLD		0.000	0.660	0.000	0.000		171	09/12/95	/ /	11/15/95
WM008278	ULTIMA GOLD		0.000	0.660	0.000	0.000		171	09/12/95	/ /	11/15/95
WM008277	ULTIMA GOLD		0.000	0.660	0.000	0.000		171	09/12/95	/ /	11/15/95
WM008276	ULTIMA GOLD		0.000	0.660	0.000	0.000		171	09/12/95	/ /	11/15/95
WM008275	ULTIMA GOLD		0.000	0.660	0.000	0.000		171	09/12/95	/ /	11/15/95

CHEMICAL INVENTORY BUILDING REPORT
BY BARCODE

BARCODE	DESCRIPTION	MANU FACTURER	SOLID QUANTITY (POUNDS)	LIQUID QUANTITY (GALLONS)	GAS QUANTITY (CYLNDERS)	MISC. QUANTITY	UNK	ROOM	DATE ENTERED	DATE VERIFIED	DATE DISPOSED
WM008274	ULTIMA GOLD		0.000	0.660	0.000	0.000		171	09/12/95	/ /	11/15/95
WM008273	ULTIMA GOLD		0.000	0.660	0.000	0.000		171	09/12/95	/ /	11/15/95
WM008272	ULTIMA GOLD		0.000	0.660	0.000	0.000		171	09/12/95	/ /	11/15/95
WM008271	ULTIMA GOLD		0.000	0.660	0.000	0.000		171	09/12/95	/ /	11/15/95
WM008270	ULTIMA GOLD		0.000	0.660	0.000	0.000		171	09/12/95	/ /	11/15/95
WM008269	ULTIMA GOLD		0.000	0.660	0.000	0.000		171	09/12/95	/ /	11/15/95
CI950680	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	10/26/95	/ /	11/30/95
CI950681	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	10/26/95	/ /	11/30/95
CI950682	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	10/26/95	/ /	11/15/95
CI950683	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	10/26/95	/ /	11/15/95
CI950684	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	10/26/95	/ /	11/15/95
CI950685	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	10/26/95	/ /	11/15/95
CI950686	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	10/26/95	/ /	11/15/95
CI950687	Ultima Gold	Packrd	0.000	1.320	0.000	0.000		171	10/26/95	/ /	11/15/95
CI950688	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	10/26/95	/ /	11/15/95
CI950689	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	10/26/95	/ /	11/15/95
CI950690	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	10/26/95	/ /	11/15/95
CI950691	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	10/26/95	/ /	11/15/95
CI950692	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	10/26/95	/ /	11/15/95
CI950693	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	10/26/95	/ /	11/15/95
CI950694	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	10/26/95	/ /	11/15/95
CI950696	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	10/26/95	/ /	11/30/95
CI950697	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	10/26/95	/ /	11/30/95
CI950251	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	10/26/95	/ /	/ /
CI950252	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	10/26/95	/ /	11/30/95
CI950253	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	10/26/95	/ /	11/15/95
CI950254	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	10/26/95	/ /	11/15/95
CI950255	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	10/26/95	/ /	11/15/95
CI950256	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	10/26/95	/ /	11/15/95
CI950258	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	10/26/95	/ /	/ /
CI950259	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	10/26/95	/ /	/ /
CI950260	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	10/26/95	/ /	11/15/95
CI950261	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	10/26/95	/ /	11/15/95
CI950262	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	10/26/95	/ /	11/30/95
CI950263	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	10/26/95	/ /	11/30/95
CI950264	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	10/26/95	/ /	11/15/95
CI950265	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	10/26/95	/ /	11/15/95
CI950266	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	10/31/95	/ /	11/30/95
CI950267	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	10/31/95	/ /	/ /
CI950268	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	10/31/95	/ /	11/15/95
CI950269	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	10/31/95	/ /	11/15/95
CI950270	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	10/31/95	/ /	11/15/95
CI950271	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	10/31/95	/ /	11/15/95
CI950272	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	10/31/95	/ /	11/15/95
CI950273	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	10/31/95	/ /	11/15/95
CI950274	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	10/31/95	/ /	11/30/95
CI950275	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	10/31/95	/ /	11/30/95
CI950276	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	10/31/95	/ /	11/15/95
CI950277	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	10/31/95	/ /	/ /
CI950278	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	10/31/95	/ /	11/15/95
CI950279	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	10/31/95	/ /	11/15/95
CI950280	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	10/31/95	/ /	11/30/95
CI950281	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	10/31/95	/ /	11/30/95
CI950406	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	11/01/95	/ /	11/15/95
CI950407	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	11/01/95	/ /	11/15/95
CI950412	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	11/01/95	/ /	12/15/95
CI950413	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	11/01/95	/ /	12/15/95
CI950414	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	11/01/95	/ /	11/15/95
CI950415	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	11/01/95	/ /	11/15/95
CI950416	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	11/01/95	/ /	/ /
CI950417	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	11/01/95	/ /	/ /
CI950421	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	11/01/95	/ /	11/15/95
CI950422	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	11/01/95	/ /	11/15/95
CI950435	Ultima Gold	Packard	0.000	0.660	0.000	0.000		171	11/01/95	/ /	/ /

CHEMICAL INVENTORY BUILDING REPORT
BY BARCODE

BARCODE	DESCRIPTION	MANU FACTURER	SOLID QUANTITY (POUNDS)	LIQUID QUANTITY (GALLONS)	GAS QUANTITY (CYLNDERS)	MISC. QUANTITY	UNK	ROOM	DATE ENTERED	DATE VERIFIED	DATE DISPOSED
CI950436	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	11/01/95	/ /	/ /
CI950437	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	11/01/95	/ /	11/15/95
CI950438	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	11/01/95	/ /	11/15/95
CI950439	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	11/01/95	/ /	11/15/95
CI950440	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	11/01/95	/ /	11/15/95
CI950441	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	11/01/95	/ /	/ /
CI950442	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	11/01/95	/ /	/ /
CI950443	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	11/01/95	/ /	11/15/95
CI950444	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	11/01/95	/ /	11/15/95
CI950445	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	11/01/95	/ /	11/15/95
CI950446	Ultima Gold	Packard	0.000	1.320	0.000	0.000		171	11/01/95	/ /	11/15/95
CI13182	ASSORTED THORIA WASTE		0.000	0.000	0.000	0.000	X	172	08/01/94	/ /	/ /
CI13183	HALON TANK CYLINDER		0.000	0.000	1.000	0.000		172	08/01/94	/ /	/ /
CI13184	PENETRATING OIL	BORON CO.	0.000	0.031	0.000	0.000		172	08/01/94	/ /	/ /
CI13185	3 IN 1 HOUSEHOLD OIL	BOYLE MIDWAY	0.000	0.023	0.000	0.000		172	08/01/94	/ /	/ /
CI13186	DIRECT DRIVE VACUUM PUMP OIL	ALCATEL	0.000	0.264	0.000	0.000		172	08/01/94	/ /	/ /
CI13187	DIRECT DRIVE VACUUM PUMP OIL	ALCATEL	0.000	0.264	0.000	0.000		172	08/01/94	/ /	/ /
CI13188	UNK TUB	UNK	0.000	0.000	0.000	0.000	X	172	08/01/94	/ /	/ /
CI13189	ETHYL ALCOHOL	MOUND CONTAINER	0.000	0.000	0.000	0.000	X	172	08/01/94	/ /	/ /
CI13190	CHEMICAL & LAB TRASH FROM R-140		0.000	0.000	0.000	0.000	X	172	08/01/94	/ /	/ /
[illegible]3191	LEAD BRICKS		0.000	0.000	0.000	0.000	X	172	08/01/94	/ /	/ /
[illegible]92	LEAD BRICKS		0.000	0.000	0.000	0.000	X	172	08/01/94	/ /	/ /
[illegible]93	AMONIA CYLINDER		0.000	0.000	1.000	0.000		172	08/01/94	/ /	/ /
CI13197	NITROGEN LINE		0.000	0.000	1.000	0.000		172	08/01/94	/ /	/ /
CI13198	RENIUM		0.000	0.000	0.000	0.000	X	172	08/01/94	/ /	/ /
CI13194	AMMONIA & NITROGEN	AIR PRODUCTS	0.000	0.000	1.000	0.000		173	08/01/94	/ /	/ /
CI13195	MARKING CHALK	IRWIN	0.500	0.000	0.000	0.000		173	08/01/94	/ /	/ /
CI13196	AJAX	COLBATE PALMOLIVE	0.875	0.000	0.000	0.000		173	08/01/94	/ /	/ /
RM002186	NO CHEMICALS		0.000	0.000	0.000	0.000		174	08/01/94	/ /	/ /
WM005373	ALUMINUM OXIDE	UNKNOWN	0.000	0.264	0.000	0.000		174	05/08/95	/ /	/ /
	NO CHEMICALS SHOWER		0.000	0.000	0.000	0.000	X	175	08/01/94	/ /	/ /
WM005569	KODAK DEVELOPER D-19	KODAK	1.311	0.000	0.000	0.000		175	08/01/94	/ /	/ /
WM005570	KODAK DEVELOPER D-19	KODAK	1.311	0.000	0.000	0.000		175	08/01/94	/ /	/ /
WM005571	KODAK DEVELOPER D-19	KODAK	1.311	0.000	0.000	0.000		175	08/01/94	/ /	/ /
WM005572	KODAK DEVELOPER D-19	KODAK	1.311	0.000	0.000	0.000		175	08/01/94	/ /	/ /
WM005573	KODAK DEVELOPER D-19	KODAK	1.311	0.000	0.000	0.000		175	08/01/94	/ /	/ /
WM005574	KODAK DEVELOPER D-19	KODAK	1.311	0.000	0.000	0.000		175	08/01/94	/ /	/ /
WM005575	KODAK DEVELOPER D-19	KODAK	1.311	0.000	0.000	0.000		175	08/01/94	/ /	/ /
WM005576	KODAK DEVELOPER D-19	KODAK	1.311	0.000	0.000	0.000		175	08/01/94	/ /	/ /
WM005577	KODAK DEVELOPER D-19	KODAK	1.311	0.000	0.000	0.000		175	08/01/94	/ /	/ /
WM005578	KODAK DEVELOPER D-19	KODAK	1.311	0.000	0.000	0.000		175	08/01/94	/ /	/ /
[illegible]79	KODAK DEVELOPER D-19	KODAK	1.311	0.000	0.000	0.000		175	08/01/94	/ /	/ /
WM005580	KODAK DEVELOPER D-19	KODAK	1.311	0.000	0.000	0.000		175	08/01/94	/ /	/ /

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BARCODE	DESCRIPTION	MANU FACTURER	SOLID QUANTITY (POUNDS)	LIQUID QUANTITY (GALLONS)	GAS QUANTITY (CYLNDERS)	MISC. QUANTITY	UNK	ROOM	DATE ENTERED	DATE VERIFIED	DATE DISPOSED
WM005581	KODAK DEVELOPER D-19	KODAK	1.311	0.000	0.000	0.000		175	08/01/94	/ /	/ /
WM005582	KODAK RAPID FIXER	KODAK	0.000	0.273	0.000	0.000		175	08/01/94	/ /	/ /
WM005583	KODAK RAPID FIXER	KODAK	0.000	0.273	0.000	0.000		175	08/01/94	/ /	/ /
WM005584	KODAK RAPID FIXER	KODAK	0.000	0.273	0.000	0.000		175	08/01/94	/ /	/ /
WM005585	KODAK RAPID FIXER	KODAK	0.000	0.273	0.000	0.000		175	08/01/94	/ /	/ /
WM005586	KODAK RAPID FIXER	KODAK	0.000	0.273	0.000	0.000		175	08/01/94	/ /	/ /
WM005587	KODAK RAPID FIXER	KODAK	0.000	0.273	0.000	0.000		175	08/01/94	/ /	/ /
WM005588	KODAK RAPID FIXER	KODAK	0.000	0.273	0.000	0.000		175	08/01/94	/ /	/ /
WM005589	KODAK RAPID FIXER	KODAK	0.000	0.273	0.000	0.000		175	08/01/94	/ /	/ /
WM005590	KODAK RAPID FIXER	KODAK	0.000	0.273	0.000	0.000		175	08/01/94	/ /	/ /
WM005591	KODAK RAPID FIXER	KODAK	0.000	0.273	0.000	0.000		175	08/01/94	/ /	/ /
WM005592	KODAK RAPID FIXER	KODAK	0.000	0.273	0.000	0.000		175	08/01/94	/ /	/ /
WM005593	KODAK RAPID FIXER	KODAK	0.000	0.273	0.000	0.000		175	08/01/94	/ /	/ /
WM005594	KODAK RAPID FIXER	KODAK	0.000	0.273	0.000	0.000		175	08/01/94	/ /	/ /
WM005595	KODAK RAPID FIXER	KODAK	0.000	0.273	0.000	0.000		175	08/01/94	/ /	/ /
WM005596	KODAK INDUSTREX MANUAL DEVELOPER	KODAK	0.000	5.000	0.000	0.000		175	08/01/94	/ /	/ /
WM005597	KODAK INDUSTREX MANUAL DEVELOPER	KODAK	0.000	5.000	0.000	0.000		175	08/01/94	/ /	/ /
WM005598	KODAK INDUSTREX MANUAL DEVELOPER	KODAK	0.000	5.000	0.000	0.000		175	08/01/94	/ /	/ /
WM005599	KODAK INDUSTREX MANUAL DEVELOPER	KODAK	0.000	5.000	0.000	0.000		175	08/01/94	/ /	/ /
WM005600	PHOTO FLO 200 SOL	KODAK	0.000	0.031	0.000	0.000		175	08/01/94	/ /	/ /
WM005601	KODAK DEVELOPER D-19	KODAK	1.312	0.000	0.000	0.000		175	08/01/94	/ /	/ /
WM005602	KODAK DEVELOPER D-19	KODAK	1.312	0.000	0.000	0.000		175	08/01/94	/ /	/ /
WM006135	PAINT	BURNNING	0.000	1.000	0.000	0.000		175	08/01/94	/ /	/ /
WM006136	PAINT	BURNNING	0.000	1.000	0.000	0.000		175	08/01/94	/ /	/ /
WM006137	PAINT	BURNNING	0.000	1.000	0.000	0.000		175	08/01/94	/ /	/ /
WM006138	PAINT	BURNNING	0.000	1.000	0.000	0.000		175	08/01/94	/ /	/ /
WM006139	PAINT	BURNNING	0.000	1.000	0.000	0.000		175	08/01/94	/ /	/ /
WM006140	PAINT	BURNNING	0.000	0.264	0.000	0.000		175	08/01/94	/ /	/ /
WM006141	PAINT	JOHN DEERE	0.000	1.000	0.000	0.000		175	08/01/94	/ /	/ /
WM005565	LUBRICANT	TEKTRONIC	0.000	0.008	0.000	0.000		176	08/01/94	/ /	/ /
WM005566	PB SOLDER	J.W. HARRIE CO.	224.517	0.000	0.000	0.000		176	08/01/94	/ /	/ /
WM005567	ADHESIVE	SONY	0.000	0.000	0.000	0.000	X	176	08/01/94	/ /	/ /
WM005451	ETHYL ALCOHOL 200 PROOF	AAPER ALCOHOL AND CHEMICAL	0.000	1.000	0.000	0.000		177	08/01/94	/ /	/ /
WM005452	METHYL ALCOHOL	MALLINCKRODT	0.000	0.132	0.000	0.000		177	08/01/94	/ /	/ /
WM005453	XYLENE	FISHER	0.000	1.000	0.000	0.000		177	08/01/94	/ /	/ /
WM005454	METHANOL	UNK	0.000	0.000	0.000	0.000	X	177	08/01/94	/ /	/ /
WM005455	ISOPROPYL ALCOHOL	MALLINCKRODT	0.000	1.000	0.000	0.000		177	08/01/94	/ /	/ /
WM005456	CYCLOHEXANE	BAKER	0.000	0.132	0.000	0.000		177	08/01/94	/ /	/ /
WM005457	METHYL ALCOHOL	MALLINKRODT	0.000	0.132	0.000	0.000		177	08/01/94	/ /	/ /
WM005458	ACETONE	FISHER	0.000	0.132	0.000	0.000		177	08/01/94	/ /	/ /
WM005459	ACETONE	FISHER	0.000	0.132	0.000	0.000		177	08/01/94	/ /	/ /
WM005460	ACETONE	FISHER	0.000	1.000	0.000	0.000		177	08/01/94	/ /	/ /
WM005461	MINERAL OIL	SWAN	0.000	0.125	0.000	0.000		177	08/01/94	/ /	/ /
WM005462	MINERAL OIL	HUNCO	0.000	0.125	0.000	0.000		177	08/01/94	/ /	/ /
WM005463	CHLOROFORM	MALLINCKRODT	0.000	0.132	0.000	0.000		177	08/01/94	/ /	/ /
WM005464	ISOPROPYL ALCOHOL	MCB	0.000	0.132	0.000	0.000		177	08/01/94	/ /	/ /
WM005465	ETHYL ALCOHOL	UNK	0.000	0.066	0.000	0.000		177	08/01/94	/ /	/ /
WM005466	ETHYL ALCOHOL	UNK	0.000	0.066	0.000	0.000		177	08/01/94	/ /	/ /
WM005467	PROPANOL	FISHER	0.000	1.000	0.000	0.000		177	08/01/94	/ /	/ /

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WM005468	PROPANOL	FISHER	0.000	1.000	0.000	0.000		177	08/01/94	/ /	/ /
WM005469	LACQUER	DUPONT	0.000	1.000	0.000	0.000		177	08/01/94	/ /	/ /
WM005470	LACQUER THINNER	SUNNY SIDE	0.000	1.000	0.000	0.000		177	08/01/94	/ /	/ /
WM005471	HEXANE	MCB	0.000	1.000	0.000	0.000		177	08/01/94	/ /	/ /
WM005472	ACETONE	CEM	0.000	1.000	0.000	0.000		177	08/01/94	/ /	/ /
WM005473	ACETONE	FISHER	0.000	1.000	0.000	0.000		177	08/01/94	/ /	/ /
WM005474	TRICHLOROETHYLENE	FISHER	0.000	1.000	0.000	0.000		177	08/01/94	/ /	/ /
WM005475	METHANOL	FISHER	0.000	1.000	0.000	0.000		177	08/01/94	/ /	/ /
WM005476	ORGANIC WASTE	UNK	0.000	0.000	0.000	0.000	X	177	08/01/94	/ /	/ /
WM005477	HYDRAULIC OIL	CLEAVER	0.000	0.132	0.000	0.000		177	08/01/94	/ /	/ /
WM005478	DILUTE MINERAL ACID	UNK	0.000	2.000	0.000	0.000		177	08/01/94	/ /	/ /
WM005479	WASTE	UNK	0.000	2.000	0.000	0.000		177	08/01/94	/ /	/ /
WM005480	SOLDER PASTE	UNK	0.000	0.062	0.000	0.000		177	08/01/94	/ /	/ /
WM005481	SPRAY PAINT	CUSTOM PAK PRODUCTS	0.000	0.047	0.000	0.000		177	08/01/94	/ /	/ /
WM005482	SPRAY PAINT	CUSTOM PAK PRODUCTS	0.000	0.047	0.000	0.000		177	08/01/94	/ /	/ /
WM005483	SPRAY PAINT	CUSTOM PAK PRODUCTS	0.000	0.047	0.000	0.000		177	08/01/94	/ /	/ /
WM005484	SPRAY PAINT	CUSTOM PAK PRODUCTS	0.000	0.047	0.000	0.000		177	08/01/94	/ /	/ /
WM005485	HCL	BAKER	0.000	0.132	0.000	0.000		177	08/01/94	/ /	/ /
WM005486	HF	BAKER	0.000	0.132	0.000	0.000		177	08/01/94	/ /	/ /
WM005487	HNO3	UNK	0.000	0.132	0.000	0.000		177	08/01/94	/ /	/ /
WM005488	UNK	UNK	0.000	0.000	0.000	0.000	X	177	08/01/94	/ /	07/10/95
WM005489	STEEL RESIDUE	UNK	0.000	0.132	0.000	0.000		177	08/01/94	/ /	/ /
WM005490	STEEL RESIDUE	UNK	0.000	0.132	0.000	0.000		177	08/01/94	/ /	/ /
WM005491	WASTE	UNK	1.101	0.000	0.000	0.000		177	08/01/94	/ /	/ /
WM005492	H3PO4	UNK	0.000	0.132	0.000	0.000		177	08/01/94	/ /	/ /
WM005493	HYDROGEN PEROXIDE	UNK	0.000	0.026	0.000	0.000		177	08/01/94	/ /	/ /
WM005494	HNO3	UNK	0.000	0.026	0.000	0.000		177	08/01/94	/ /	/ /
WM005495	H2SO4	MALLINKRODT	0.000	1.000	0.000	0.000		177	08/01/94	/ /	/ /
WM005496	HNO3	FISHER	0.000	1.000	0.000	0.000		177	08/01/94	/ /	/ /
WM005497	H2SO4	UNK	0.000	0.264	0.000	0.000		177	08/01/94	/ /	/ /
WM005498	HNO3 FUMING	BAKER	0.000	0.264	0.000	0.000		177	08/01/94	/ /	/ /
WM005499	HCL	BAKER	0.000	0.132	0.000	0.000		177	08/01/94	/ /	/ /
WM005500	HCL	BAKER	0.000	0.132	0.000	0.000		177	08/01/94	/ /	/ /
WM005501	HCL	BAKER	0.000	0.132	0.000	0.000		177	08/01/94	/ /	/ /
WM005502	HNO3	FISHER	0.000	1.000	0.000	0.000		177	08/01/94	/ /	/ /
WM005503	HNO3	FISHER	0.000	1.000	0.000	0.000		177	08/01/94	/ /	/ /
WM005504	MINERAL ACID WASTE	UNK	0.000	5.000	0.000	0.000		177	08/01/94	/ /	/ /
WM005505	MINERAL ACID WASTE	UNK	0.000	5.000	0.000	0.000		177	08/01/94	/ /	/ /
WM005506	MINERAL ACID WASTE	UNK	0.000	5.000	0.000	0.000		177	08/01/94	/ /	/ /
WM005507	MINERAL ACID WASTE	UNK	0.000	5.000	0.000	0.000		177	08/01/94	/ /	/ /
WM005508	MINERAL ACID WASTE	UNK	0.000	5.000	0.000	0.000		177	08/01/94	/ /	/ /
WM005509	MINERAL ACID WASTE	UNK	0.000	5.000	0.000	0.000		177	08/01/94	/ /	/ /
WM005510	HYDROGEN PEROXIDE	MALLINKRODT	0.000	0.132	0.000	0.000		177	08/01/94	/ /	/ /
WM005511	BUCAIM	BAKER	0.000	0.264	0.000	0.000		177	08/01/94	/ /	/ /
WM005512	TEAM?	BAKER	0.000	0.264	0.000	0.000		177	08/01/94	/ /	/ /
WM005513	WASTE	UNK	0.000	1.000	0.000	0.000		177	08/01/94	/ /	04/27/95
WM005514	TARTARIC ACID	FISHER	1.101	0.000	0.000	0.000		177	08/01/94	/ /	/ /
WM005515	HYDROXYLAMINE HCL	FISHER	0.220	0.000	0.000	0.000		177	08/01/94	/ /	/ /
WM005516	SODIUM ACETATE	BAKER	1.000	0.000	0.000	0.000		177	08/01/94	/ /	/ /
WM005517	TRICHLOROACETIC ACID	BAKER	1.101	0.000	0.000	0.000		177	08/01/94	/ /	/ /
WM005518	UNK	UNK	0.000	0.000	0.000	0.000	X	177	08/01/94	/ /	/ /
WM005519	STAMMONS CL	FISHER	1.101	0.000	0.000	0.000		177	08/01/94	/ /	/ /
WM005520	URANIUM		0.000	0.000	0.000	0.000	X	177	08/01/94	/ /	/ /
WM005521	LITHIUM METABORATE ANHYDROUS REAGENT	GFS	1.000	0.000	0.000	0.000		177	08/01/94	/ /	/ /
WM005522	LITHIUM TETRABORATE	SPECIALTY PRODUCTS	0.220	0.000	0.000	0.000		177	08/01/94	/ /	/ /

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WM005523	LITHIUM TETRABORATE	SPECIALTY PRODUCTS	0.220	0.000	0.000	0.000		177	08/01/94	/ /	/ /
WM005524	LITHIUM TETRABORATE	SPECIALTY PRODUCTS	0.220	0.000	0.000	0.000		177	08/01/94	/ /	/ /
WM005525	LITHIUM TETRABORATE	SPECIALTY PRODUCTS	0.220	0.000	0.000	0.000		177	08/01/94	/ /	/ /
WM005526	LITHIUM TETRABORATE	SPECIALTY PRODUCTS	0.220	0.000	0.000	0.000		177	08/01/94	/ /	/ /
WM005527	LITHIUM TETRABORATE	SPECIALTY PRODUCTS	0.220	0.000	0.000	0.000		177	08/01/94	/ /	/ /
WM005528	DRIERITE	UNK	0.000	0.000	0.000	0.000	X	177	08/01/94	/ /	05/20/95
WM005529	HCL	NIST	0.000	0.000	0.000	0.000	X	177	08/01/94	/ /	/ /
WM005530	HNO3	NIST	0.000	0.000	0.000	0.000	X	177	08/01/94	/ /	07/25/95
WM005531	RUBBER CEMENT	CURTUS	0.000	0.031	0.000	0.000		177	08/01/94	/ /	/ /
WM005532	SODIUM HYDROXIDE	FISHER	6.608	0.000	0.000	0.000		177	08/01/94	/ /	/ /
WM005533	POTASSIUM HYDROXIDE	BAKER	1.000	0.000	0.000	0.000		177	08/01/94	/ /	/ /
WM005126	3 IN 1 OIL	BOYLE MIDWAY INC.	0.000	0.023	0.000	0.000		179	08/01/94	/ /	/ /
WM005127	HARMONIC DRIVE OIL	ENHART	0.000	0.004	0.000	0.000		179	08/01/94	/ /	/ /
WM005128	PUMP OIL	INLAND	0.000	0.264	0.000	0.000		179	08/01/94	/ /	/ /
WM005162	OIL	UNK	0.000	0.000	0.000	0.000	X	179	08/01/94	/ /	/ /
WM005163	NITROGEN	AIR PRODUCTS	0.000	0.000	1.000	0.000		179	08/01/94	/ /	/ /
WM005164	NITROGEN	AIR PRODUCTS	0.000	0.000	1.000	0.000		179	08/01/94	/ /	/ /
WM005165	NITROGEN	AIR PRODUCTS	0.000	0.000	1.000	0.000		179	08/01/94	/ /	/ /
WM005166	HELIUM	AIR PRODUCTS	0.000	0.000	1.000	0.000		179	08/01/94	/ /	/ /
WM005167	ARGON	AIR PRODUCTS	0.000	0.000	1.000	0.000		179	08/01/94	/ /	/ /
WM005168	PUMP OIL	INLAND	0.000	0.264	0.000	0.000		179	08/01/94	/ /	/ /
WM005169	PUMP OIL	INLAND	0.000	0.264	0.000	0.000		179	08/01/94	/ /	/ /
WM005170	PUMP OIL	INLAND	0.000	0.264	0.000	0.000		179	08/01/94	/ /	/ /
WM005171	PUMP OIL	INLAND	0.000	0.264	0.000	0.000		179	08/01/94	/ /	/ /
WM005172	DRI RITE	W.A. HAMMOND	1.000	0.000	0.000	0.000		179	08/01/94	/ /	/ /
WM005173	ACETONE	UNK	0.000	0.066	0.000	0.000		179	08/01/94	/ /	/ /
WM005174	ETHYL ALCOHOL	UNK	0.000	0.066	0.000	0.000		179	08/01/94	/ /	/ /
WM005175	LIQUID NITROGEN	UNK	0.000	0.000	1.000	0.000		179	08/01/94	/ /	/ /
WM005176	LIQUID NITROGEN	UNK	0.000	0.000	1.000	0.000		179	08/01/94	/ /	/ /
WM005177	TI METAL BLACK	UNK	0.000	0.000	0.000	0.000	X	179	08/01/94	/ /	/ /
WM005178	FE POWDER BLACK	UNK	0.000	0.000	0.000	0.000	X	179	08/01/94	/ /	/ /
WM005179	TI HY POWDER BLACK		0.000	0.000	0.000	0.000	X	179	08/01/94	/ /	/ /
WM005180	KCL04	UNK	0.000	0.000	0.000	0.000	X	179	08/01/94	/ /	/ /
WM005181	GROUP OF 50 SAMPLES		0.000	0.000	0.000	0.000	X	179	08/01/94	/ /	/ /
WM005182	GROIUP OF BORON POWDER		0.000	0.000	0.000	0.000	X	179	08/01/94	/ /	/ /
WM005191	TURBO PUMP OIL	VALZER	0.000	0.264	0.000	0.000		179	08/01/94	/ /	/ /
WM005192	ADHESIVE	3M	0.000	0.117	0.000	0.000		179	08/01/94	/ /	/ /
WM005193	ELECTRO LUB.	ELECTRO LUB.	0.000	0.000	0.000	0.000	X	179	08/01/94	/ /	/ /
WM005194	HIGH VACUUM SEALER	UNK	0.000	0.023	0.000	0.000		179	08/01/94	/ /	/ /
WM005200	VACUUM GREASE	DOW CORNING	0.000	0.016	0.000	0.000		179	08/01/94	/ /	/ /
WM005195	GROIUP OF 28 SMALL SAMPLES	UNK	0.000	0.000	0.000	0.000	X	179	08/01/94	/ /	/ /
WM005196	GROUP OF 50 SAMPLES ON SHELF	UNK	0.000	0.000	0.000	0.000	X	179	08/01/94	/ /	/ /
CI14900	ISOPROPYL ALCOHOL	MOUND BOTTLE	0.000	0.132	0.000	0.000		181	08/01/94	/ /	/ /

CHEMICAL INVENTORY BUILDING REPORT
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BARCODE	DESCRIPTION	MANU FACTURER	SOLID QUANTITY (POUNDS)	LIQUID QUANTITY (GALLONS)	GAS QUANTITY (CYLNDERS)	MISC. QUANTITY	UNK	ROOM	DATE ENTERED	DATE VERIFIED	DATE DISPOSED
CI14901	ISOPROPYL ALCOHOL	MOUND BOTTLE	0.000	0.066	0.000	0.000		181	08/01/94	/ /	/ /
CI14902	ETHYL ALCOHOL	MOUND BOTTLE	0.000	0.132	0.000	0.000		181	08/01/94	/ /	/ /
CI14903	POTASSIUM DICHROMATE	MALLINCKRODT	1.000	0.000	0.000	0.000		181	08/01/94	/ /	/ /
CI14904	VACUUM PUMP OIL	UNK	0.000	0.264	0.000	0.000		181	08/01/94	/ /	/ /
CI14905	OIL SAMPLE		0.000	0.007	0.000	0.000		181	08/01/94	/ /	/ /
CI14906	OIL SAMPLE		0.000	0.007	0.000	0.000		181	08/01/94	/ /	/ /
CI14907	METAL		0.000	0.000	0.000	0.000		181	08/01/94	/ /	/ /
CI14908	POTASSIUM DICHROMATE	FISHER SCIENTIFIC	5.000	0.000	0.000	0.000		181	08/01/94	/ /	/ /
CI14909	COMPRESSER METHANE	MATHESON	0.000	0.000	1.000	0.000		181	08/01/94	/ /	/ /
CI14910	SCRAP MERCURY	IN HOUSE CONTAINER	0.000	0.132	0.000	0.000		181	08/01/94	/ /	/ /
CI14911	SCOURING POWDER	WESTERN PACK	0.875	0.000	0.000	0.000		181	08/01/94	/ /	/ /
CI14912	SCOURING POWDER	FITZPATRICK BROTHERS	0.875	0.000	0.000	0.000		181	08/01/94	/ /	/ /
CI14913	SULFURIC ACID	MALLINCKRODT	0.000	1.000	0.000	0.000		181	08/01/94	/ /	/ /
CI14914	PUMP OIL	PFEIFFER BALZERS	0.000	0.125	0.000	0.000		181	08/01/94	/ /	/ /
CI14915	PUMP OIL	PFEIFFER BALZERS	0.000	0.264	0.000	0.000		181	08/01/94	/ /	/ /
CI14916	PUMP OIL	PFEIFFER BALZERS	0.000	0.264	0.000	0.000		181	08/01/94	/ /	/ /
[illegible]917	PUMP OIL	ALCATEL	0.000	0.264	0.000	0.000		181	08/01/94	/ /	/ /
[illegible]18	FREON DEGREASER	MILLER-STEPHENSON INC-	0.000	0.125	0.000	0.000		181	08/01/94	/ /	/ /
CI14919	CLEANER-PLASTIC GLASS METAL	MILLER-STEPHENSON INC	0.000	0.125	0.000	0.000		181	08/01/94	/ /	/ /
CI14920	SILICA GEL	LADD RESEARCH IND.	0.551	0.000	0.000	0.000		181	08/01/94	/ /	/ /
CI14921	DRIRITE	W.A. HAMMOND	1.000	0.000	0.000	0.000		181	08/01/94	/ /	/ /
CI14922	PROPANE	TURNER	0.000	0.000	1.000	0.000		181	08/01/94	/ /	/ /
CI14923	UNK	UNK	0.000	0.000	1.000	0.000		181	08/01/94	/ /	/ /
CI14924	UNK	UNK	0.000	0.000	1.000	0.000		181	08/01/94	/ /	/ /
CI14925	UNK	UNK	0.000	0.000	1.000	0.000		181	08/01/94	/ /	/ /
CI14926	UNK	UNK	0.000	0.000	1.000	0.000		181	08/01/94	/ /	/ /
CI13199	NITROGEN	SCOTT SPECIALTY	0.000	0.000	1.000	0.000		181	08/01/94	/ /	/ /
CI13200	HELIUM	SCOTT SPECIALTY	0.000	0.000	1.000	0.000		181	08/01/94	/ /	/ /
CI13201	NITROGEN \HELIUM	SCOTT SPECIALTY	0.000	0.000	1.000	0.000		181	08/01/94	/ /	/ /
CI13202	NITROGEN	SCOTT SPECIALTY	0.000	0.000	1.000	0.000		181	08/01/94	/ /	/ /
CI13203	XENON	AIR PRODUCTS	0.000	0.000	1.000	0.000		181	08/01/94	/ /	/ /
CI13204	XENON	AIR PRODUCTS	0.000	0.000	1.000	0.000		181	08/01/94	/ /	/ /
CI13205	MODEL PAINT	THE TESTER CORP.	0.000	0.004	0.000	0.000		181	08/01/94	/ /	/ /
CI13206	MODEL PAINT	THE TESTER CORP.	0.000	0.004	0.000	0.000		181	08/01/94	/ /	/ /
[illegible]207	EPOXY HARDENER		0.000	0.000	0.000	0.000		181	08/01/94	/ /	/ /
[illegible]08	5 MINUTE EPOXY		0.000	0.000	0.000	0.000		181	08/01/94	/ /	/ /
C[illegible]09	UNK LIQUID	UNK	0.000	0.033	0.000	0.000		181	08/01/94	/ /	/ /
CI13210	UNK LIQUID	UNK	0.000	0.033	0.000	0.000		181	08/01/94	/ /	/ /

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CI13211	GETTERS	MILAND GETTES	2.203	0.000	0.000	0.000		181	08/01/94	/ /	/ /
CI13212	GETTERS	MILAND GETTES	2.203	0.000	0.000	0.000		181	08/01/94	/ /	/ /
CI13213	GETTERS	MILAND GETTES	2.203	0.000	0.000	0.000		181	08/01/94	/ /	/ /
CI13214	GETTERS	MILAND GETTES	2.203	0.000	0.000	0.000		181	08/01/94	/ /	/ /
CI13215	GETTERS	MILAND GETTES	2.203	0.000	0.000	0.000		181	08/01/94	/ /	/ /
CI13216	SILICONE ELASTOMER KIT	DOW CORNING	1.123	0.000	0.000	0.000		181	08/01/94	/ /	/ /
CI13217	SILICONE ELASTOMER KIT	DOW CORNING	1.123	0.000	0.000	0.000		181	08/01/94	/ /	/ /
CI13218	SILICONE ELASTOMER KIT	DOW CORNING	1.123	0.000	0.000	0.000		181	08/01/94	/ /	/ /
CI13219	HELIUM	AIR PRODUCTS	0.000	0.000	1.000	0.000		181	08/01/94	/ /	/ /
CI13220	HELIUM TEST CYLINDER		0.000	0.000	1.000	0.000		181	08/01/94	/ /	/ /
CI13221	SEM CONDUCTING PAINT	LADD RESEARCH IND.	0.000	0.008	0.000	0.000		181	08/01/94	/ /	/ /
CI13222	HIGH PURITY SILVER PAINT	SPI	0.000	0.008	0.000	0.000		181	08/01/94	/ /	/ /
CI13223	HIGH PURITY SILVER PAINT	SPI	0.000	0.008	0.000	0.000		181	08/01/94	/ /	/ /
CI13224	RUBBER CEMENT	GC ELECTRONICS	0.000	0.016	0.000	0.000		181	08/01/94	/ /	/ /
RM001291	JANITOR CLOSET		0.000	0.000	0.000	0.000		184	08/01/94	/ /	/ /
6058	LOCKTITE	LOCKTITE CO.	0.000	0.013	0.000	0.000		194	08/01/94	/ /	/ /
6059	GREASE	APIEZON	0.000	0.016	0.000	0.000		194	08/01/94	/ /	/ /
6060	LUBRICATING COMPOUND	NEVER-SEEZ	0.250	0.000	0.000	0.000		194	08/01/94	/ /	/ /
6061	PATCH CEMENT	STATE	0.000	0.000	0.000	0.000	X	194	08/01/94	/ /	/ /
6062	COOLANAL	MONSANTO	0.000	5.000	0.000	0.000		194	08/01/94	/ /	/ /
WM006142	PAINT	BURNNING	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
WM006143	PAINT	BURNNING	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
WM006144	PAINT	BURNNING	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
WM006145	PAINT	BURNNING	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
WM006146	PAINT	BURNNING	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
WM006147	PAINT	SHERWIN-WILLIAMS	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
WM006148	PAINT	BURNNING	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
WM006149	PAINT	BURNNING	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
WM006150	PAINT	MAXUM	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
WM006151	PAINT	BENJAMIN MOORE	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
WM006152	PAINT	SHERWIN-WILLIAMS	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
WM006153	PAINT	REGAL	0.000	0.264	0.000	0.000		195	08/01/94	/ /	/ /
WM006154	PAINT	BURNNING	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
WM006155	PAINT	BURNNING	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
6156	CAULK	DAP	0.000	0.080	0.000	0.000		195	08/01/94	/ /	/ /
6157	CAULK	DAP	0.000	0.080	0.000	0.000		195	08/01/94	/ /	/ /
6158	CAULK	DAP	0.000	0.080	0.000	0.000		195	08/01/94	/ /	/ /
6159	CAULK	DAP	0.000	0.080	0.000	0.000		195	08/01/94	/ /	/ /
6160	CAULK	DAP	0.000	0.080	0.000	0.000		195	08/01/94	/ /	/ /
6161	CAULK	DAP	0.000	0.080	0.000	0.000		195	08/01/94	/ /	/ /
6162	GREASE	L E	0.000	0.102	0.000	0.000		195	08/01/94	/ /	/ /
6163	GREASE	L E	0.000	0.102	0.000	0.000		195	08/01/94	/ /	/ /
6164	SEALANT	DOW CORNING	0.000	0.023	0.000	0.000		195	08/01/94	/ /	/ /

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6165	JOINT COMPOUND	DAP	12.000	0.000	0.000	0.000		195	08/01/94	/ /	/ /
6166	JOINT COMPOUND	DAP	12.000	0.000	0.000	0.000		195	08/01/94	/ /	/ /
6167	JOINT COMPOUND	DAP	12.000	0.000	0.000	0.000		195	08/01/94	/ /	/ /
6168	SPACKLING	DAP	0.002	0.000	0.000	0.000		195	08/01/94	/ /	/ /
6169	BASE ADHESIVE	HENRY	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
6170	PAINT	BRUNNING	0.000	0.264	0.000	0.000		195	08/01/94	/ /	/ /
6171	PAINT	BRUNNING	0.000	0.264	0.000	0.000		195	08/01/94	/ /	/ /
6172	FLOOR TILE ADHESIVE	HENRY	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
6173	STAIN KILLER	ZINSSER	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
6174	STAIN KILLER	ZINSSER	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
6175	FLOOR ADHESIVE	HENRY	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
6176	SILICONE	CALGON	0.000	0.094	0.000	0.000		195	08/01/94	/ /	/ /
6177	GLASS FROSTING	ZYROLYTE	0.000	0.094	0.000	0.000		195	08/01/94	/ /	/ /
6178	GLASS FROSTING	ZYROLYTE	0.000	0.094	0.000	0.000		195	08/01/94	/ /	/ /
6179	GROUT	USG	2.500	0.000	0.000	0.000		195	08/01/94	/ /	/ /
6180	ENAMEL PAINT	BRUNING	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
6181	ENAMEL PAINT	BRUNING	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
6182	PAINT	CHESTRON	0.000	0.125	0.000	0.000		195	08/01/94	/ /	/ /
6183	FLOOR TILE ADHESIVE	HENRY	0.000	3.500	0.000	0.000		195	08/01/94	/ /	/ /
6184	FLOOR TILE ADHESIVE	HENRY	0.000	3.500	0.000	0.000		195	08/01/94	/ /	/ /
6185	FLOOR TILE ADHESIVE	HENRY	0.000	3.500	0.000	0.000		195	08/01/94	/ /	/ /
6186	DISINFECTANT	CHARDON	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
6187	COIL CLEANER	CONTINETAL	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
[illegible]88	FLOOR PRIMER	HENRY	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
[illegible]9	FLOOR PRIMER	HENRY	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
[illegible]0	FLOOR PRIMER	HENRY	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
6191	FLOOR PRIMER	HENRY	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
6192	FLOOR PRIMER	HENRY	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
6193	FLOOR PRIMER	HENRY	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
6194	CONCRETE PATCH	STATE CHEMICAL	0.000	6.000	0.000	0.000		195	08/01/94	/ /	/ /
6195	CONCRETE PATCH	STATE CHEMICAL	0.000	6.000	0.000	0.000		195	08/01/94	/ /	/ /
6196	CONCRETE PATCH	STATE CHEMICAL	0.000	6.000	0.000	0.000		195	08/01/94	/ /	/ /
6197	CONCRETE PATCH	STATE CHEMICAL	0.000	6.000	0.000	0.000		195	08/01/94	/ /	/ /
6198	CONCRETE PATCH	STATE CHEMICAL	0.000	6.000	0.000	0.000		195	08/01/94	/ /	/ /
6199	CONCRETE PATCH	STATE CHEMICAL	0.000	6.000	0.000	0.000		195	08/01/94	/ /	/ /
6200	CONCRETE PATCH	STATE CHEMICAL	0.000	6.000	0.000	0.000		195	08/01/94	/ /	/ /
5590	DISINFECTANT SPRAY	BETCO	0.000	0.109	0.000	0.000		195	08/01/94	/ /	/ /
5882	WALL BASE ADHESIVE	ARMSTRONG	0.000	0.264	0.000	0.000		195	08/01/94	/ /	/ /
5883	KRYLON PRIMER	KRYLON	0.000	0.094	0.000	0.000		195	08/01/94	/ /	/ /
5884	KRYLON PRIMER	KRYLON	0.000	0.094	0.000	0.000		195	08/01/94	/ /	/ /
5885	KRYLON PRIMER	KRYLON	0.000	0.094	0.000	0.000		195	08/01/94	/ /	/ /
5886	KRYLON PRIMER	KRYLON	0.000	0.094	0.000	0.000		195	08/01/94	/ /	/ /
5887	EXTERIOR PAINT	KRYLON	0.000	0.094	0.000	0.000		195	08/01/94	/ /	/ /
5888	FROSTED GLASS FINISH	KRYLON	0.000	0.094	0.000	0.000		195	08/01/94	/ /	/ /
5889	COLD GALVANIZE	CRC	0.000	0.117	0.000	0.000		195	08/01/94	/ /	/ /
5890	PVC PIPE CEMENT	PVC	0.000	0.125	0.000	0.000		195	08/01/94	/ /	/ /
5891	GLASS FROSTING	ILLINOIS BRONZE	0.000	0.102	0.000	0.000		195	08/01/94	/ /	/ /
[illegible]92	SPRAY PAINT	SPRUCE	0.000	0.086	0.000	0.000		195	08/01/94	/ /	/ /
[illegible]	SPRAY PAINT	SPRUCE	0.000	0.086	0.000	0.000		195	08/01/94	/ /	/ /
[illegible]	PROTECTIVE COATING PAINT	SEYMOUR	0.000	0.129	0.000	0.000		195	08/01/94	/ /	/ /

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	PROTECTIVE COATING PAINT	SEYMOUR	0.000	0.129	0.000	0.000		195	08/01/94	/ /	/ /
	PROTECTIVE COATING PAINT	SEYMOUR	0.000	0.129	0.000	0.000		195	08/01/94	/ /	/ /
	PROTECTIVE COATING PAINT	SEYMOUR	0.000	0.129	0.000	0.000		195	08/01/94	/ /	/ /
	PROTECTIVE COATING PAINT	SEYMOUR	0.000	0.129	0.000	0.000		195	08/01/94	/ /	/ /
	PROTECTIVE COATING PAINT	SEYMOUR	0.000	0.129	0.000	0.000		195	08/01/94	/ /	/ /
	PROTECTIVE COATING PAINT	SEYMOUR	0.000	0.129	0.000	0.000		195	08/01/94	/ /	/ /
	PROTECTIVE COATING PAINT	SEYMOUR	0.000	0.129	0.000	0.000		195	08/01/94	/ /	/ /
	PROTECTIVE COATING PAINT	SEYMOUR	0.000	0.129	0.000	0.000		195	08/01/94	/ /	/ /
5895	HIGH HEAT SPRAY PAINT	KRYLON	0.000	0.094	0.000	0.000		195	08/01/94	/ /	/ /
5896	SPRAY ADHESIVE	CALGON	0.000	0.086	0.000	0.000		195	08/01/94	/ /	/ /
5897	PROTECTIVE COATING PAINT	HI TECH	0.000	0.117	0.000	0.000		195	08/01/94	/ /	/ /
5898	TOOL MAKERS INK	CROWN	0.000	0.094	0.000	0.000		195	08/01/94	/ /	/ /
5899	TOUCH UP PAINT	HOFFMAN	0.000	0.094	0.000	0.000		195	08/01/94	/ /	/ /
5900	PCV PRIMER	HERCULES	0.000	0.125	0.000	0.000		195	08/01/94	/ /	/ /
	SILICONE ADHESIVE	LOCTITE CORP.	0.000	0.079	0.000	0.000		195	08/01/94	/ /	/ /
	SILICONE ADHESIVE	LOCTITE CORP.	0.000	0.079	0.000	0.000		195	08/01/94	/ /	/ /
	SILICONE ADHESIVE	LOCTITE CORP.	0.000	0.079	0.000	0.000		195	08/01/94	/ /	/ /
	SILICONE ADHESIVE	LOCTITE CORP.	0.000	0.079	0.000	0.000		195	08/01/94	/ /	/ /
	SILICONE ADHESIVE	LOCTITE CORP.	0.000	0.079	0.000	0.000		195	08/01/94	/ /	/ /
	SILICONE ADHESIVE	LOCTITE CORP.	0.000	0.079	0.000	0.000		195	08/01/94	/ /	/ /
5901	SILICONE ADHESIVE	LOCTITE CORP.	0.000	0.079	0.000	0.000		195	08/01/94	/ /	/ /
5902	SPACKLING COMPOUND(FAST IN FINAL)	DAP	0.000	0.250	0.000	0.000		195	08/01/94	/ /	/ /
5903	SPACKLING COMPOUND(FAST IN FINAL)	DAP	0.000	0.250	0.000	0.000		195	08/01/94	/ /	/ /
5904	PVC PRIMER	HERCULES	0.000	0.250	0.000	0.000		195	08/01/94	/ /	/ /
5905	PVC PRIMER	HERCULES	0.000	0.250	0.000	0.000		195	08/01/94	/ /	/ /
5906	PVC PRIMER	HERCULES	0.000	0.250	0.000	0.000		195	08/01/94	/ /	/ /
5907	PLASTIC PIPE FITTING	OATEY	0.000	0.250	0.000	0.000		195	08/01/94	/ /	/ /
5908	PIPE PRIMER	HERCULES	0.000	0.125	0.000	0.000		195	08/01/94	/ /	/ /
5909	PIPE PRIMER	HERCULES	0.000	0.125	0.000	0.000		195	08/01/94	/ /	/ /
5910	PIPE PRIMER	HERCULES	0.000	0.125	0.000	0.000		195	08/01/94	/ /	/ /
5911	PIPE PRIMER	HERCULES	0.000	0.125	0.000	0.000		195	08/01/94	/ /	/ /
5912	OATEY PURPLE PRIMER	OATEY	0.000	0.250	0.000	0.000		195	08/01/94	/ /	/ /
5913	PIPE FITTING	OATEY	0.000	0.250	0.000	0.000		195	08/01/94	/ /	/ /
5914	PIPE SOLVENT CEMENT	OATEY	0.000	0.250	0.000	0.000		195	08/01/94	/ /	/ /
5915	PIPE SOLVENT CEMENT	OATEY	0.000	0.250	0.000	0.000		195	08/01/94	/ /	/ /
5916	BRUNING EPOXY COATING	BRUNING	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
5917	BRUNING EPOXY COATING	BRUNING	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /

CHEMICAL INVENTORY BUILDING REPORT
BY BARCODE

BARCODE	DESCRIPTION	MANU FACTURER	SOLID QUANTITY (POUNDS)	LIQUID QUANTITY (GALLONS)	GAS QUANTITY (CYLNDERS)	MISC. QUANTITY	UNK	ROOM	DATE ENTERED	DATE VERIFIED	DATE DISPOSED
5918	ENAMEL PAINT	SHERWIN WILLIAMS	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
5919	ENAMEL PAINT	SHERWIN WILLIAMS	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
5920	PAINT	ALL PRO	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
5921	GLAZING	DAP	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
5922	PAINT	RUSTOLIUM	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
5923	PAINT	RUSTOLIUM	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
5924	ENAMEL BASE COAT	SHERWIN WILLIAMS	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
5925	SURFACE CONDITION	BRUNING	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
5926	EPOXY COATING	BRUNING	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
5927	LACQUER THINNER	E-Z	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
5928	LACQUER THINNER	E-Z	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
5929	LACQUER THINNER	E-Z	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
5930	LACQUER THINNER	E-Z	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
5931	PAINT THINNER	RECORD SOL.	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
5932	PAINT THINNER	RECORD SOL.	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
5933	PAINT THINNER	PARKS CORP.	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
5934	FLUX (12)	HARRIS	0.000	0.125	0.000	0.000		195	08/01/94	/ /	/ /
5935	SOLDER PASTE (3)	OATEY	0.000	0.125	0.000	0.000		195	08/01/94	/ /	/ /
5936	SOLDER PASTE (3)	OATEY	0.000	0.125	0.000	0.000		195	08/01/94	/ /	/ /
5937	SOLDER PASTE (3)	OATEY	0.000	0.125	0.000	0.000		195	08/01/94	/ /	/ /
5938	SOLDER PASTE	RUBY CHEM CO.	0.000	0.062	0.000	0.000		195	08/01/94	/ /	/ /
[illegible]	#5 SOLDER PASTE	OATEY	1.000	0.000	0.000	0.000		195	08/01/94	/ /	/ /
[illegible]	#5 SOLDER PASTE	OATEY	1.000	0.000	0.000	0.000		195	08/01/94	/ /	/ /
5941	#5 SOLDER PASTE	OATEY	1.000	0.000	0.000	0.000		195	08/01/94	/ /	/ /
5942	#5 SOLDER PASTE	OATEY	1.000	0.000	0.000	0.000		195	08/01/94	/ /	/ /
5943	#5 SOLDER PASTE	OATEY	1.000	0.000	0.000	0.000		195	08/01/94	/ /	/ /
5944	#5 SOLDER PASTE	OATEY	1.000	0.000	0.000	0.000		195	08/01/94	/ /	/ /
5945	OIL	MAGNAFLUX	0.000	0.078	0.000	0.000		195	08/01/94	/ /	/ /
	OIL	MAGNAFLUX	0.000	0.078	0.000	0.000		195	08/01/94	/ /	/ /
	OIL	MAGNAFLUX	0.000	0.078	0.000	0.000		195	08/01/94	/ /	/ /
	OIL	MAGNAFLUX	0.000	0.078	0.000	0.000		195	08/01/94	/ /	/ /
	OIL	MAGNAFLUX	0.000	0.078	0.000	0.000		195	08/01/94	/ /	/ /
	OIL	MAGNAFLUX	0.000	0.078	0.000	0.000		195	08/01/94	/ /	/ /
	OIL	MAGNAFLUX	0.000	0.078	0.000	0.000		195	08/01/94	/ /	/ /
	OIL	MAGNAFLUX	0.000	0.078	0.000	0.000		195	08/01/94	/ /	/ /
	OIL	MAGNAFLUX	0.000	0.078	0.000	0.000		195	08/01/94	/ /	/ /
5946	PENETRANT	SPOT CHECK	0.000	0.078	0.000	0.000		195	08/01/94	/ /	/ /
5947	PENETRANT	SPOT CHECK	0.000	0.078	0.000	0.000		195	08/01/94	/ /	/ /
5948	PENETRANT	SPOT CHECK	0.000	0.078	0.000	0.000		195	08/01/94	/ /	/ /
5949	PENETRANT	SPOT CHECK	0.000	0.078	0.000	0.000		195	08/01/94	/ /	/ /
5950	DEVELOPER	MAGNAFLUX CORP.	0.000	0.047	0.000	0.000		195	08/01/94	/ /	/ /
5818	DEVELOPER	MAGNAFLUX CORP.	0.000	0.047	0.000	0.000		195	08/01/94	/ /	/ /
5819	DEVELOPER	MAGNAFLUX CORP.	0.000	0.047	0.000	0.000		195	08/01/94	/ /	/ /
5817	DEVELOPER CANS	MAGNAFLUX CORP.	0.000	0.109	0.000	0.000		195	08/01/94	/ /	/ /
	DEVELOPER CANS	MAGNAFLUX CORP.	0.000	0.109	0.000	0.000		195	08/01/94	/ /	/ /
	DEVELOPER CANS	MAGNAFLUX CORP.	0.000	0.109	0.000	0.000		195	08/01/94	/ /	/ /
	DEVELOPER CANS	MAGNAFLUX CORP.	0.000	0.109	0.000	0.000		195	08/01/94	/ /	/ /
	DEVELOPER CANS	MAGNAFLUX CORP.	0.000	0.109	0.000	0.000		195	08/01/94	/ /	/ /

CHEMICAL INVENTORY BUILDING REPORT
BY BARCODE

BARCODE	DESCRIPTION	MANU FACTURER	SOLID QUANTITY (POUNDS)	LIQUID QUANTITY (GALLONS)	GAS QUANTITY (CYLNDERS)	MISC. QUANTITY	UNK	ROOM	DATE ENTERED	DATE VERIFIED	DATE DISPOSED
	DEVELOPER CANS	MAGNAFLUX CORP.	0.000	0.109	0.000	0.000		195	08/01/94	/ /	/ /
	DEVELOPER CANS	MAGNAFLUX CORP.	0.000	0.109	0.000	0.000		195	08/01/94	/ /	/ /
	DEVELOPER CANS	MAGNAFLUX CORP.	0.000	0.109	0.000	0.000		195	08/01/94	/ /	/ /
	DEVELOPER CANS	MAGNAFLUX CORP.	0.000	0.109	0.000	0.000		195	08/01/94	/ /	/ /
	DEVELOPER CANS	MAGNAFLUX CORP.	0.000	0.109	0.000	0.000		195	08/01/94	/ /	/ /
	DEVELOPER CANS	MAGNAFLUX CORP.	0.000	0.109	0.000	0.000		195	08/01/94	/ /	/ /
	DEVELOPER CANS	MAGNAFLUX CORP.	0.000	0.109	0.000	0.000		195	08/01/94	/ /	/ /
	DEVELOPER CANS	MAGNAFLUX CORP.	0.000	0.109	0.000	0.000		195	08/01/94	/ /	/ /
	DEVELOPER CANS	MAGNAFLUX CORP.	0.000	0.109	0.000	0.000		195	08/01/94	/ /	/ /
	DEVELOPER CANS	MAGNAFLUX CORP.	0.000	0.109	0.000	0.000		195	08/01/94	/ /	/ /
	DEVELOPER CANS	MAGNAFLUX CORP.	0.000	0.109	0.000	0.000		195	08/01/94	/ /	/ /
	DEVELOPER CANS	MAGNAFLUX CORP.	0.000	0.109	0.000	0.000		195	08/01/94	/ /	/ /
6048	FLUX	STAY CLEAN	0.000	0.264	0.000	0.000		195	08/01/94	/ /	/ /
6047	THREAD SEALER	LA-CO	0.000	0.062	0.000	0.000		195	08/01/94	/ /	/ /
6049	COOLANT	MILLER	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
6050	COOLANT	MILLER	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
6051	COOLANT	MILLER	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
6052	COOLANT	MILLER	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
6053	COOLANT	MILLER	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
6054	COOLANT	MILLER	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
6055	COOLANT	MILLER	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
6056	COOLANT	MILLER	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
6057	COOLANT	MILLER	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
6063	GREASE	LUBRIPLATE	0.000	0.113	0.000	0.000		195	08/01/94	/ /	/ /
6064	GREASE	LUBRIPLATE	0.000	0.113	0.000	0.000		195	08/01/94	/ /	/ /
6065	GREASE	LUBRIPLATE	0.000	0.113	0.000	0.000		195	08/01/94	/ /	/ /
6066	GREASE	LUBRIPLATE	0.000	0.113	0.000	0.000		195	08/01/94	/ /	/ /
6067	GREASE	LUBRIPLATE	0.000	0.113	0.000	0.000		195	08/01/94	/ /	/ /
6068	GREASE	LUBRIPLATE	0.000	0.113	0.000	0.000		195	08/01/94	/ /	/ /
6069	GREASE	LUBRIPLATE	0.000	0.113	0.000	0.000		195	08/01/94	/ /	/ /
6070	GREASE	LUBRIPLATE	0.000	0.113	0.000	0.000		195	08/01/94	/ /	/ /
6071	GREASE	LUBRIPLATE	0.000	0.113	0.000	0.000		195	08/01/94	/ /	/ /
6072	GREASE	LUBRIPLATE	0.000	0.113	0.000	0.000		195	08/01/94	/ /	/ /
6073	GREASE	LUBRIPLATE	0.000	0.113	0.000	0.000		195	08/01/94	/ /	/ /
6074	GREASE	LUBRIPLATE	0.000	0.113	0.000	0.000		195	08/01/94	/ /	/ /
6075	GREASE	LUBRIPLATE	0.000	0.113	0.000	0.000		195	08/01/94	/ /	/ /
6076	GREASE	LUBRIPLATE	0.000	0.113	0.000	0.000		195	08/01/94	/ /	/ /
6077	GREASE	LUBRIPLATE	0.000	0.113	0.000	0.000		195	08/01/94	/ /	/ /
6078	GREASE	LUBRIPLATE	0.000	0.113	0.000	0.000		195	08/01/94	/ /	/ /
6079	GREASE	LUBRIPLATE	0.000	0.113	0.000	0.000		195	08/01/94	/ /	/ /
6080	GREASE	LUBRIPLATE	0.000	0.113	0.000	0.000		195	08/01/94	/ /	/ /
6081	GREASE	LUBRIPLATE	0.000	0.113	0.000	0.000		195	08/01/94	/ /	/ /
6082	GREASE	LUBRIPLATE	0.000	0.113	0.000	0.000		195	08/01/94	/ /	/ /
6083	GREASE	LUBRIPLATE	0.000	0.113	0.000	0.000		195	08/01/94	/ /	/ /
6084	LACQURE THINNER	DALY	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
6085	OIL	WD-40 CO.	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
6086	ANTI SEIZE	BOSTIK	0.250	0.000	0.000	0.000		195	08/01/94	/ /	/ /
6087	ANTI SEIZE	BOSTIK	0.250	0.000	0.000	0.000		195	08/01/94	/ /	/ /
6088	ANTI SEIZE	BOSTIK	0.250	0.000	0.000	0.000		195	08/01/94	/ /	/ /
6089	ANTI SEIZE	BOSTIK	0.250	0.000	0.000	0.000		195	08/01/94	/ /	/ /

CHEMICAL INVENTORY BUILDING REPORT
BY BARCODE

BARCODE	DESCRIPTION	MANU FACTURER	SOLID QUANTITY (POUNDS)	LIQUID QUANTITY (GALLONS)	GAS QUANTITY (CYLNDERS)	MISC. QUANTITY	UNK	ROOM	DATE ENTERED	DATE VERIFIED	DATE DISPOSED
6090	ANTI SEIZE	BOSTIK	0.250	0.000	0.000	0.000		195	08/01/94	/ /	/ /
6091	ANTI SEIZE	BOSTIK	0.250	0.000	0.000	0.000		195	08/01/94	/ /	/ /
6092	ANTI SEIZE	BOSTIK	0.250	0.000	0.000	0.000		195	08/01/94	/ /	/ /
6093	ANTI SEIZE	BOSTIK	0.250	0.000	0.000	0.000		195	08/01/94	/ /	/ /
6094	ANTI SEIZE	BOSTIK	0.250	0.000	0.000	0.000		195	08/01/94	/ /	/ /
6095	ANTI SEIZE	BOSTIK	0.250	0.000	0.000	0.000		195	08/01/94	/ /	/ /
6096	GREASE	A & S	0.000	0.125	0.000	0.000		195	08/01/94	/ /	/ /
6097	WIRE LUBRICANT (5 EACH)	POLY WATER	0.000	0.264	0.000	0.000		195	08/01/94	/ /	/ /
6098	WIRE LUBRICANT (5 EACH)	POLY WATER	0.000	0.264	0.000	0.000		195	08/01/94	/ /	/ /
6099	WIRE LUBRICANT (5 EACH)	POLY WATER	0.000	0.264	0.000	0.000		195	08/01/94	/ /	/ /
6100	WIRE LUBRICANT (5 EACH)	POLY WATER	0.000	0.264	0.000	0.000		195	08/01/94	/ /	/ /
6101	WIRE LUBRICANT (5 EACH)	POLY WATER	0.000	0.264	0.000	0.000		195	08/01/94	/ /	/ /
6102	UNK	UNK	0.000	0.000	0.000	0.000		195	08/01/94	/ /	/ /
6103	PAINT	FLAME CONTROL INC.	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
6104	PAINT	FLAME CONTROL INC.	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
6105	PAINT	FLAME CONTROL INC.	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
[illegible]06	WASTE CONTAINER	UNK	0.000	0.000	0.000	0.000	X	195	08/01/94	/ /	/ /
[illegible]	PAINT	SHERWIN WILLIAMS	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
6108	PAINT	SHERWIN WILLIAMS	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
6109	PAINT	UGL	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
6110	PAINT	BRUMNING	0.000	5.000	0.000	0.000		195	08/01/94	/ /	/ /
6111	DRYWALL PATCH	DAP	25.000	0.000	0.000	0.000		195	08/01/94	/ /	/ /
6112	PAINT	BRUMNING	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
6113	PAINT	BRUMNING	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
6114	PAINT	BRUMNING	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
6115	PAINT	BRUMNING	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
6116	PAINT	BRUMNING	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
6117	PAINT	BRUMNING	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
6118	PAINT	BRUMNING	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
6119	PAINT	BRUMNING	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
6120	PAINT	BRUMNING	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
6121	PAINT	BRUMNING	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
6122	PAINT	BRUMNING	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
6123	PAINT	BRUMNING	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
6124	PAINT	BRUMNING	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
6125	PAINT	BRUMNING	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
6126	PAINT	BRUMNING	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
6127	PAINT	BRUMNING	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
6128	PAINT	BRUMNING	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
6129	PAINT	BRUMNING	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
6130	PAINT	BRUMNING	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
6131	PAINT	BRUMNING	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
6132	PAINT	BRUMNING	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
6133	PAINT	BRUMNING	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
6134	PAINT	BRUMNING	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
5820	LUMBER ADHESIVE	CONTICH	0.000	0.083	0.000	0.000		195	08/01/94	/ /	/ /
5821	ANTI SKID COATING COMPOUND ADHESIVE	RUST-OLIUM	0.000	0.264	0.000	0.000		195	08/01/94	/ /	/ /
[illegible]	SIMI GLOSS PAINT	SHERWIN WILLIAMS	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
	SIMI GLOSS PAINT	SHERWIN WILLIAMS	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /

CHEMICAL INVENTORY BUILDING REPORT
BY BARCODE

BARCODE	DESCRIPTION	MANU FACTURER	SOLID QUANTITY (POUNDS)	LIQUID QUANTITY (GALLONS)	GAS QUANTITY (CYLNDERS)	MISC. QUANTITY	UNK	ROOM	DATE ENTERED	DATE VERIFIED	DATE DISPOSED
5864	ENAMEL PAINT	BRUNING	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
5865	WD-40	WD-40 CO.	0.000	0.070	0.000	0.000		195	08/01/94	/ /	/ /
	WD-40	WD-40 CO.	0.000	0.070	0.000	0.000		195	08/01/94	/ /	/ /
	WD-40	WD-40 CO.	0.000	0.070	0.000	0.000		195	08/01/94	/ /	/ /
	WD-40	WD-40 CO.	0.000	0.070	0.000	0.000		195	08/01/94	/ /	/ /
	WD-40	WD-40 CO.	0.000	0.070	0.000	0.000		195	08/01/94	/ /	/ /
	WD-40	WD-40 CO.	0.000	0.070	0.000	0.000		195	08/01/94	/ /	/ /
	WD-40	WD-40 CO.	0.000	0.070	0.000	0.000		195	08/01/94	/ /	/ /
	WD-40	WD-40 CO.	0.000	0.070	0.000	0.000		195	08/01/94	/ /	/ /
	WD-40	WD-40 CO.	0.000	0.070	0.000	0.000		195	08/01/94	/ /	/ /
	WD-40	WD-40 CO.	0.000	0.070	0.000	0.000		195	08/01/94	/ /	/ /
	WD-40	WD-40 CO.	0.000	0.070	0.000	0.000		195	08/01/94	/ /	/ /
	WD-40	WD-40 CO.	0.000	0.070	0.000	0.000		195	08/01/94	/ /	/ /
	WD-40	WD-40 CO.	0.000	0.070	0.000	0.000		195	08/01/94	/ /	/ /
	WD-40	WD-40 CO.	0.000	0.070	0.000	0.000		195	08/01/94	/ /	/ /
	WD-40	WD-40 CO.	0.000	0.070	0.000	0.000		195	08/01/94	/ /	/ /
	WD-40	WD-40 CO.	0.000	0.070	0.000	0.000		195	08/01/94	/ /	/ /
	WD-40	WD-40 CO.	0.000	0.070	0.000	0.000		195	08/01/94	/ /	/ /
	WD-40	WD-40 CO.	0.000	0.070	0.000	0.000		195	08/01/94	/ /	/ /
	WD-40	WD-40 CO.	0.000	0.070	0.000	0.000		195	08/01/94	/ /	/ /
	WD-40	WD-40 CO.	0.000	0.070	0.000	0.000		195	08/01/94	/ /	/ /
	WD-40	WD-40 CO.	0.000	0.070	0.000	0.000		195	08/01/94	/ /	/ /
	WD-40	WD-40 CO.	0.000	0.070	0.000	0.000		195	08/01/94	/ /	/ /
	WD-40	WD-40 CO.	0.000	0.070	0.000	0.000		195	08/01/94	/ /	/ /
	WD-40	WD-40 CO.	0.000	0.070	0.000	0.000		195	08/01/94	/ /	/ /
5866	MAGIC CUTTING FLUID	THE STECO CORP.	0.000	0.125	0.000	0.000		195	08/01/94	/ /	/ /
	MAGIC CUTTING FLUID	THE STECO CORP.	0.000	0.125	0.000	0.000		195	08/01/94	/ /	/ /
	MAGIC CUTTING FLUID	THE STECO CORP.	0.000	0.125	0.000	0.000		195	08/01/94	/ /	/ /
	MAGIC CUTTING FLUID	THE STECO CORP.	0.000	0.125	0.000	0.000		195	08/01/94	/ /	/ /
	MAGIC CUTTING FLUID	THE STECO CORP.	0.000	0.125	0.000	0.000		195	08/01/94	/ /	/ /
	MAGIC CUTTING FLUID	THE STECO CORP.	0.000	0.125	0.000	0.000		195	08/01/94	/ /	/ /
	MAGIC CUTTING FLUID	THE STECO CORP.	0.000	0.125	0.000	0.000		195	08/01/94	/ /	/ /
	MAGIC CUTTING FLUID	THE STECO CORP.	0.000	0.125	0.000	0.000		195	08/01/94	/ /	/ /
	MAGIC CUTTING FLUID	THE STECO CORP.	0.000	0.125	0.000	0.000		195	08/01/94	/ /	/ /
	MAGIC CUTTING FLUID	THE STECO CORP.	0.000	0.125	0.000	0.000		195	08/01/94	/ /	/ /
	MAGIC CUTTING FLUID	THE STECO CORP.	0.000	0.125	0.000	0.000		195	08/01/94	/ /	/ /
5867	LIQUID WRENCH	RADIATOR SPECIALTY CO	0.000	0.031	0.000	0.000		195	08/01/94	/ /	/ /
	LIQUID WRENCH	RADIATOR SPECIALTY CO	0.000	0.031	0.000	0.000		195	08/01/94	/ /	/ /
	LIQUID WRENCH	RADIATOR SPECIALTY CO	0.000	0.031	0.000	0.000		195	08/01/94	/ /	/ /
	LIQUID WRENCH	RADIATOR SPECIALTY CO	0.000	0.031	0.000	0.000		195	08/01/94	/ /	/ /

CHEMICAL INVENTORY BUILDING REPORT
BY BARCODE

BARCODE	DESCRIPTION	MANU FACTURER	SOLID QUANTITY (POUNDS)	LIQUID QUANTITY (GALLONS)	GAS QUANTITY (CYLNDERS)	MISC. QUANTITY	UNK	ROOM	DATE ENTERED	DATE VERIFIED	DATE DISPOSED
5823	SIMI GLOSS PAINT	SHERWIN WILLIAMS	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
5824	ANTI SKID COATING COMPEL	UNK	0.000	0.264	0.000	0.000		195	08/01/94	/ /	/ /
5826	SEMI GLOSS	SHERWIN WILLIAMS	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
5827	SEMI GLOSS	SHERWIN WILLIAMS	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
5828	SEMI GLOSS	SHERWIN WILLIAMS	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
5829	SEMI GLOSS	SHERWIN WILLIAMS	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
5830	RUSTOLEUINS COATING	RUSTOLEUIN S	0.000	2.000	0.000	0.000		195	08/01/94	/ /	/ /
5831	RUSTOLEUINS COATING	RUSTOLEUIN S	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
5832	INTERIOR ACRYLIC PAINT	BRUNING	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
5833	ENAMUL PAINT	SILATHANE	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
5834	BREAK THROUGH PAINT ENAMEL	BANEX COLOR	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
5835	BREAK THROUGH PAINT ENAMEL	BANEX COLOR	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
5836	BREAK THROUGH PAINT ENAMEL	BANEX COLOR	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
5837	BREAK THROUGH PAINT ENAMEL	BANEX COLOR	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
5838	BREAK THROUGH PAINT ENAMEL	BANEX COLOR	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
5[illegible]	BREAK THROUGH PAINT ENAMEL	BANEX COLOR	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
5840	BREAK THROUGH PAINT ENAMEL	BANEX COLOR	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
5841	EPOXY COATING	BRUNING	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
5842	LATEX FLAT PAINT	BRUNING	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
5843	LATEX FLAT PAINT	BRUNING	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
5844	LATEX FLAT PAINT	BRUNING	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
5845	ACRYLIC ENAMEL PAINT	BRUNING	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
5846	BAKED ENAMEL PAINT	BREAK THROUGH	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
5847	EPOXY	RUSTOLEUM	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
5848	EPOXY	RUSTOLEUM	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
5849	INSULCOLOR PAINT	ARMSTRONG	0.000	3.000	0.000	0.000		195	08/01/94	/ /	/ /
5850	INSULCOLOR PAINT	ARMSTRONG	0.000	3.000	0.000	0.000		195	08/01/94	/ /	/ /
5851	PANEL SEALANT JS-779	TREMCO	0.000	0.086	0.000	0.000		195	08/01/94	/ /	/ /
5852	PANEL SEALANT JS-779	TREMCO	0.000	0.086	0.000	0.000		195	08/01/94	/ /	/ /
5853	PANEL SEALANT JS-779	TREMCO	0.000	0.086	0.000	0.000		195	08/01/94	/ /	/ /
5854	PANEL SEALANT JS-779	TREMCO	0.000	0.086	0.000	0.000		195	08/01/94	/ /	/ /
5855	PANEL SEALANT JS-779	TREMCO	0.000	0.086	0.000	0.000		195	08/01/94	/ /	/ /
5856	CALKING COMPOUND	RELY-ON	0.000	0.082	0.000	0.000		195	08/01/94	/ /	/ /
5857	ENAMEL PAINT	BRUNING	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
5858	ENAMEL PAINT	BRUNING	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
5859	ENAMEL PAINT	BRUNING	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
5860	BLOCK OUT STAIN KILLER	BRUNING	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
[illegible]	ENAMEL PAINT	BRUNING	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
58[illegible]	ENAMEL PAINT	BRUNING	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
5863	ENAMEL PAINT	BRUNING	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /

CHEMICAL INVENTORY BUILDING REPORT
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BARCODE	DESCRIPTION	MANU FACTURER	SOLID QUANTITY (POUNDS)	LIQUID QUANTITY (GALLONS)	GAS QUANTITY (CYLNDERS)	MISC. QUANTITY	UNK	ROOM	DATE ENTERED	DATE VERIFIED	DATE DISPOSED
5875	WATER LOX TRANSPARENT SEAL	WATER LOX	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
5876	PVC PLASTIC PIPE CEMENT	HERCULES CHEM. CO.	0.000	0.264	0.000	0.000		195	08/01/94	/ /	/ /
5877	PVC PLASTIC PIPE CEMENT	HERCULES CHEM. CO.	0.000	0.264	0.000	0.000		195	08/01/94	/ /	/ /
5878	PVC PLASTIC PIPE CEMENT	HERCULES CHEM. CO.	0.000	0.125	0.000	0.000		195	08/01/94	/ /	/ /
5879	PVC PLASTIC PIPE CEMENT	HERCULES CHEM. CO.	0.000	0.125	0.000	0.000		195	08/01/94	/ /	/ /
5880	PVC PLASTIC PIPE CEMENT	WELD-ON	0.000	0.062	0.000	0.000		195	08/01/94	/ /	/ /
5881	PVC PLASTIC PIPE CEMENT	WELD-ON	0.000	0.062	0.000	0.000		195	08/01/94	/ /	/ /
5591	ETOH	UNK	0.000	0.026	0.000	0.000		196	08/01/94	/ /	/ /
5592	ETOH	UNK	0.000	0.053	0.000	0.000		196	08/01/94	/ /	/ /
5593	SPRAY DISINFECTANT	GEORGIA STEEL CHEM CO	0.000	0.188	0.000	0.000		196	08/01/94	/ /	/ /
5594	CORN OIL	UNK	0.000	0.132	0.000	0.000		196	08/01/94	/ /	/ /
5595	CORN OIL	UNK	0.000	0.132	0.000	0.000		196	08/01/94	/ /	/ /
5596	CORN OIL	UNK	0.000	0.132	0.000	0.000		196	08/01/94	/ /	/ /
5597	ROOM FRESHNER	SSS	0.000	0.000	1.000	0.000		196	08/01/94	/ /	/ /
5598	CRAFT GLUE	SCOTT	0.000	0.000	1.000	0.000		196	08/01/94	/ /	/ /
5599	WD-40	WD-40 CO.	0.000	0.070	0.000	0.000		196	08/01/94	/ /	/ /
5600	LOCTITE SAFETY SOLVENT 755	LOCTITE	0.000	1.000	0.000	0.000		196	08/01/94	/ /	/ /
5601	ISOPROPYL ALCOHOL	MCB	0.000	0.125	0.000	0.000		196	08/01/94	/ /	/ /
5602	METAL POLISH	BOYLE INC.	0.000	0.250	0.000	0.000		196	08/01/94	/ /	/ /
5603	MAZOLA CORN OIL	MAZOLA	0.000	1.000	0.000	0.000		196	08/01/94	/ /	/ /
5604	MAZOLA CORN OIL	MAZOLA	0.000	1.000	0.000	0.000		196	08/01/94	/ /	/ /
5605	CORN OIL	UNK	0.000	0.264	0.000	0.000		196	08/01/94	/ /	/ /
WM008561	ALCOHOL 200 PROOF	MCCORMICK	0.000	1.000	0.000	0.000		196	09/06/95	/ /	/ /
CI500157	ALCOHOL, 200 PROOF	MC CORMICK	0.000	1.000	0.000	0.000		196	11/29/95	/ /	/ /
5339	C 5-A ANTI-SIEZE LUBRICANT (9)	FEL-PRO INC.	0.250	0.000	0.000	0.000		197	08/01/94	/ /	/ /
5340	VACUUM GREASE DOW CORNING	DOW CORNING	0.331	0.000	0.000	0.000		197	08/01/94	/ /	/ /
5341	GREASE	FISHER	1.562	0.000	0.000	0.000		197	08/01/94	/ /	/ /
5342	FLUOROLUBE GREASE G R-90	FISHER	1.562	0.000	0.000	0.000		197	08/01/94	/ /	/ /
5343	FLUOROLUBE GREASE G R-90	FISHER	1.562	0.000	0.000	0.000		197	08/01/94	/ /	/ /
5344	FLUOROLUBE GREASE G R-90	FISHER	1.562	0.000	0.000	0.000		197	08/01/94	/ /	/ /
5345	2-PROPANOL	FISHER	0.000	0.125	0.000	0.000		197	08/01/94	/ /	/ /
5346	ISOPROPYL ALCOHOL	MALLINKROD T	0.000	0.125	0.000	0.000		197	08/01/94	/ /	/ /
5347	LIQUID WRENCH	RADIATOR SPECIALTY	0.000	0.031	0.000	0.000		197	08/01/94	/ /	/ /
5348	PENERATING OIL	BORON LABS	0.000	0.031	0.000	0.000		197	08/01/94	/ /	/ /
5349	SPRAY ENAMEL	SHERWIN WILLIAMS CO.	0.000	0.100	0.000	0.000		197	08/01/94	/ /	/ /
5350	WD-40 OIL	WD-40 CO.	0.000	0.070	0.000	0.000		197	08/01/94	/ /	/ /
5351	BOLT INSECTICIDE	JOHNSON WAX	0.000	0.148	0.000	0.000		197	08/01/94	/ /	/ /
5352	BOLT INSECTICIDE	JOHNSON WAX	0.000	0.148	0.000	0.000		197	08/01/94	/ /	/ /
5353	APIEZON GREASE M	APIEZON PROD.	0.220	0.000	0.000	0.000		197	08/01/94	/ /	/ /
5354	INDUSTRIAL METAL MARKER	NISSEN	0.165	0.000	0.000	0.000		197	08/01/94	/ /	/ /
5355	KRYLON PAINT	BORDEN CO.	0.000	0.094	0.000	0.000		197	08/01/94	/ /	/ /

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	LIQUID WRENCH	RADIATOR SPECIALTY CO	0.000	0.031	0.000	0.000		195	08/01/94	/ /	/ /
	LIQUID WRENCH	RADIATOR SPECIALTY CO	0.000	0.031	0.000	0.000		195	08/01/94	/ /	/ /
	LIQUID WRENCH	RADIATOR SPECIALTY CO	0.000	0.031	0.000	0.000		195	08/01/94	/ /	/ /
	LIQUID WRENCH	RADIATOR SPECIALTY CO	0.000	0.031	0.000	0.000		195	08/01/94	/ /	/ /
5868	CUTTING OIL 390	A.W. CHESTERTRON CO.	0.000	0.113	0.000	0.000		195	08/01/94	/ /	/ /
	CUTTING OIL 390	A.W. CHESTERTRON CO.	0.000	0.113	0.000	0.000		195	08/01/94	/ /	/ /
	CUTTING OIL 390	A.W. CHESTERTRON CO.	0.000	0.113	0.000	0.000		195	08/01/94	/ /	/ /
	CUTTING OIL 390	A.W. CHESTERTRON CO.	0.000	0.113	0.000	0.000		195	08/01/94	/ /	/ /
	CUTTING OIL 390	A.W. CHESTERTRON CO.	0.000	0.113	0.000	0.000		195	08/01/94	/ /	/ /
	CUTTING OIL 390	A.W. CHESTERTRON CO.	0.000	0.113	0.000	0.000		195	08/01/94	/ /	/ /
	CUTTING OIL 390	A.W. CHESTERTRON CO.	0.000	0.113	0.000	0.000		195	08/01/94	/ /	/ /
	CUTTING OIL 390	A.W. CHESTERTRON CO.	0.000	0.113	0.000	0.000		195	08/01/94	/ /	/ /
	CUTTING OIL 390	A.W. CHESTERTRON CO.	0.000	0.113	0.000	0.000		195	08/01/94	/ /	/ /
5869	ERS	UNK	0.000	0.125	0.000	0.000		195	08/01/94	/ /	/ /
5870	ERS	UNK	0.000	0.125	0.000	0.000		195	08/01/94	/ /	/ /
5871	ZINC RICH GALVANIZING COMPOUND	SPRAYON PRODUCTS	0.000	0.125	0.000	0.000		195	08/01/94	/ /	/ /
	ZINC RICH GALVANIZING COMPOUND	SPRAYON PRODUCTS	0.000	0.125	0.000	0.000		195	08/01/94	/ /	/ /
	ZINC RICH GALVANIZING COMPOUND	SPRAYON PRODUCTS	0.000	0.125	0.000	0.000		195	08/01/94	/ /	/ /
	ZINC RICH GALVANIZING COMPOUND	SPRAYON PRODUCTS	0.000	0.125	0.000	0.000		195	08/01/94	/ /	/ /
	ZINC RICH GALVANIZING COMPOUND	SPRAYON PRODUCTS	0.000	0.125	0.000	0.000		195	08/01/94	/ /	/ /
	ZINC RICH GALVANIZING COMPOUND	SPRAYON PRODUCTS	0.000	0.125	0.000	0.000		195	08/01/94	/ /	/ /
5872	WATER LOX TRANSPARENT SEAL	WATER LOX	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
	WATER LOX TRANSPARENT SEAL	WATER LOX	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /
5874	WATER LOX TRANSPARENT SEAL	WATER LOX	0.000	1.000	0.000	0.000		195	08/01/94	/ /	/ /

CHEMICAL INVENTORY BUILDING REPORT
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CI08511	ION EXCHANGE RESIN CYLINDER		0.000	0.000	0.000	0.000	X	201P	08/01/94	/ /	/ /
CI08512	SALT-SODIUM CHLORIDE HOLDING TANK		0.000	0.000	0.000	0.000	X	201P	08/01/94	/ /	/ /
CI08513	REFRIGERATOR & DEHUMIDIFIER (FREON)		0.000	0.000	1.000	0.000		201P	08/01/94	/ /	/ /
RM003015	NO CHEMICALS FOUND		0.000	0.000	0.000	0.000		202	08/01/94	/ /	/ /
RM003014	NO CHEMICALS FOUND		0.000	0.000	0.000	0.000		203	08/01/94	/ /	/ /
RM003013	NO CHEMICALS FOUND		0.000	0.000	0.000	0.000		204	08/01/94	/ /	/ /
RM003012	NO CHEMICALS FOUND		0.000	0.000	0.000	0.000		205	08/01/94	/ /	/ /
RM003011	NO CHEMICALS		0.000	0.000	0.000	0.000		206	08/01/94	/ /	/ /
CI08496	FLORCO ABSORBENT		50.000	0.000	0.000	0.000		208	08/01/94	/ /	/ /
RM003021			0.000	0.000	0.000	0.000		208	08/01/94	/ /	/ /
RM003016	NO CHEMICALS FOUND		0.000	0.000	0.000	0.000		221	08/01/94	/ /	/ /
RM002194	NO CHEMICALS		0.000	0.000	0.000	0.000		225	08/01/94	/ /	/ /
RM002192	NO CHEMICALS		0.000	0.000	0.000	0.000		226	08/01/94	/ /	/ /
CI500085	SILICA GEL	ALFA	1.101	0.000	0.000	0.000		25	08/21/95	/ /	/ /
CI500086	SILICA GEL		1.101	0.000	0.000	0.000		25	08/21/95	/ /	/ /
CI500087	SILICA GEL		1.101	0.000	0.000	0.000		25	08/21/95	/ /	/ /
CI500088	SILICA GEL		1.101	0.000	0.000	0.000		25	08/21/95	/ /	/ /
CI500080	SODIUM SULFATE		1.101	0.000	0.000	0.000		25	08/21/95	/ /	/ /
CI500081	SODIUM SULFATE		1.101	0.000	0.000	0.000		25	08/21/95	/ /	/ /
CI500082	SODIUM SULFATE		1.101	0.000	0.000	0.000		25	08/21/95	/ /	/ /
CI500083	SODIUM SULFATE		1.101	0.000	0.000	0.000		25	08/21/95	/ /	/ /
CI500089	TETRACHLOROETHYLENE		0.000	1.056	0.000	0.000		25	08/21/95	/ /	/ /
CI500084	INFRARED SPEC/IR DETECTOR		0.000	0.264	0.000	0.000		25	08/21/95	/ /	/ /
CI950818	Helium, Ultra Pure	Air Products	0.000	0.000	1.000	0.000		25	10/02/95	/ /	/ /
CI950819	Helium, Ultra Pure	Air Products	0.000	0.000	1.000	0.000		25	10/02/95	/ /	/ /
CI950820	Helium, Ultra Pure	Air Products	0.000	0.000	1.000	0.000		25	10/02/95	/ /	/ /
CI950821	Helium, Ultra Pure	Air Products	0.000	0.000	1.000	0.000		25	10/02/95	/ /	/ /
RM001557	LOCKED ROOM		0.000	0.000	0.000	0.000		30	08/01/94	/ /	/ /
RM001718	OFFICE N/C		0.000	0.000	0.000	0.000		64	08/01/94	/ /	/ /
WM002610	WATER COOLER (FREON)	GE	0.000	0.000	0.000	0.000	X	C	08/01/94	/ /	/ /
			0.000	0.000	0.000	0.000		CORR 1	08/01/94	/ /	/ /
RM003005	NO CHEMICALS		0.000	0.000	0.000	0.000		CORR 2A	08/01/94	/ /	/ /
RM003008			0.000	0.000	0.000	0.000		CORR 5A	08/01/94	/ /	/ /
CI008486	P-10 GAS CYLINDER		0.000	0.000	1.000	0.000		CORR 5A	08/01/94	/ /	/ /
CI008487	FORPRUF	MINE SAFETY APPLIANCE CO.	0.000	0.031	0.000	0.000		CORR 5A	08/01/94	/ /	/ /
CI008488	VACUUM GREASE	DOW CORNING	0.344	0.000	0.000	0.000		CORR 5A	08/01/94	/ /	/ /
CI008489	ACRYLIC SATIN ENAMEL PAINT GROUP OF FOUR	BRUNING	0.000	1.000	0.000	0.000		CORR 5A	08/01/94	/ /	/ /
CI008490	SEALANT	DOW CORNING	0.188	0.000	0.000	0.000		CORR 5A	08/01/94	/ /	/ /
CI008491	SEALANT	DOW CORNING	0.188	0.000	0.000	0.000		CORR 5A	08/01/94	/ /	/ /
CI008492	BLACK LACQUER	UNK	0.000	0.004	0.000	0.000		CORR 5A	08/01/94	/ /	/ /

CHEMICAL INVENTORY BUILDING REPORT
BY BARCODE

BARCODE	DESCRIPTION	MANU FACTURER	SOLID QUANTITY (POUNDS)	LIQUID QUANTITY (GALLONS)	GAS QUANTITY (CYLNDERS)	MISC. QUANTITY	UNK	ROOM	DATE ENTERED	DATE VERIFIED	DATE DISPOSED
5606	AIR	AIR PRODUCTS	0.000	0.000	1.000	0.000		197A	08/01/94	/ /	/ /
RM001618	JANITOR CLOSET		0.000	0.000	0.000	0.000		197B	08/01/94	/ /	/ /
5583	BLACK LACQUER	UNK	0.000	0.016	0.000	0.000		198	08/01/94	/ /	/ /
5584	BLACK LACQUER	UNK	0.000	0.016	0.000	0.000		198	08/01/94	/ /	/ /
5585	DISINFECTANT SPRAY	VALLEY	0.000	0.109	0.000	0.000		198	08/01/94	/ /	/ /
5586	DISINFECTANT SPRAY	VALLEY	0.000	0.109	0.000	0.000		198	08/01/94	/ /	/ /
5587	DISINFECTANT SPRAY	BETCO	0.000	0.109	0.000	0.000		198	08/01/94	/ /	/ /
5588	DISINFECTANT SPRAY	BETCO	0.000	0.109	0.000	0.000		198	08/01/94	/ /	/ /
5589	DISINFECTANT SPRAY	BETCO	0.000	0.109	0.000	0.000		198	08/01/94	/ /	/ /
CI950531	Ethylene Glycol	Fisher	0.000	0.132	0.000	0.000		198	11/15/95	/ /	/ /
CI950532	Ethylene Glycol	Fisher	0.000	0.132	0.000	0.000		198	11/15/95	/ /	/ /
CI950533	Ethylene Glycol	Fisher	0.000	0.132	0.000	0.000		198	11/15/95	/ /	/ /
CI950534	Ethylene Glycol	Fisher	0.000	0.132	0.000	0.000		198	11/15/95	/ /	/ /
CI950535	Ethylene Glycol	Fisher	0.000	0.132	0.000	0.000		198	11/15/95	/ /	/ /
CI950535	Ethylene Glycol	Fisher	0.000	0.132	0.000	0.000		198	11/15/95	/ /	/ /
CI950536	Ethylene Glycol	Fisher	0.000	0.132	0.000	0.000		198	11/15/95	/ /	/ /
CI950537	Ethylene Glycol	Fisher	0.000	0.132	0.000	0.000		198	11/15/95	/ /	/ /
CI950538	Ethylene Glycol	Fisher	0.000	0.132	0.000	0.000		198	11/15/95	/ /	/ /
CI950539	Ethylene Glycol	Fisher	0.000	0.132	0.000	0.000		198	11/15/95	/ /	/ /
CI950540	Ethylene Glycol	Fisher	0.000	0.132	0.000	0.000		198	11/15/95	/ /	/ /
CI950541	Ethylene Glycol	Fisher	0.000	0.132	0.000	0.000		198	11/15/95	/ /	/ /
CI950542	Ethylene Glycol	Fisher	0.000	0.132	0.000	0.000		198	11/15/95	/ /	/ /
	LOCKED		0.000	0.000	0.000	0.000		199	08/01/94	/ /	/ /
5607	WD-40	WD-40 CO.	0.000	0.070	0.000	0.000		199A	08/01/94	/ /	/ /
5608	K PERMANGORIATE	GEM CHEMICAL	1.000	0.000	0.000	0.000		199A	08/01/94	/ /	/ /
[illegible]609	K PERMANGORIATE	AR	1.000	0.000	0.000	0.000		199A	08/01/94	/ /	/ /
[illegible]	K PERMANGORIATE	JT BAKER	1.000	0.000	0.000	0.000		199A	08/01/94	/ /	/ /
[illegible]05611	HYDROXYLAMINE HCL	MCB	0.250	0.000	0.000	0.000		199A	08/01/94	/ /	/ /
WM005612	HYDROXYLAMINE HCL	MCB	0.250	0.000	0.000	0.000		199A	08/01/94	/ /	/ /
WM005613	HYDROXYLAMINE HCL	MCB	0.250	0.000	0.000	0.000		199A	08/01/94	/ /	/ /
WM005614	HYDROXYLAMINE HCL	MCB	0.250	0.000	0.000	0.000		199A	08/01/94	/ /	/ /
WM005615	HYDROXYLAMINE HCL	MCB	0.250	0.000	0.000	0.000		199A	08/01/94	/ /	/ /
WM005616	HYDROXYLAMINE HCL	MCB	0.250	0.000	0.000	0.000		199A	08/01/94	/ /	/ /
WM005617	HYDROXYLAMINE HCL	MCB	0.250	0.000	0.000	0.000		199A	08/01/94	/ /	/ /
WM005618	HYDROXYLAMINE HCL	MCB	0.250	0.000	0.000	0.000		199A	08/01/94	/ /	/ /
WM005619	HYDROXYLAMINE HCL	MCB	0.250	0.000	0.000	0.000		199A	08/01/94	/ /	/ /
WM005620	MOTOR OIL BY 3 IN 1	3 IN 1	0.000	0.023	0.000	0.000		199A	08/01/94	/ /	/ /
WM005621	PENETRATING OIL	BORON	0.000	0.023	0.000	0.000		199A	08/01/94	/ /	/ /
RM002193	2 LOCKED STORAGE CABINETS		0.000	0.000	0.000	0.000		201P	08/01/94	/ /	/ /
WM003676	NITROGEN		0.000	0.000	1.000	0.000		201P	08/01/94	/ /	/ /
WM003675	NITROGEN		0.000	0.000	1.000	0.000		201P	08/01/94	/ /	/ /
CI08497	OXYGEN CYLINDER		0.000	0.000	1.000	0.000		201P	08/01/94	/ /	/ /
CI08498	ACETYLENE CYLINDER		0.000	0.000	1.000	0.000		201P	08/01/94	/ /	/ /
CI08499	NITROGEN CYLINDER		0.000	0.000	1.000	0.000		201P	08/01/94	/ /	/ /
CI08500	MOTOR OIL	KENDALL	0.000	0.264	0.000	0.000		201P	08/01/94	/ /	/ /
CI08501	MOTOR OIL	KENDALL	0.000	0.264	0.000	0.000		201P	08/01/94	/ /	/ /
CI08502	LOCKED CABINET		0.000	0.000	0.000	0.000		201P	08/01/94	/ /	/ /
CI08503	LOCKED CABINET		0.000	0.000	0.000	0.000		201P	08/01/94	/ /	/ /
CI08504	BATTERY ACID		0.000	0.000	0.000	0.000	X	201P	08/01/94	/ /	/ /
CI08505	VAC PUMP OIL		0.000	0.000	0.000	0.000	X	201P	08/01/94	/ /	/ /
CI08506	BATTERY-ACID CABINET BANK		0.000	0.000	0.000	0.000	X	201P	08/01/94	/ /	/ /
CI08507	ION EXCHANGE RESIN CYLINDER		0.000	0.000	0.000	0.000	X	201P	08/01/94	/ /	/ /
CI08508	ION EXCHANGE RESIN CYLINDER		0.000	0.000	0.000	0.000	X	201P	08/01/94	/ /	/ /
[illegible]08509	ION EXCHANGE RESIN CYLINDER		0.000	0.000	0.000	0.000	X	201P	08/01/94	/ /	/ /
[illegible]510	ION EXCHANGE RESIN CYLINDER		0.000	0.000	0.000	0.000	X	201P	08/01/94	/ /	/ /

CHEMICAL INVENTORY BUILDING REPORT
BY BARCODE

BARCODE	DESCRIPTION	MANU FACTURER	SOLID QUANTITY (POUNDS)	LIQUID QUANTITY (GALLONS)	GAS QUANTITY (CYLNDERS)	MISC. QUANTITY	UNK	ROOM	DATE ENTERED	DATE VERIFIED	DATE DISPOSED
WM003659	GENTRON 502 FREON	ALLIED SIGNAL	0.000	0.000	1.000	0.000		OUT	08/01/94	/ /	/ /
WM003658	GENTRON 502 FREON	ALLIED SIGNAL	0.000	0.000	1.000	0.000		OUT	08/01/94	/ /	/ /
WM003656	FREON	UNK	0.000	0.000	1.000	0.000		OUT	08/01/94	/ /	/ /
WM003657	FREON	UNK	0.000	0.000	1.000	0.000		OUT	08/01/94	/ /	/ /
RM002196	NO CHEMICALS		0.000	0.000	0.000	0.000		SHED	08/01/94	/ /	/ /
** Subtotal **			1558.234	896.776	132.000	0.000					

Building Manager's Questionnaire

Building Name: R Building Manager: J.L. Allison Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

28. Does the building have abandoned process equipment such as tanks, piping, containers, etc.? (Yes) No

29. Is waste material stored in or around the building for more than 90 days?
Yes (No)
material not classified as waste till analized Mike Isper 526

30. Has the building been identified as a 90-day waste accumulation area?
Yes (No)
When was material classified it would possibly be 90 day waste area Steve Kirk 517

31. Has any area in the building been identified as a satellite accumulation area?
Yes (No) K-147 in the designated area

32. Is mixed waste generated, stored, or disposed of from the building? Yes No
Where are logs found?

Process	Waste	Stored	Disposed	Logs
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N

Source: _____

9.25-100

CHEMICAL INVENTORY BUILDING REPORT
BY BARCODE

BARCODE	DESCRIPTION	MANU FACTURER	SOLID QUANTITY (POUNDS)	LIQUID QUANTITY (GALLONS)	GAS QUANTITY (CYLNDERS)	MISC. QUANTITY	UNK	ROOM	DATE ENTERED	DATE VERIFIED	DATE DISPOSED
CI008493	BLACK LACQUER	UNK	0.000	0.004	0.000	0.000		CORR 5A	08/01/94	/ /	/ /
CI008494	WATER CHILLER FREON		0.000	0.000	1.000	0.000		CORR 5A	08/01/94	/ /	/ /
RM001576			0.000	0.000	0.000	0.000		CORR 6	08/01/94	/ /	/ /
RM001556	WATER COOLER (FREON)		0.000	0.000	0.000	0.000	X	CORR 7	08/01/94	/ /	/ /
	DIFFUSION PUMP & VACUUM PUMP		0.000	0.000	0.000	0.000	X	CORR.A	08/01/94	/ /	/ /
CI950632	Oxygen	Air Products	0.000	0.000	1.000	0.000		Dock 1	09/13/95	/ /	/ /
CI950633	Oxygen	Air Products	0.000	0.000	1.000	0.000		Dock 1	09/13/95	/ /	/ /
RM003017	HOT FILTER BANK AREA		0.000	0.000	0.000	0.000		FB	08/01/94	/ /	/ /
RM003018	HOT FILTER BANK AREA		0.000	0.000	0.000	0.000		FB	08/01/94	/ /	/ /
RM003019	HOT FILTER BANK AREA		0.000	0.000	0.000	0.000		FB	08/01/94	/ /	/ /
RM003020	HOT FILTER BANK AREA		0.000	0.000	0.000	0.000		FB	08/01/94	/ /	/ /
RM002996			0.000	0.000	0.000	0.000		J?	08/01/94	/ /	/ /
CI13276	TOILET BOWL CLEANER		0.000	0.000	0.000	0.000	X	J?	08/01/94	/ /	/ /
CI13277	WINDOW SHINE		0.000	0.000	0.000	0.000	X	J?	08/01/94	/ /	/ /
CI13278	ZIP		0.000	0.000	0.000	0.000	X	J?	08/01/94	/ /	/ /
CI13279	NABC	IS	0.000	0.000	0.000	0.000	X	J?	08/01/94	/ /	/ /
WM003654	NITROGEN GAS	AIR PRODUCTS	0.000	0.000	1.000	0.000		OUT	08/01/94	/ /	/ /
WM003655	NITROGEN GAS	AIR PRODUCTS	0.000	0.000	1.000	0.000		OUT	08/01/94	/ /	/ /
WM003650	HYDROGEN	AIR PRODUCTS	0.000	0.000	1.000	0.000		OUT	08/01/94	/ /	/ /
WM003651	HYDROGEN	AIR PRODUCTS	0.000	0.000	1.000	0.000		OUT	08/01/94	/ /	/ /
WM003652	HYDROGEN	AIR PRODUCTS	0.000	0.000	1.000	0.000		OUT	08/01/94	/ /	/ /
WM003653	HYDROGEN	AIR PRODUCTS	0.000	0.000	1.000	0.000		OUT	08/01/94	/ /	/ /
WM003671	ACETYLENE	AIR PRODUCTS	0.000	0.000	1.000	0.000		OUT	08/01/94	/ /	/ /
WM003672	ACETYLENE	AIR PRODUCTS	0.000	0.000	1.000	0.000		OUT	08/01/94	/ /	/ /
WM003673	ACETYLENE	AIR PRODUCTS	0.000	0.000	1.000	0.000		OUT	08/01/94	/ /	/ /
WM003670	R-22 REFRIGERANT FREON	ALLIED SIGNAL	0.000	0.000	1.000	0.000		OUT	08/01/94	/ /	/ /
WM003669	R-22 REFRIGERANT FREON	ALLIED SIGNAL	0.000	0.000	1.000	0.000		OUT	08/01/94	/ /	/ /
WM003664	R-22 REFRIGERANT FREON	ALLIED SIGNAL	0.000	0.000	1.000	0.000		OUT	08/01/94	/ /	/ /
WM003665	R-22 REFRIGERANT FREON	ALLIED SIGNAL	0.000	0.000	1.000	0.000		OUT	08/01/94	/ /	/ /
WM003666	R-22 REFRIGERANT FREON	ALLIED SIGNAL	0.000	0.000	1.000	0.000		OUT	08/01/94	/ /	/ /
WM003667	R-22 REFRIGERANT FREON	ALLIED SIGNAL	0.000	0.000	1.000	0.000		OUT	08/01/94	/ /	/ /
WM003668	R-22 REFRIGERANT FREON	ALLIED SIGNAL	0.000	0.000	1.000	0.000		OUT	08/01/94	/ /	/ /
WM003663	R-12 REFRIGERANT FREON	ALLIED SIGNAL	0.000	0.000	1.000	0.000		OUT	08/01/94	/ /	/ /
WM003662	GENTRON 502 FREON	ALLIED SIGNAL	0.000	0.000	1.000	0.000		OUT	08/01/94	/ /	/ /
WM003661	GENTRON 502 FREON	ALLIED SIGNAL	0.000	0.000	1.000	0.000		OUT	08/01/94	/ /	/ /

CHEMICAL INVENTORY BUILDING REPORT
BY BARCODE

BARCODE	DESCRIPTION	MANU FACTURER	SOLID QUANTITY (POUNDS)	LIQUID QUANTITY (GALLONS)	GAS QUANTITY (CYLNDERS)	MISC. QUANTITY	UNK ROOM	DATE ENTERED	DATE VERIFIED	DATE DISPOSED
** BUILDING: R1										
WM006566	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
WM006567	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
WM006568	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
WM006569	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
WM006570	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
WM006571	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
WM006572	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
WM006573	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
WM006574	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
WM006575	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
WM006576	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
WM006577	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
WM006578	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
WM006579	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
WM006580	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
WM006581	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
WM006582	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
WM006583	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
WM006584	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
WM006585	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
** Subtotal **			0.000	26.400	0.000	0.000				
*** Total ***			1558.234	923.176	132.000	0.000				

Building Manager's Questionnaire

Building Name: R Building Manager: J.L. Allison Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

34. Is low-level radioactive waste generated, stored, or disposed of from the building? Yes No
Where are logs found? Waste management

Process	Waste	Stored	Disposed	Logs
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N

Source: _____

35. Identify all administrative orders, temporary or permanent injunctions, civil administrative penalties, or criminal activities issued against the building.

9.25-102

Building Manager's Questionnaire

Building Name: R Building Manager: J.L. Allison Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

33. Is TRU radioactive waste generated, stored, or disposed of from the building?
Yes No
Where are logs found? Waste Management

Process	Waste	Stored	Disposed	Logs
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N

Source: _____

9.25-103

MOUND ASBESTOS SURVEY
BUILDING SUMMARY

BUILDING R

FLOORS:	One	PIPE CHASES:	Yes
DATE BUILT:	1948	PENTHOUSE:	Yes
CRAWLSPACE:	Yes	GROSS AREA, SQ. FT.:	55,003
SUSPENDED CEILING:	Yes	ADDITIONS:	1963, 1964, 1965, 1966

Asbestos was found to be present in Thermal System Insulation and/or other material in Building R. The homogeneous areas for the suspect Asbestos Containing Materials are shown below. Refer to the Mound Asbestos Survey Sample Data Report for specific information on sample constituents, estimated amounts of the material, assessments, and percentages of each constituent in the sample.

HOMOGENEOUS AREAS
Sample Numbers: 0.585-0.657, 1.657-1.665

No.	Description	Result
1	Pipe Joint Insulation, Type I, Hard Joints w/Fiberglass Runs	Positive
2	Pipe Insulation, Type II, Hard	Positive
3	Pipe Joint Insulation, Type II, Hard	Positive
4	Pipe Insulation, Type V, Black Fiber	Positive
5	Pipe Joint Insulation, Type V, Black Fiber	Positive
6	Pipe Insulation, Type III, Paper	Negative
7	Pipe Joint Insulation, Type III, Paper	Positive
8	Pipe Insulation, Type IV, Aircell	Positive
9	Pipe Joint Insulation, Type IV, Aircell	Positive
10	Ceiling Tile, CT1-B, (1'x1'), Fissured w/Pinholes	Negative
11	Ceiling Tile, CT1-K, (1'x1'), Specks	Negative
12	Ceiling Tile, CT3-B, (2'x4'), Fissured w/Pinholes	Negative
13	Ceiling Tile, CT3-J, (2'x4'), Pinholes	Negative
14	Ceiling Tile, CT3-F, (2'x4'), Pits w/Pinholes	Negative
15	Tank Insulation	Positive
16	Ductwork Flex Connector	Negative
17	Condensate Tape (White)	Positive
18	Condensate Tape (Black)	Positive
19	Drywall	Negative
20	Drywall Joint Compound	Negative
21	Plaster (Ceiling)	Negative
22	Plaster (Wall)	Negative
23	Duct Insulation	Negative
24	Cloth Wrap (White)	Positive
25	Light/Vent Packing	Positive
26	Transite Wall	Positive

Building Manager's Questionnaire

Building Name: R Building Manager: J.L. Allison Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

36. Is there a waste minimization program in the building? Yes No
Discuss your ideas about how to minimize waste.

· pollution MD 81501
prevention for MKNES plan

37. Has a pollution prevention program been developed for the building? Yes No

MD 81501

9.25-105

HOMOGENEOUS AREAS, cont'd
Sample Numbers: 0.585-0.657, 1.657-1.665

* Floor tile quantities not included in scope.

** Carpet quantities not included in scope.
*** Linoleum quantities not included in scope.

NOTE: Building R Corridor 2 considered part of Building SW for this survey. This includes all rooms adjacent to the Corridor except Room 103 and Room 137 on the ground level. In the crawlspace, only the Corridor on the rooms to the west (SW side) were included.

NOTE: Condensate Tape (White) in Building R is assumed positive, regardless of sample analyses, due to the heterogeneous nature of the product, and the large volume of the material in this building.

MOUND ASBESTOS SURVEY
BUILDING SUMMARY

BUILDING R

HOMOGENEOUS AREAS, cont'd
Sample Numbers: 0.585-0.657, 1.657-1.665

Assumed ACM:	Amount	Location
Transite (Hood)	53 SF	Room 21
Transite (Hood)	53 SF	Room 22
Transite (Hood)	53 SF	Room 22
Transite (Hood)	53 SF	Room 23
Transite (Hood)	53 SF	Room 24
Transite (Hood)	53 SF	Room 25
Transite (Hood)	53 SF	Room 25
Transite (Hood)	59 SF	Room 25
Transite (Hood)	53 SF	Room 33
Transite (Hood)	40 SF	Room 169A
Transite (Hood)	53 SF	Room 168
Transite (Hood)	40 SF	Room 159B
Transite (Hood)	40 SF	Room 159B
Transite (Hood)	53 SF	Room 155
Transite (Hood)	46 SF	Room 149
Transite (Hood)	46 SF	Room 181
Transite (Hood)	53 SF	Room 162
Transite (Hood)	53 SF	Room 162
Transite (Hood)	53 SF	Room 162
Transite (Hood)	53 SF	Room 162
Transite (Hood)	40 SF	Room 164
Transite (Hood)	59 SF	Room 166
Transite (Hood)	59 SF	Room 166
Transite (Hood)	59 SF	Room 166
Transite (Hood)	59 SF	Room 166
Transite (Hood)	40 SF	Room 167
Transite (Hood)	40 SF	Room 167
Transite (Hood)	40 SF	Room 167
Transite (Hood)	40 SF	Room 167
Transite (Hood)	40 SF	Room 170
Transite (Hood)	40 SF	Room 172
Transite (Hood)	53 SF	Room 177
Transite (Hood)	40 SF	Room 179
Transite (Board)	9 SF	Room 167
Transite (Board)	60 SF	Room 148
Transite (Board)	60 SF	Room 148
Transite (Board)	12 SF	Room 164
* Floor Tile	N/A	N/A
** Carpet	N/A	N/A
***Linoleum	N/A	N/A

Drawing Reference: P100, P101, P102

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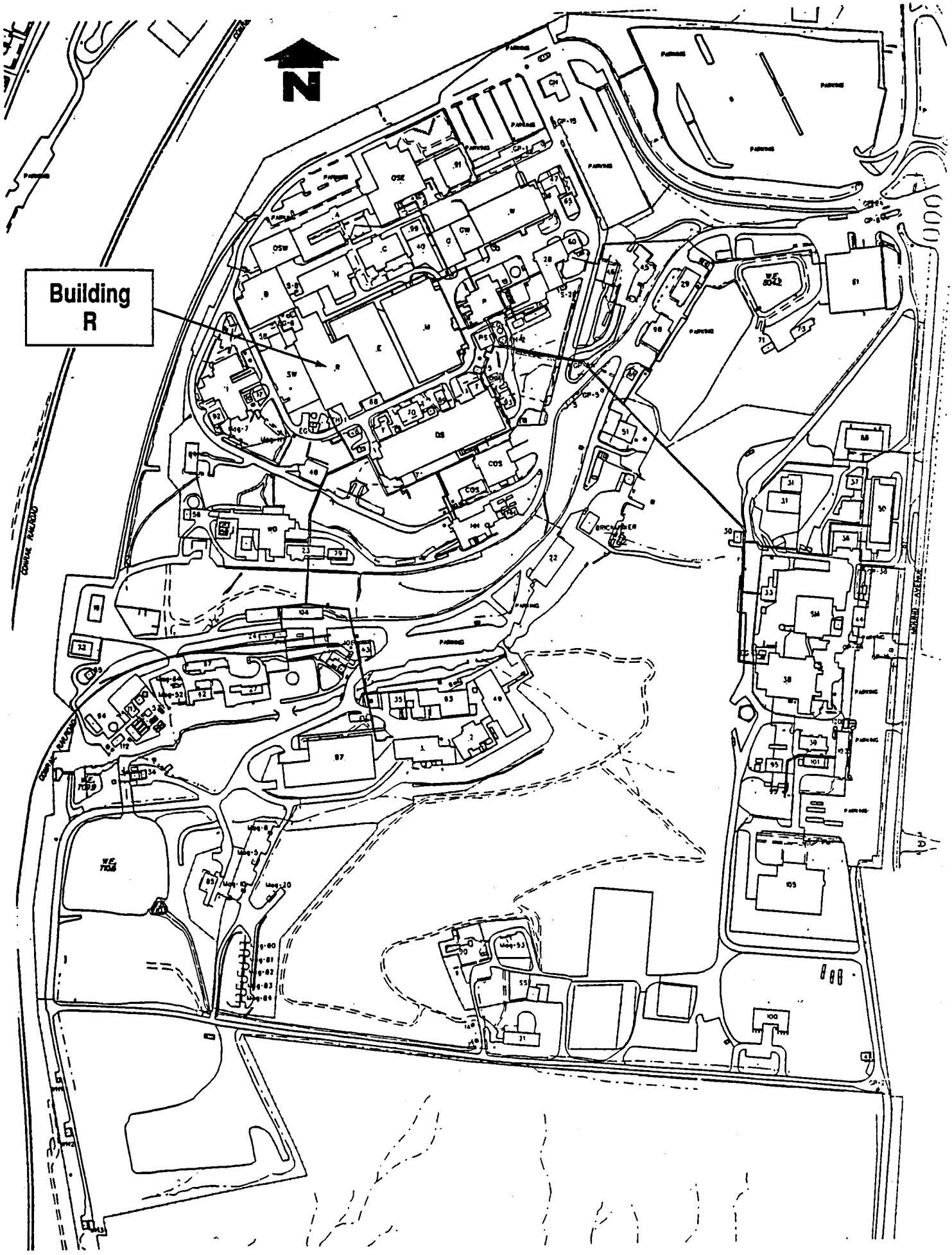
9.25.6.3 Location of Building R



SOURCE: Operable Unit 9, Site Scoping Report: Volume 7-Waste Management Mound Plant, 7-92

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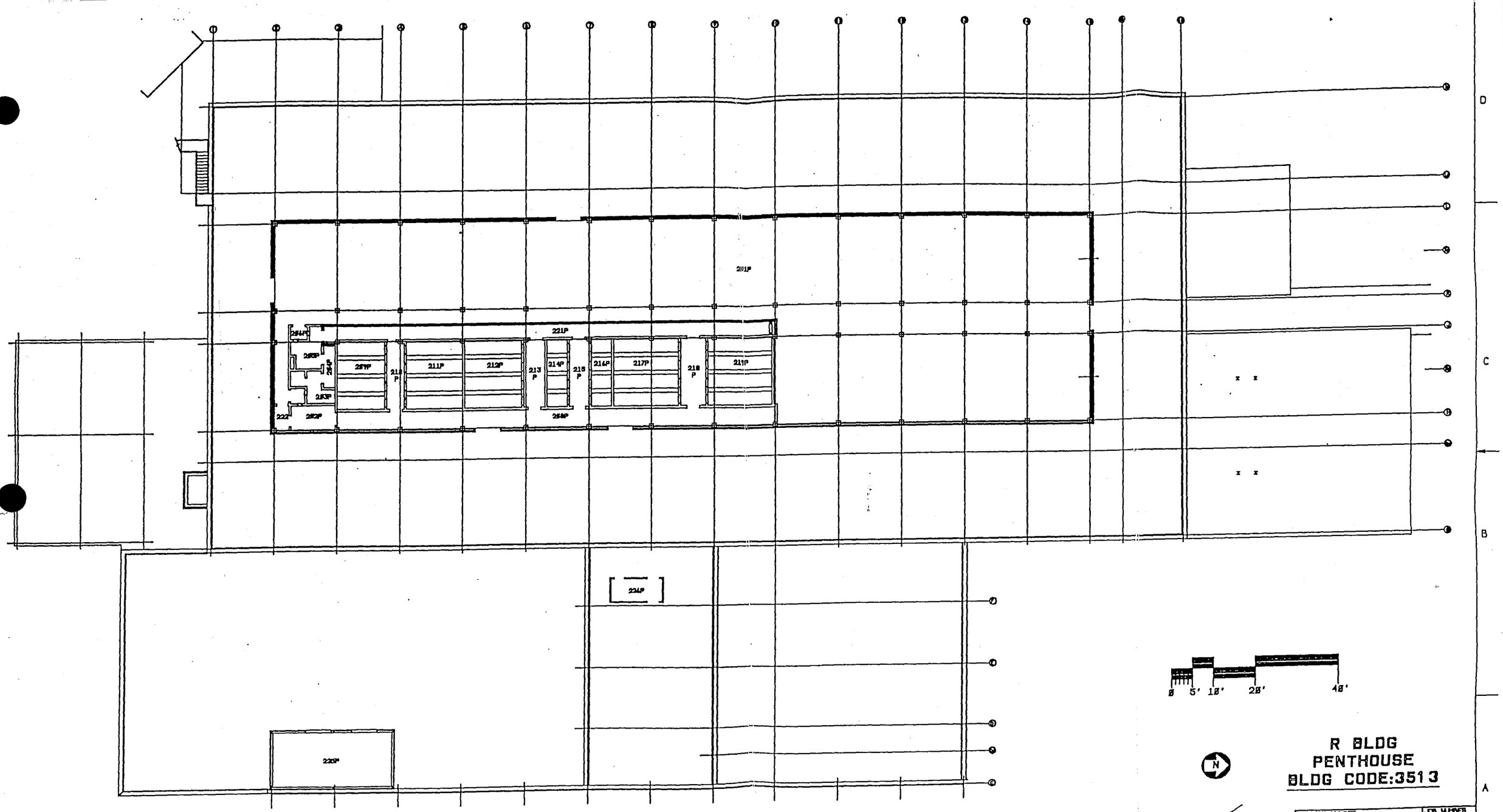
9.25.6.4 Floor Plans for Building R



R BLDG
PENTHOUSE
BLDG CODE:3513

UNCLASSIFIED

DERIVATIVE CLASSIFIER
(Name)
(Title) (Date) 3/29/96

NOT FOR PUBLIC DISSEMINATION

MAY CONTAIN UNCLASSIFIED CONTROLLED NUCLEAR INFORMATION SUBJECT TO SECTION 148 OF THE ATOMIC ENERGY ACT OF 1954, AS AMENDED (42 USC 2168). APPROVAL BY THE DEPARTMENT OF ENERGY PRIOR TO RELEASE IS REQUIRED.

DRAWING NUMBER	FSD911320
JOB NUMBER	12335
DRAWING CLASSIFICATION	UCNI
SIZE	D
CADD	14865
SCALE	AS NOTED
ISSUE	0
SHEET	2
STATUS	MO-REL-12/12/91

9.25-115

Additional floor plans are located in Appendix I—Unclassified Controlled Nuclear Information (UCNI), found in Volume 12 (Section 10.1) of this report.

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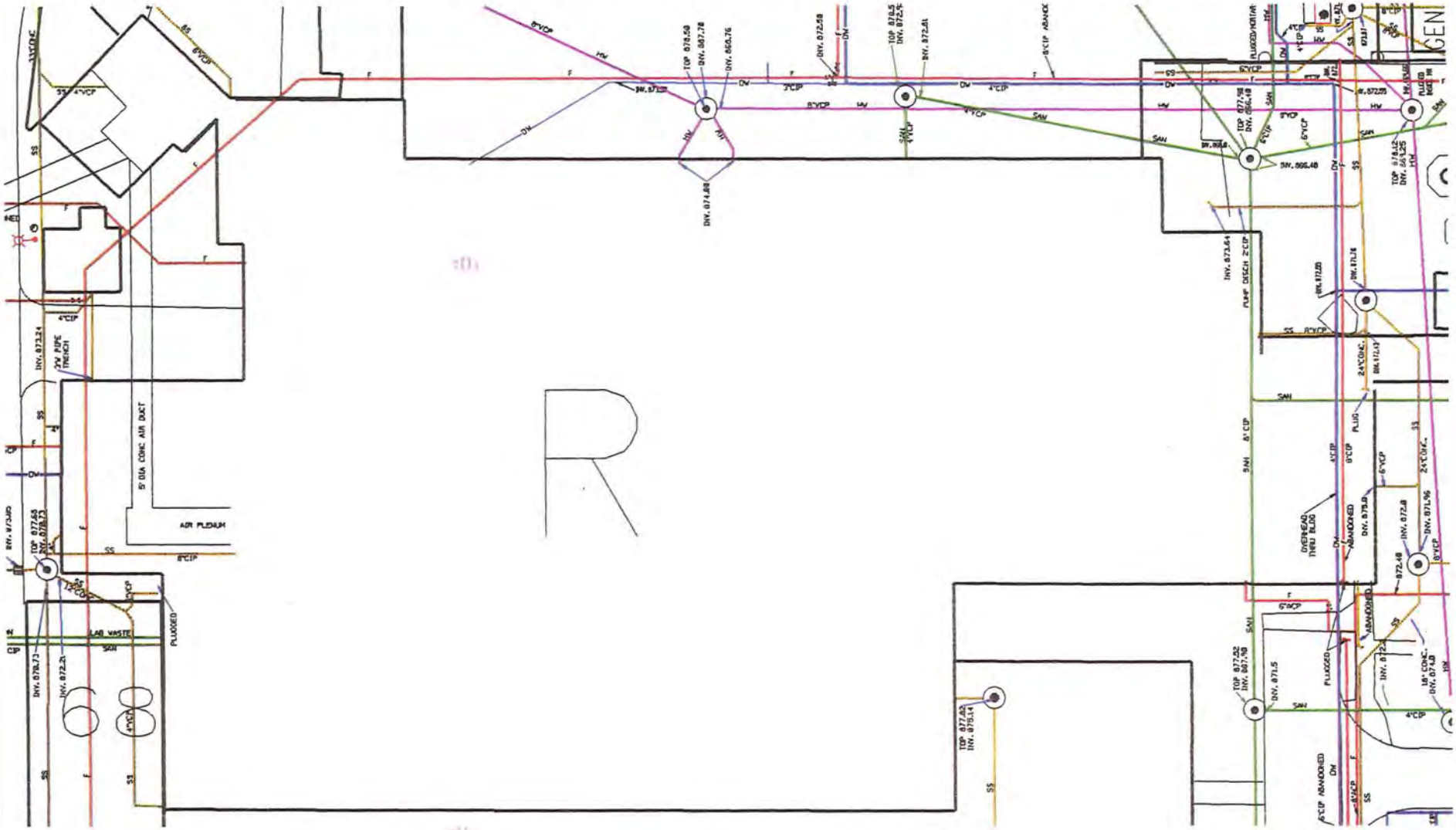
9.25.6.5 Underground Utility Lines



UNCLASSIFIED

E.G.&G.-MOUND

UNDERGROUND WATER & WASTE LINES

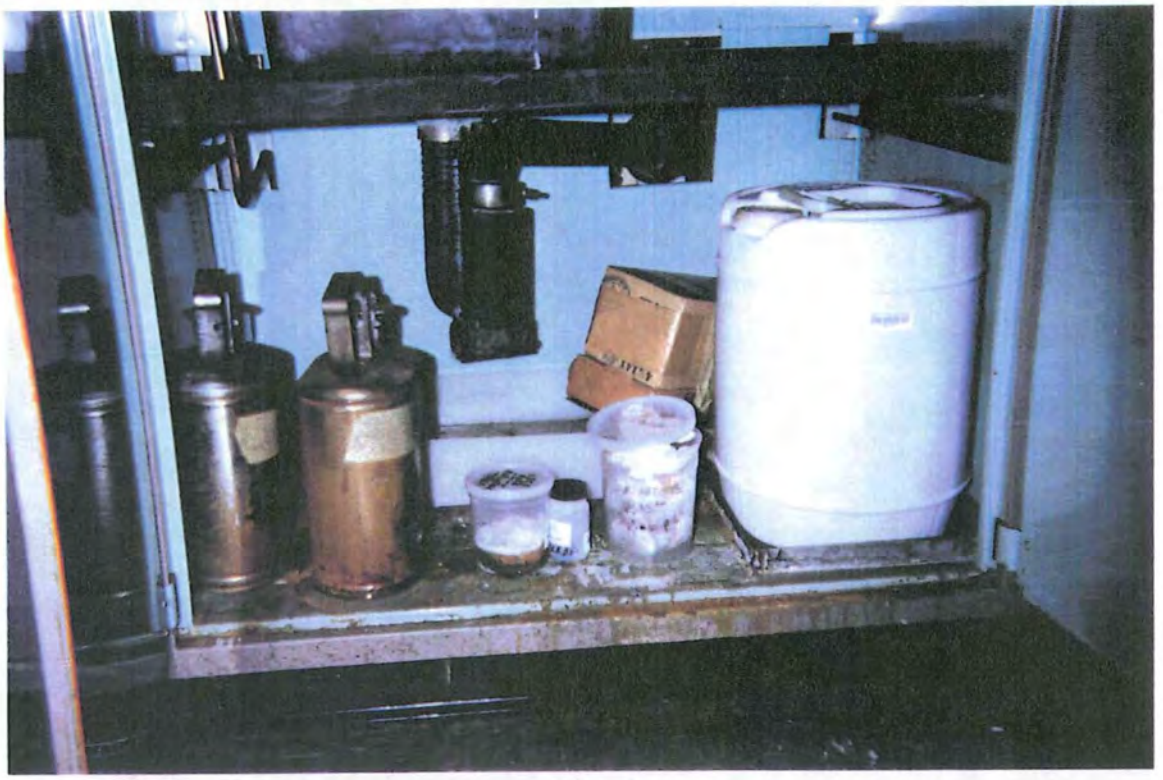
BLDG. R

DATE: 03-12-96

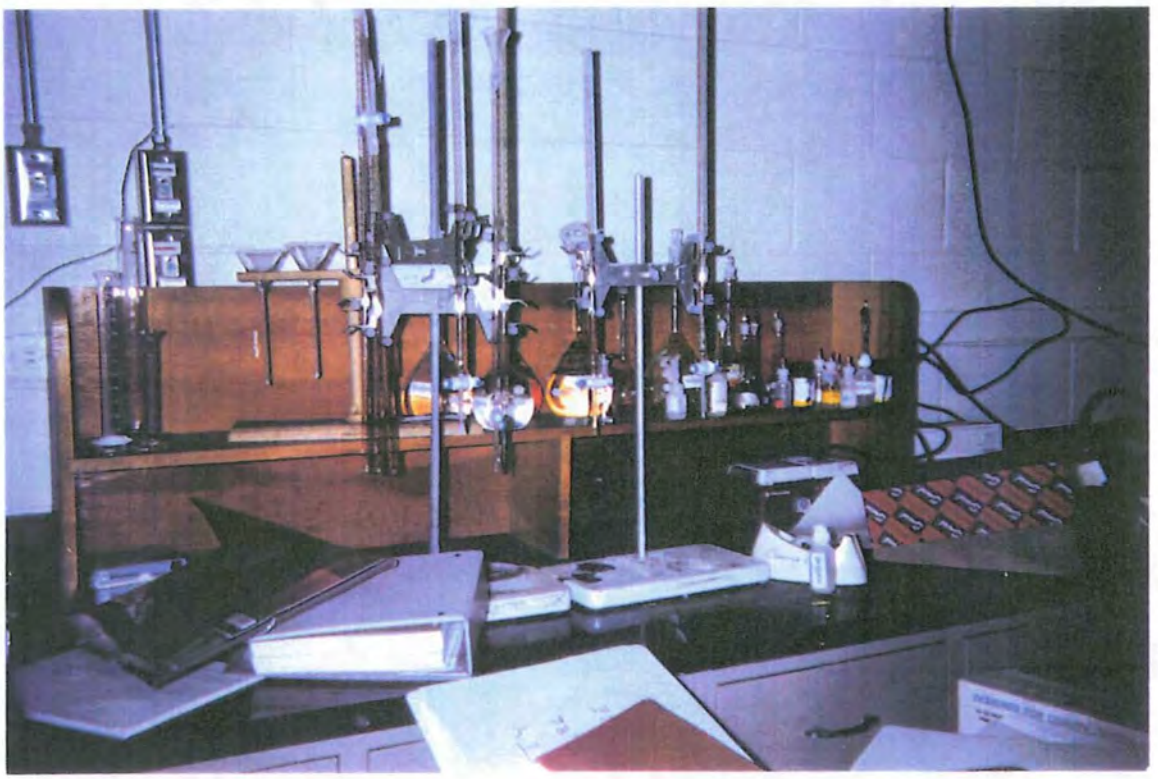
9.25-121

9.25.6.6 Photographs

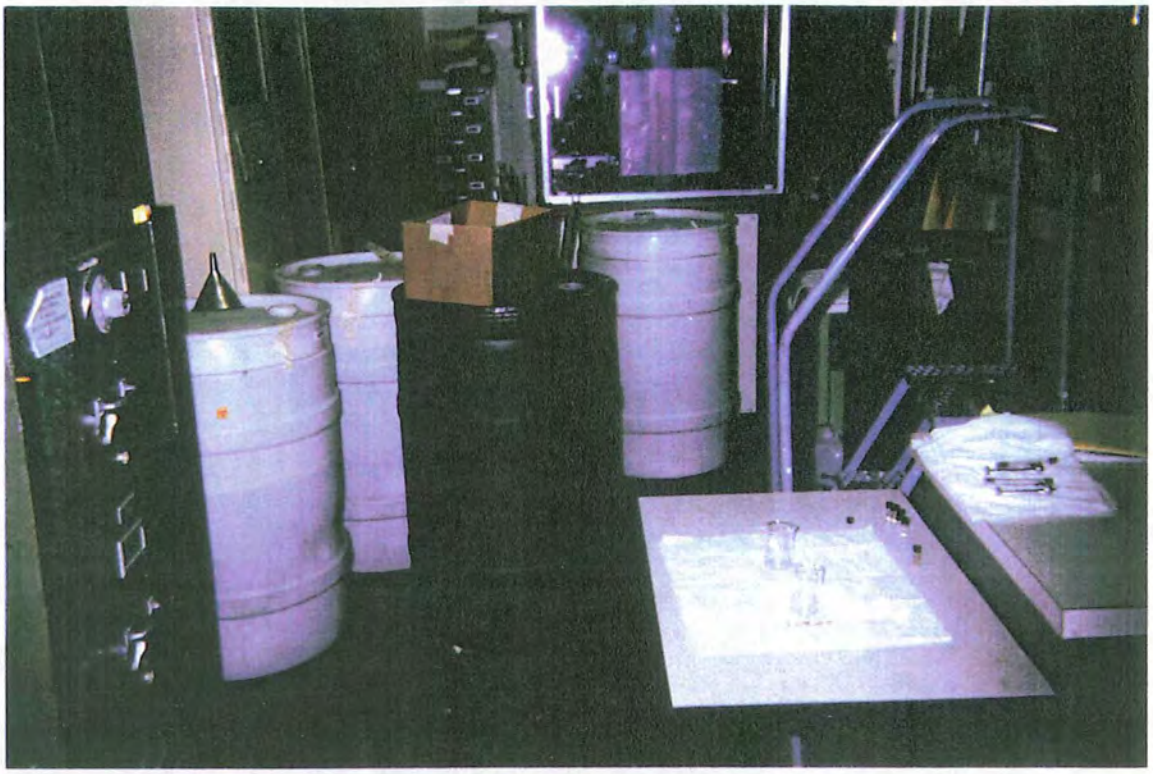
Mound Plant Building R

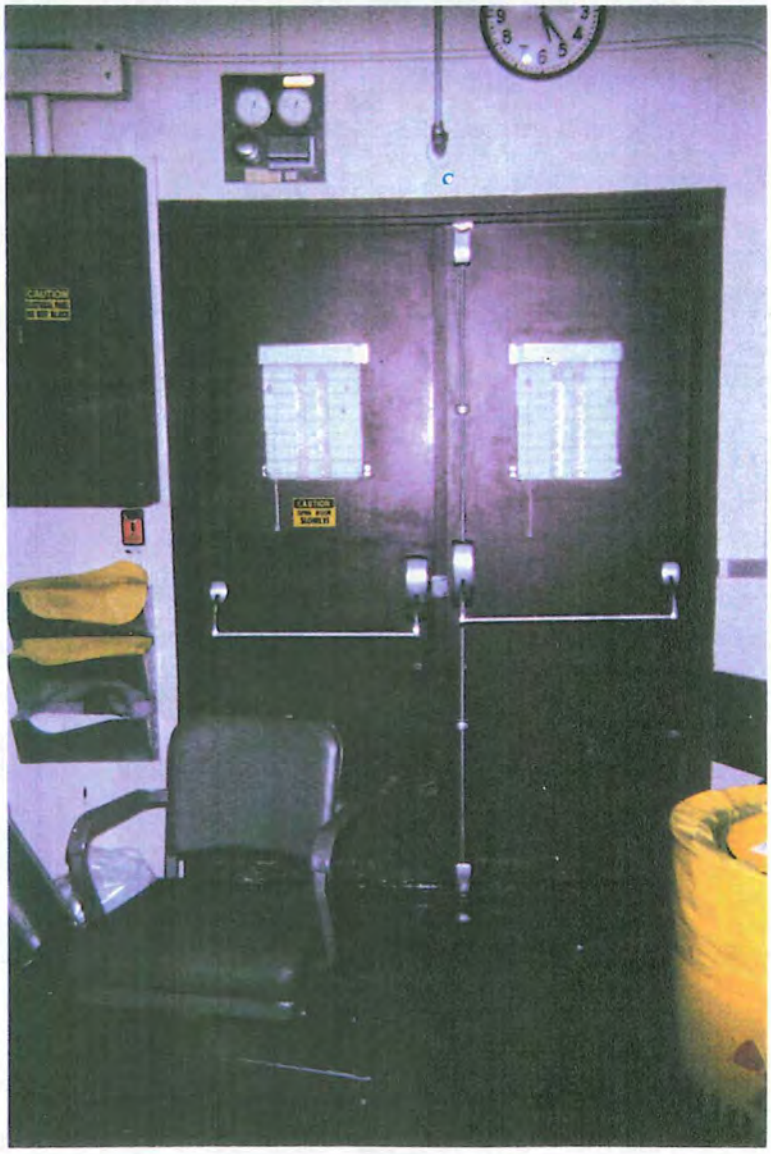


Unidentified waste containers are stored in Building R.



A laboratory which has been shut down contains unidentified chemicals.





(Above) Unlabeled and/or uncharacterized drums need to be identified.

(Below) "Crash" door needed to be signed as such in Room 110.

Uncharacterized low-specific activity drum needs to be characterized.

9.26 BUILDING SD

9.26.1 Scope of Building SD Report

In late 1995 and the early months of 1996, EG&G MAT performed a review of environmental conditions at the Mound Plant. The purpose was to develop a performance baseline, and to identify areas for improvement on a building and a sitewide basis. EG&G MAT did not perform a "due diligence" or Phase I Environmental Site Assessment as specified by ASTM 1527 or ASTM 1528. The scope of the appraisal effort and a discussion of the appraisal methodology are detailed in Sections 2.0 and 5.0, found in Volume 1 of this report.

The appraisal team performed a walk-through of Building SD on the morning of February 20, 1996. The Environmental Appraisal Checklist (EAC) was used to record findings. The EAC is included as Attachment 1 (Section 9.26.6.1). The appraisers were escorted by knowledgeable personnel such as the field coordinator. Other information was supplied by the building manager and recorded on the Building Manager's Questionnaire (BMQ), included as Attachment 2 (Section 9.26.6.2).

9.26.2 Description of Building SD

Building SD is a two-story, 1,593-square-foot facility that was used for sewage disposal. It was constructed in 1948. It remained in service until 1975. The building is bordered by Building 56 on the west, Building WD to the east and north, and a roadway along the south side. The location is shown in Attachment 3 (Section 9.26.6.3). Floor plans are provided in Attachment 4 (Section 9.26.6.4). No utilities systems operate in the building.

The building was used for sanitary treatment and sewage disposal. The facility is potentially contaminated with radioactive materials and metals (*Operable Unit 9, Site Scoping Report: Volume 7-Waste Management*, 2-93).

9.26.3 Summary of Findings

The building was originally constructed as a sewage disposal facility. The SD plant is part of the formal Decontamination and Decommissioning (D&D) program in Environmental Restoration (ER). The building and soils have been characterized and remediation is planned according to the Environmental Restoration Baseline. The building is currently undergoing D&D. The appraisal team did not look at how previous building contents were disposed of. There were several issues of environmental concern identified during the walk-through and review of reference materials. They were related to waste disposal practices and potential groundwater contamination.

9.26.4 Observations

9.26.4.1 Air Emissions

There are no air emission sources included in the building. There are no fuel-burning units in the building. There is no evidence of fugitive dust.

9.26.4.2 Wastewater Emissions

The Mound Facility has three wastewater collection systems: a sanitary wastewater system; a storm water system; and a radioactively contaminated process wastewater system. Sanitary wastewater is treated at an onsite tertiary treatment plant and subsequently discharged by hard pipe to the Great Miami River. Storm water and any non-process wastewater, single pass cooling water, and softener backwash may be discharged directly to the Great Miami River, via the Miami-Erie Canal, or may be diverted to a 3.1-million-gallon holding pond for settling prior to discharge. Radioactively contaminated wastewater is treated in Building WD by physical-chemical treatment. If appropriate, wastewater may be discharged by hard pipe to the Great Miami River. If concentrations of radioactive contaminants cannot be reduced to acceptable levels, wastewater is solidified and shipped to the Nevada Test Site or Envirocare for disposal. All outfalls are permitted under an active NPDES permit. Routine monitoring activities are in place. Based on NPDES monitoring report data reviewed, it appears that the facility is in compliance with qualitative and quantitative conditions of the permit.

9.26.4.2.1 Sanitary Wastewater

There is no sanitary wastewater flowing into the building, as the new wastewater treatment plant is in use. No wastewater flows from the building. According to the diagram of underground utility lines, shown in Attachment 5 (Section 9.26.6.5), collection and discharge lines are in place.

9.26.4.2.2 Storm Wastewater

Some groundwater does collect in the basement. As necessary, the water in the basement is tested for the presence of radioactive material. It is pumped to Building WD for treatment if it is contaminated and pumped to Building 57, the current sanitary disposal plant, if it is not contaminated.

9.26.4.2.3 Chemicals

No chemicals are stored or used in Building SD.

9.26.4.3 Potable and Service Water

No potable or service water is supplied to the building.

9.26.4.4 Chemical Storage and Hazardous Materials

There are no chemicals or hazardous materials stored in the building. There are many drums stored outside the facility. These drums can be traced to the D&D program. Several of them have been there since 1992. The drums are not protected from the weather and many have started to rust. The drums are not labeled. Some of the drums may belong to Building WD.

The building is empty and is currently undergoing D&D. There are no emergency evacuation signs posted in work areas.

There are no aboveground storage tanks in or around the building. There are no sumps, separators, or catch basins in or around the building. There three underground storage tanks associated with this building. The underground storage tanks will be removed as part of the ER/D&D project. There are sludge drying beds associated with the building. These beds are potentially contaminated with radioactive materials and metals. Building SD, the beds, and the surrounding area are being removed under the D&D Program (*Operable Unit 9, Site Scoping Report: Volume 7-Waste Management*, 2-93).

The building has been tested and does contain suspected asbestos-containing building material (MD-10391, *Asbestos Program Manual*, 9-14-95).

There are no capacitors or transformers containing polychlorinated biphenyls (PCB's) located in the building.

9.26.4.5 Solid and Hazardous Wastes

There are no solid or hazardous wastes generated in the building. The building is awaiting demolition.

9.26.4.6 Waste Minimization and Pollution Prevention

There are no plans for waste minimization or pollution prevention. The building is scheduled to be demolished.

9.26.5 Findings and Recommendations

Photographs were taken to document the environmental appraisal. They are included as Attachment 6 (Section 9.26.6.6). The environmental appraisal of Building SD indicates that the following actions items, in priority order, should be planned and scheduled for accomplishment thus assuring the best management and operating practices are in place.

SD-1 Drums located around the facility are not stored in accordance with current procedures, DOE Orders or regulatory requirements. Drums that are improperly stored around the facility should be labeled and protected from the environment.

SD-2 Investigate the seepage of water into the building and the potential for the water to seep out and possibly further contaminate the environment.

9.26.6.1 Environmental Appraisal Checklist

ENVIRONMENTAL APPRAISAL CHECKLIST

Building Name SD

Appraisers:

Mary E Simons
Name Discipline

Nick Scott
Name Discipline

Terry L Glaspie
Name Discipline

Marie-Louise Hoagland
Name Discipline

Building Manager: JEFFREY L. BOSTON

Process Manager: LYNN NULL

Date: 2/21/96

ENVIRONMENTAL APPRAISAL CHECKLIST

Table of Contents

Checklist	Page
Clean Water Act	1
Clean Air Act	2
Hazardous Materials	4
Safe Drinking Water Act	7
RCRA Hazardous Waste	8
TSCA and NESHAP Requirements for Asbestos	13
TSCA—PCB	14
Low-level and Transuranic Waste	17
Waste Minimization/Pollution Prevention Activities	22

Environmental Appraisal Checklist

Building Name: SD

Appraisers: Terry Glander, John Puckett, Mary-Louis Hoagland, Mary Sizemore

Date: 2/20/96

Clean Water Act (CWA) Screening Checklist

Question	Response	Comments
Does the outside drain spouting of the building discharge directly to a storm sewer/sanitary system?	Y / N	If the answer to any of these questions is yes, proceed with the following checklist.
Are there sinks, toilets and floor drains in the building?	Y / N	
Are chemicals being used in the building?	Y / N	
Is there a process which discharges to the storm or sanitary system?	Y / N	

CWA Checklist

Regulatory Guideline	Question	Response	Comments
40 CFR 122 Appendix D Table V	If chemicals are used/stored in the building, are they on the attached list? Are they properly contained?	Y / N Y / N	
	Is the building in operation? What are the processes and where do they discharge to?	Y / N _____ _____	
	Do the floor drains, sinks & toilets appear to be draining properly?	Y / N	
OAC 3745-33	Do the floor drains and sinks drain to a sanitary or storm sewer?	Sanitary Storm	
	Is there a sump/pit in the building? If so, what does it contain? How often is it pumped out? Does water collect in sump? Does sump have secondary containment?	Y / N _____ _____ Y / N Y / N	
	Are there any manholes, catch basins, drains, or fill pipes in or around the building? If so, are there any unusual appearances, colors, and/or odors? Describe in comment section. Can chemicals flow into the drain?	Y / N Y / N Y / N	

9.26-9

9-26-10

Environmental Appraisal Checklist

Building Name: SD

Appraisers: Terry Glander, John Puckett, Mary-Louis Hoagland, Mary Sizemore

Date: 2/20/96

Clean Air Act (CAA) Screening Checklist

Regulatory Guideline	Question	Response	Comments
	Are there any rooms that have air emissions sources that vent to the outside of the building, e.g., fumehoods, equipment? If so, note the rooms.	Y / N	
OAC 3745-35	Using the air emissions inventory reference for this building, are there any sources in the building that are not documented?	Y / N	
	Is there evidence of fugitive dust emissions inside or outside of the building	Y / N	

CAA Checklist

Regulatory Guideline	Question	Response	Comments
	Are there existing air permits or applications applicable to the building?	Y / N	
OAC 3745-31,35	If yes, are the terms and conditions of the permit or the information included on the application (see air emissions database) being followed? Note any differences and update the air emissions database.	Y / N	
OAC 3745-31	Are there any sources that are not included in the air emissions database? If so, note the room, hood number, active or not, POC, and applicable air emission database information on Table B.	Y / N	
OAC 3745-31-03	Are there sources which are lab equipment of lab fumeheads used exclusively for chemical or physical analyses and bench scale lab equipment? These sources do not require a permit. However, the air emissions database should be updated.	Y / N	
	Has there been any release of air contaminants from this building?	Y / N	

Environmental A[illegible]al Checklist

Building Name: SD

Appraisers: Terry Glander, Mary-Louis Hoagland, John Puckett, Mary Sizemore

Date: 2/20/96

CAA Checklist

Comments: Note the number of sources/hoods per room, the number that are active, and the POC on the reference document.

TABLE A

Process Source	Room Number	Hood Number	In Database	Active	Chemicals Used	Quantity Used	Quantity to Waste Management	Hours/Yr. Operation	Air Emissions
			Y / N	Y / N					
			Y / N	Y / N					
			Y / N	Y / N					
			Y / N	Y / N					
			Y / N	Y / N					

Source: _____

9.26-11

9.26-12

Environmental Appraisal Checklist

Building Name: SD

Appraisers: Terry Glander, Mary-Louis Hoagland, John Puckett, Mary Sizemore

Date: 2/20/96

Hazardous Materials (HM) Screening Checklist

Question	Response	Comments
Are any chemicals used or stored in this building, now or in the past?	Y / N	If the answer is yes, proceed with the following checklist.

HM Checklist

Regulatory Guideline	Question	Response	Comments
29 CFR 1910.1200(b,f)	All containers of hazardous chemicals shall be labeled as to the identity of the chemical and the appropriate hazard warnings.	Y / N	
29 CFR 1910.1200(g)	MSDS shall be available to the employees in close proximity to the work area.	Y / N	
29 CFR 1910.22, 1910.106, 1910.176	All places of employment, passageways, storerooms and service areas shall be kept clean and orderly and in a sanitary manner. Aisles shall be unobstructed. Drums and containers are not leaking and are tightly sealed.	Y / N	
29 CFR 1910.106	Storage cabinets for flammable materials are constantly kept closed, are fire resistant and are labeled "FLAMMABLE - Keep Fire Away". Containers inside should be labeled and closed. No spills inside cabinet.	Y / N	
29 CFR 1910.106(d)(7)	Incompatible chemicals are not stored together.	Y / N	
29 CFR 1910.106(d)(4)	Inside Flammable/combustible storage rooms must meet the following: 4 in. raised sill or trench that drains to a safe area, liquid tight wall/floor joints, self-closing doors, gravity or mechanical exhaust providing 6 room changes/hr., exhaust switch located outside room, at least one 3 ft. aisle; no cracks in secondary containment.	Y / N	

Environmental Appraisal Checklist

Building Name: SD

Appraisers: Terry Glander, Mary-Louis Hoagland, John Puckett, Mary Sizemore

Date: 2/20/96

HM Checklist

Regulatory Guideline	Question	Response	Comments
29 CFR 1910.106(d)(7)	All flammable/combustible storage locations have at least one 12-B portable fire extinguisher located outside and within 10 ft. of a door opening into any room for storage. No smoking signs are posted.	Y / N	
29 CFR 1910.151	Eyewashes/showers shall be provided within the work area. Ensure unit is operational.	Y / N	
CGA P-1 3.3 & 3.3.10	All gas cylinders (full or empty) shall carry a legible label or marking identifying the contents.	Y / N	
CGA P-1 3.5.3	Full and empty containers should be stored separately with the storage layout planned so that containers comprising of old stock can be removed first with a minimum handling of other containers.	Y / N	
CGA P-1 3.5.8	All compressed gas containers in service or in storage shall be stored standing upright and the container shall be secured.	Y / N	
CGA P-1 4.2.2	Oxygen cylinders shall be separated from flammable gas containers or combustible materials a minimum of 20 ft. or a noncombustible barrier 5 ft. high.	Y / N	
29 CFR 1910.104(2)(10)	Oxygen stored as a liquid shall be on a noncombustible surface. Asphalt is considered combustible. Wood and long dry grass shall be cut back 15 ft. from the container.	Y / N	
29 CFR 1910.104	Bulk oxygen storage shall be permanently placarded "OXYGEN - NO SMOKING - NO OPEN FLAMES".	Y / N	
	Is there a sign posted in each work area regarding emergency egress and emergency response action?	Y / N	
	Is there an emergency response plan available?	Y / N	

9.26-13

9.26-14

Environmental Appraisal Checklist

Building Name: SD

Appraisers: Terry Glander, John Puckett, Mary-Louis Hoagland, Mary Sizemore

Date: 2/20/96

HM Checklist

Regulatory Guideline	Question	Response	Comments
	Is there a process area?	Y / N	
	Does it have proper containment?	Y / N	
	Is there a liquid bulk transfer area?	Y / N	
	Is there proper containment?	Y / N	
	Is there an above ground storage tank? If so, complete Table B.	Y / N	

Above Ground Storage Tanks Inventory

TABLE B—Above Ground Storage Tanks Inventory

Building	Capacity (Gal.)	Contents	Estimated Volume	In Service	Containment	Visual Stains/ Contamination	If Empty, Flushed
				Y / N	Y / N	Y / N	Y / N
				Y / N	Y / N	Y / N	Y / N
				Y / N	Y / N	Y / N	Y / N
				Y / N	Y / N	Y / N	Y / N
				Y / N	Y / N	Y / N	Y / N
				Y / N	Y / N	Y / N	Y / N
				Y / N	Y / N	Y / N	Y / N

Source: _____

Environmental Appraisal Checklist

Building Name: SD

Appraisers: Terry Glander, John Puckett, Mary-Louis Hoagland, Mary Sizemore

Date: 2/20/96

Safe Drinking Water Act (SDWA) Screening Checklist

Does this facility have potable water?	Y / N	If yes, conduct the following survey.

SDWA Checklist

Regulatory Guideline	Question	Response	Comments
OAC 3745 95-02 (A)	Do actual or potential cross-connections exist between potable (light green) and service water (dark green)?	Y / N	
OAC 3745 95-04 (B)(C)	Are backflow prevention devices installed where cross connections (hoses connected to faucets, hot water tank vented directly to a drain) exist?	Y / N	
	Are sources of service water (janitorial and laboratory faucets, or outdoor spigots) posted as non-potable water sources?	Y / N	
	Does the facility contain any water coolers or fountains that are not lead free? Complete Table C.	Y / N	

TABLE C—Water Fountain Survey

Building	Location	Model #	Comments / Date of Analysis for Lead

Source: _____

9.26-15

9.26-16

Environmental Appraisal Checklist

Building Name: SD

Appraisers: Terry Glander, Mary-Louis Hoagland, John Puckett, Mary Sizemore

Date: 2/20/96

RCRA Screening Checklist

Does this facility generate waste or use chemicals?	Y / N	If yes, conduct the following survey.

RCRA Checklist

Regulatory Guideline	Question	Response	Comments
OAC 3745 52-11	Has any material generated been characterized RCRA hazardous? Was charactarization by analysis or by process knowledge? Are lab results or documentation of process knowledge readily available? Note any uncharacterized material in comment section. Is it waste? If yes, proceed with next section.	Y / N analysis / process Y / N Y / N	
OAC 3745 52-11	Are any of the materials noted RCRA hazardous waste? If no, note and stop here. If yes, note the location of the management unit, and the method of management, and proceed with the appropriate section below.	Y / N	

Environmental Appraisal Checklist

Building Name: SD

Appraisers: Terry Glander, Mary-Louis Hoagland, John Puckett, Mary Sizemore

Date: 2/22/96

RCRA Checklist

Regulatory Guideline	Question	Response	Comments
I. HAZARDOUS WASTE STORED IN CONTAINERS			
	Is there an area in the building that could qualify as a Satellite Accumulation Area? Is it treated as such?	Y / N Y / N	
OAC 3475-52-34 (C)	Has any of the RCRA hazardous waste in this building been managed in Satellite Accumulation Areas? If no, proceed to the next section. If yes, answer the following.	Y / N	
	Are the containers marked with the words hazardous waste, or other words denoting the hazard?	Y / N	
	Are the containers in good condition?	Y / N	
	Are the waste compatible with the containers?	Y / N	
	Are containers managing ignitable hazardous waste stored at least 50 feet from the plant site boundary?	Y / N	
	Are containers kept closed and locked except during filling?	Y / N	
	Are containers moved within 3 days of being filled?	Y / N	

9.26-17

Environmental Appraisal Checklist

Building Name: SD

Appraisers: Terry Glander, Mary-Louis Hoagland, John Puckett, Mary Sizemore

Date: 2/22/96

RCRA Checklist

Regulatory Guideline	Question	Response	Comments
OAC 3745-52-11 (A)	If a Satellite accumulation area has been abandoned and/or if waste left in place, and the containers may be subject to the 90-day-storage exclusion. If this exclusion does not apply, go to the next section. If the containers have been in storage under this exclusion, answer the following:		
	Are the containers in good condition?	Y / N	
	Are the waste compatible with the containers?	Y / N	
	Are the containers kept closed except during filling?	Y / N	
	Are the containers managed in such a way, that they are not ruptured, or leaks caused?	Y / N	
	Is the area inspected at least once weekly?	Y / N	
	Is the inspection recorded? Where is the log? Is it properly completed, dated, and signed?	Y / N _____ Y / N	
	• Are containers managing ignitable hazardous waste stored at least 50 feet from the facility boundary?	Y / N	
	Are incompatible wastes managed in such a way that they will not react with another incompatible waste?	Y / N	
OAC 3745-52-34(B)	Has any of the waste (except in Building 23, Building 72 and the Burn Area) been managed in excess of 90-days?	Y / N	
	If no go to next section.		
	If yes, note.		
	For Building 23, Building 72 & Burn Area use special checklist.		

Environmental Appraisal Checklist

Building Name: SD

Appraisers: Terry Glander, Mary-Louis Hoagland, John Puckett, Mary Sizemore

Date: 2/20/96

RCRA Checklist

Regulatory Guideline	Question	Response	Comments
II. HAZARDOUS WASTE STORED IN TANKS			
OAC 3745-52-32 (B)	Has any chemical waste stored in a tank, piece of process equipment or ancillary equipment been in storage in excess of 90-days?	Y / N	
	If the answer was no, then proceed with the following:	Y / N	
	Has the tank or piece of equipment had an integrity assessment?	Y / N	
	Is there a sump?	Y / N	
	Is it dry?	Y / N	
	Does the tank or equipment have secondary containment?	Y / N	
	Does the tank or equipment have leak detection device(s)?	Y / N	
	Has spill control prevention been enacted?	Y / N	
	Has any hazardous waste stored in a tank, piece of process equipment or ancillary equipment been in storage in excess of 90-days?	Y / N	
	If the answer was no, then proceed with the following:		
	Has the tank or piece of equipment had an integrity assessment?	Y / N	
	Does the tank or equipment have secondary containment?	Y / N	
	Does the tank or equipment have leak detection device(s)?	Y / N	
	Has spill control prevention been enacted?	Y / N	
	Is there a closure plan?	Y / N	
	If yes, then note.		
OAC 3745-67	Has any of the waste been managed in a surface impoundment? If yes, then note. Go to the next section.	Y / N	

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9.26-20

Environmental Appraisal Checklist

Building Name: SD

Appraisers: Terry Glander, Mary-Louis Hoagland, John Puckett, Mary Sizemore

Date: 2/20/96

RCRA Checklist

Regulatory Guideline	Question	Response	Comments
OAC 3745-68	Has any of the waste been managed in a Landfill? If yes, then note. Go to the next section.	Y / N	
OAC 3745-68	Has any of the waste been managed in an Incinerator (other than Burn area units)? If yes, then note. Go to the next section.	Y / N	
OAC 3745-68	Has any of the waste been managed in a Thermal treatment Unit (other than Burn area units)? If yes, then note. Go to the next section	Y / N	
OAC 3745-69	Has any of the waste been managed in a Miscellaneous Treatment Unit (other than Burn area units)? If yes, then not. Go to the next section.	Y / N	
OAC 3745-56	Has any of the waste been managed in a Waste Pile? If yes, then note. Go to the next section.	Y / N	

General Comments:

Environmental Appraisal Checklist

Building Name: SD

Appraisers: Terry Glander, Mary-Louis Hoagland, John Puckett, Mary Sizemore

Date: 2/20/96

Asbestos Screening Checklist

Does this facility contain ACBM?	Y / N	If yes, conduct the following survey.

Asbestos Checklist

Note: Routinely, the asbestos standard for ACBM in schools has been applied to facilities for purpose of cleanup. In addition to AEHERA, there are additional standards in the NESHAPS that may be of importance.

Regulatory Guideline	Question	Response	Comments
ADAPTED FROM TSCA ACBM IN SCHOOLS:			
	Has this building been characterized either through process knowledge, by analyses, or by inspection to determine if it contains asbestos?	Y / N	
	If no for this building or area note this conclusion in the comment section.		
	Is there any evidence of friable asbestos?	Y / N	
	Is the asbestos removal properly managed? (See questions listed below)	Y / N	If there is no asbestos removal, do not complete the following section.
NESHAPS FOR ASBESTOS FOR ANY ONGOING ASBESTOS REMOVAL:			
40 CFR 61.156	There are no discharges of visible emissions to the outside air from collection, processing, packaging, transporting, or deposition of ACBM during the removal.	Y / N	
40 CFR 61.152(b) (1)	ACBM is treated with water in accordance with 40 CFR 152(b)?	Y / N	
40 CFR 61.154	Is friable asbestos adequately wetted during stripping? Or, has an adequate ventilation and collection system been installed?	Y / N	
40 CFR 61.152	Is wetting continued until the waste friable asbestos is collected for disposal?	Y / N	

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Environmental Appraisal Checklist

Building Name: SD

Appraisers: Terry Glander, Mary-Louis Hoagland, John Puckett, Mary Sizemore

Date: 2/20/96

Toxic Substances and Control Act (TSCA) PCB's Screening Checklist

Does this facility potentially contain any PCB's or PCB contaminated equipment?	Y / N	If yes, are transformers labeled (Blue or Yellow stickers)? If yes, conduct the following survey.

TSCA Checklist

Regulatory Guideline	Question	Response	Comments
40 CFR 761	Has any waste generated in, or from, this building been characterized either through process knowledge or by analyses to determine if it contains PCB's ? If the answer is no, note . If the answer is yes, proceed with next section.	Y / N	
	Based on an inspection, are any of the materials or equipment potentially PCB contaminated? If no, note and stop here. If yes, note the location of the management unit, and the method of management, and proceed.	Y / N	
40 CFR 761.65 (c) (5)	Are PCB articles or containers stored in this building checked for leaks at least once every 30 days?	Y / N	
	If yes, are auditable records maintained.	Y / N	
40 CFR.30 (a) (1) (ix)	Are any PCB transformers in use, or stored for possible reuse, that contain PCB's at concentrations of 500 ppm or greater?	Y / N	
	Are they visually inspected quarterly? If yes, are auditable records maintained?	Y / N	

Environmental Appraisal Checklist

Building Name: SD

Appraisers: Terry Glander, Mary-Louis Hoagland, John Puckett, Mary Sizemore

Date: 2/20/96

TSCA Checklist

Regulatory Guideline	Question	Response	Comments
40 CFR 761.30 (a) 1,viii	Are all combustible materials (i.e., paints, solvents, plastics, paper, sawn wood, etc.) cleared from areas containing PCB transformers to a distance of five meters?	Y / N	
40 CFR 761.65 (b) (8)	Are all PCB articles and containers labeled with the date they were placed in storage?	Y / N	
	Are labeled PCB articles and containers stored so that the labels can be referenced?	Y / N	
40 CFR 761.65 (a)	Are all PCB's and PCB contaminated items at concentrations above 50 PPM, that are stored for disposal, stored no longer than one year from the date they were placed in storage?	Y / N	
40 CFR 761.62 (b) (1) (i)	Do all PCB storage areas have an adequate roof and walls to prevent rainwater from reaching the stored items?	Y / N	
40 CFR 761.62 (b) (1) (iv)	Are storage are floors curbed and constructed of continuous smooth and impervious materials?	Y / N	
40 CFR 761.62 (b) (1) (i)	Are the curbs at least 6 inches high?	Y / N	
40 CFR 761.62 (b) (1) (iii)	No drains are allowed in storage areas. Are there drains in the storage areas?	Y / N	

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Building Name: SD

Appraisers: Terry Gland, Mary-Louis Hoagland, John Puckett, Mary Sizemore

Date: 2/20/96

TSCA Checklist

Regulatory Guideline	Question	Response	Comments
40 CFR 761.65 (c) (2)	Only non-leaking and undamaged large high voltage PCB's capacitators and PCB-containing electrical equipment are allowed to be stored outside of PCB storage areas, on pallets if stored outside, with containment for 10 percent of the volume of the equipment. Do all PCB's stored in this configuration conform with this requirement?	Y / N	
40 CFR 761.45 and .65	Are all PCB storage areas marked with a large PCB mark as described in 40 CFR 761.45 (a)?	Y / N	
40 CFR 761.65 (c) (5)	Have all leaking PCB articles and containers been transferred to non-leaking containers?	Y / N	
40 CFR 761.65 (c) (6)	Do all PCB storage containers for the storage of liquid and non-liquid PCB's comply with DOT shipping container specifications?	Y / N	

GENERAL COMMENTS:

Environmental Appraisal Checklist

Building Name: SD

Appraisers: Terry Glander, John Puckett, Mary-Louis Hoagland, Mary Sizemore

Date: 2/20/96

Low-Level Waste and Transuranic Waste Screening Checklist

Does this facility contain radioactive waste ?	(Y) / N	If yes, conduct the following survey.

Low-Level Waste and Transuranic Waste Checklist

Regulatory Guideline	Question	Response	Comments
Low-Level Waste			
DOE Order 5820.2A Chapter III	Can any waste generated in, or from, this building be characterized either through process knowledge or by analyses to determine if it is LLW ? If the answer is no, note. If the answer is yes, proceed with next section.	(Y) / N	Will be decontaminated and decommissioned. WASTE will be packaged as Radioactive WASTE
DOE Order 5820.2A Chapter III.	Are any of the materials noted by inspection LLW? If no, The audit would stop here, because there are no LLW. If yes, note the location of the management unit, and the method of management, and proceed with the section below.	Y / (N)	
DOE Order 5820.2A Chapter III, 3.a.	Have the storage configurations in use in this area been taken into account for keeping external exposures to the general public below 25 mrem/yr?	Y / N	
	Is the waste stored in a configuration that protects ground-water resources?	Y / N	
DOE Order 5820.2A Chapter III, 3.b.	Has monitoring been conducted in this area in accordance with DOE Order 5820.2A in order to evaluate the area against the performance standard?	Y / N	
	Based on field data, does the monitoring conducted in this area conform to the performance standard?	Y / N	

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9.26-26

Environmental Appraisal Checklist

Building Name: SD

Appraisers: Terry Glander, Mary-Louis Hoagland, John Puckett, Mary Sizemore

Date: 2/20/96

Low-Level Waste and Transuranic Waste Checklist

Regulatory Guideline	Question	Response	Comments
DOE Order 5820.2A Chapter III, 3.d.	Based on field data, is the characterization of the materials in this area sufficient to assure proper segregation to assure proper segregation, treatment, storage, and disposal?	Y / N	
	Based on field data does the characterization as documented at the time of generation of the waste ensure that the actual physical and chemical characteristics, and major radionuclide content of this material are recorded and known at all stages of the waste management process?	Y / N	
	Do characterization data include the following:		
	Physical and chemical characteristics of the waste?	Y / N	
	Volume of the waste (including solidification and absorbent material)?	Y / N	
	Weight of the waste (including solidification and absorbent material)?	Y / N	
	Major radionuclides and their concentrations?	Y / N	
	Packaging date, package weight, external volume?	Y / N	
	How were the concentration of radionuclides determined? Direct methods?	_____	
	How were the concentrations of radionuclides determined? Indirect methods?	_____	
DOE Order 5820.2A Chapter III, 3.h	Is the storage configuration in long term storage sufficient to meet the performance standard?	Y / N	
	Are records maintained at the facility enabling this waste to be traced from its origin?	Y / N	

Building Name: SD

Appraisers: Terry Glander, John Puckett, Mary-Louis Hoagland, Mary Sizemore

Date: 2/20/96

Low-Level Waste and Transuranic Waste Checklist

Regulatory Guideline	Question	Response	Comments
TRU WASTE			
	Can any waste generated in, or from this building be characterized either through process knowledge or by analyses to determine if it is TRU waste? If no, note and stop. If yes, proceed with the next section.	(Y) / N	Potentially during the decontamination and decommissioning process
	Are any of the materials noted as being TRU waste during an inspection? If no, note and stop. If the answer is yes, note the location of the management unit, and the method of management and proceed with the appropriate section below.	Y / (N)	
DOE Order 5820.2A, Chapter II, 3.a	Was this material evaluated as soon as possible in the generating process, to determine if it is TRU (>100nCi/g), if it is recoverable, or if it is waste? (Note if the activity level is less than 100nCi/g, the waste is not TRU, and can be managed as LLW.)	Y / N	
	Did the determination of TRU radionuclide concentration include the mass of the container, including shielding? These should be included in calculating the specific activity of the waste.	Y / N	

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Environmental Appraisal Checklist

Building Name: SD

Appraisers: Terry Glander, Mary-Louis Hoagland, John Puckett, Mary Sizemore

Date: 2/20/96

Low-Level Waste and Transuranic Waste Checklist

Regulatory Guideline	Question	Response	Comments
DOE Order 5820.2A, Chapter II, 3.b	Has the TRU waste been assayed or otherwise evaluated to determine its radioactive content prior to storage?	Y / N	
	Has the TRU waste been characterized or otherwise evaluated to determine if hazardous waste is present?	Y / N	
	Has classified TRU waste been treated to destroy the classified characteristics?	Y / N	
DOE Order 5820.2A, Chapter II 3.d	Has all newly generated TRU waste been packaged in non-combustible packaging that meets DOT requirements?	Y / N	
	Have all Type A TRU waste packages been equipped with a method to prevent pressure buildup?	Y / N	
	Have all TRU packages been marked, labeled and sealed in accordance with 40 CFR 261 Subpart C and 49 CFR 172 Subparts D, E and 49 CFR 173 Subpart I?	Y / N	

Environmental Appraisal Checklist

Building Name: SD

Appraisers: Terry Glander, Mary-Louis Hoagland, John Puckett, Mary Sizemore

Date: 9/20/96

Low-Level Waste and Transuranic Waste Checklist

Regulatory Guideline	Question	Response	Comments
DOE Order 5820.2A, Chapter II 3.e	Has the TRU waste been segregated in manner that will not permit commingling of TRU waste with LLW or high-level waste?	Y / N	
	Has the TRU waste been protected from unauthorized access?	Y / N	
	Has the TRU waste been monitored periodically to ensure that it is not releasing its radioactive and/or hazardous constituents?	Y / N	
	Has this TRU waste storage area been designed, constructed, maintained, and operated to minimize the possibility of fire, explosion, or accidental release of its radioactive and/or hazardous constituents?	Y / N	
	Does the facility have a contingency plan designed to minimize the adverse impacts of fire, explosion, or accidental release of its radioactive and/or hazardous constituents?	Y / N	

GENERAL COMMENTS:

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Environmental Appraisal Checklist

Building Name: SD

Appraisers: Terry Glander, Mary-Louis Hoagland, John Puckett, Mary Sizemore

Date: 2/20/96

Waste Minimization/Pollution Prevention Activities Screening Checklist

Does this facility generate waste or use chemicals?	Y (N)	If yes, conduct the following survey.

Waste Minimiaztion/Pollution Prevention Activities Checklist

Regulatory Guideline	Question	Response	Comments
	Based on available information and a walk through, are there any apparent opportunities to curtail the consumption of raw materials (including but not limited to paper, chemicals, electricity, and etc.). If yes, list candidate areas in the comment section.	Y / N	
	Are there solvent wastes?	Y / N	
	Is vehicle maintenance performed?	Y / N	
	Are oils used ?	Y / N	
	Are these corrosive wastes?	Y / N	
	Are there sludges?	Y / N	
	Are there halogenated organic (nonsolvent) wastes?	Y / N	
	Are metals recovered from wastewater?	Y / N	
	Is waste sludge generated?	Y / N	
	Are any waste minimization practices used that reduce the generation of sludge?	Y / N	
	Ion exchange process?	Y / N	
	Lead in gasoline lowered to reduce tank sludge toxicity?	Y / N	
	Storage tank agitators installed?	Y / N	
	Corrosive resistant materials used?	Y / N	
	Prevention of crude oil oxidation ?	Y / N	
	Drying?	Y / N	

Building Name: SD

Appraisers: Terry Glander, Mary-Louis Hoagland, John Puckett, Mary Sizemore

Date: 2/20/96

Waste Minimization/Pollution Prevention Activities Checklist

Regulatory Guideline	Question	Response	Comments
HALOGENATED ORGANIC (NONSOLVENT) WASTES			
	Are halogenated organic wastes used as fuel in cement kilns?	Y / N	
	Are baghouse filters used to collect pesticides and pesticide intermediates?	Y / N	
	Are solid wastes generated from the collection of baghouse dust?	Y / N	
	Wet instead of dry grinding used?	Y / N	
	The output spray dried?	Y / N	
	Has baghouse emptying and recycling of baghouse fines been scheduled?	Y / N	
	Have operations been evaluated to improve procedures such as handling, storage and spill prevention for increased efficiency?	Y / N	
METAL WASTES			
	Are any technologies for the recovering of metals from waste rinsewater used?	Y / N	
	Evaporation of waste rinsewater?	Y / N	
	Reverse osmosis?	Y / N	
	Ion exchange?	Y / N	
	Electrolysis?	Y / N	
	Agglomeration?	Y / N	
CORROSIVE WASTES			
	Are acidic or basic cleaning solutions used as treatment for pH adjustment chemicals?	Y / N	

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Environmental Appraisal Checklist

Building Name: SD

Appraisers: Terry Glander, John Puckett, Mary-Louis Hoagland, Mary Sizemore

Date: 2/20/96

Waste Minimization/Pollution Prevention Activities Checklist

Regulatory Guideline	Question	Response	Comments
	Are ion exchange resins used to remove heavy metals and cyanides from acid and base solutions?	Y / N	
	Is crystallization used to remove corrosives from solution by cooling?	Y / N	
	Is the process of evaporation of liquid wastes by heating used to leave behind a more concentrated solution?	Y / N	
CYANIDE AND REACTIVE WASTES			
	Has non-cyanide or low concentration of cyanide process replaced zinc cyanide bath ?	Y / N	
	Are any of these processes used to recycle cyanide wastes?	Y / N	
	Refrigeration/crystallization?	Y / N	
	Evaporation?	Y / N	
	Ion exchange?	Y / N	
	Membrane separation which includes reverse osmosis or electrodialysis?	Y / N	
VEHICLE MAINTENANCE			
	How are auto parts cleaned?	Y / N	
	Solvent sink?	Y / N	
	Solvent dunk bucket?	Y / N	
	Solvent dip tank?	Y / N	
	Are parts cleaning solvents used for anything else besides cleaning parts?	Y / N	
	Are spills reduced by locating sinks or dunk buckets near auto service bays?	Y / N	

Environmental Appraisal Checklist

Building Name: SD

Appraisers: Terry Glander, John Puckett, Mary-Louis Hoagland, Mary Sizemore

Date: 2/20/96

Waste Minimization/Pollution Prevention Activities Checklist

Regulatory Guideline	Question	Response	Comments
	Are cleaned parts drained on the sink to minimize solvent spills?	Y / N	
	Are drip tanks used to capture losses?	Y / N	
	Is a solvent sink used for mineral solvents rather than a dunk bucket or dip tank?	Y / N	
	Does a waste hauler collect solvent waste for recycling or treatment?	Y / N	
OILS			
	What kind of oils are used?		
	Hydraulic oil?	Y / N	
	Transformer oil?	Y / N	
	Metal working fluids?	Y / N	
	Spent lubricating oils?	Y / N	
	Can the process be modified or changed to use water-based fluids?	Y / N	
	Are these good housekeeping and operation practices used to minimize oil waste production?		
	Use oils not contaminated with other liquids?	Y / N	
	Oil spills prevented?	Y / N	
	Drip pans installed?	Y / N	
	Oil soaked rags laundered?	Y / N	
	Rags and absorbants used to their limit?	Y / N	

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Environmental Appraisal Checklist

Building Name: SD

Appraisers: Terry Glander, John Puckett, Mary-Louis Hoagland, Mary Sizemore

Date: 2/20/96

Waste Minimization/Pollution Prevention Activities Checklist

Regulatory Guideline	Question	Response	Comments
	Are these treatment techniques used to promote separation of oil/water wastes?		
	Reclaiming process to remove water and solvents by heat?	Y / N	
	Gravity setting?	Y / N	
	Screening?	Y / N	
	Centrifugation?	Y / N	
	Filtration?	Y / N	
SOLVENT WASTES			
	Has there been an attempt to reduce volume or toxicity by:		
	Eliminating solvents?	Y / N	
	Reducing the use of solvents?	Y / N	
	Reducing the loss of solvents?	Y / N	
	Increasing recyclability?	Y / N	
	Are solvents segregated?	Y / N	
	Are waste solvents free from water and garbage?	Y / N	
	Are recycled solvent containers labeled as such?	Y / N	
	Are containers kept closed?	Y / N	
	Free and sheltered from the elements?	Y / N	
	Are solvent tanks kept as free from contaminations as possible so that the waste can be recycled?	Y / N	
	Is a method used to minimize the use of new materials such as a countercurrent process?	Y / N	

Environmental Appraisal Checklist

Building Name: SD

Appraisers: Terry Glander, Mary-Louis Hoagland, John Puckett, Mary Sizemore

Date: 2/20/96

Waste Minimization/Pollution Prevention Activities Checklist

Regulatory Guideline	Question	Response	Comments
	If there is a recycling program, what technique is used?	Y / N	
	Distillation?	Y / N	
	Solids removal?	Y / N	
	Dispersion breaking?	Y / N	
	Dissolved and emulsified organics recovery?	Y / N	
	Are any of these housekeeping procedures used to minimize the production of solvent wastes?		
	Separators cleaned and checked?	Y / N	
	Parts not allowed to enter the degreaser while wet?	Y / N	
	Sludge from the bottom of the tank not allowed to accumulate?	Y / N	
	Lids kept on tanks?	Y / N	
	Freeboard space on tanks increased?	Y / N	
	Are better operating practices used to reduce waste?	Y / N	
	How long is solvent waste stored and where?	_____ _____	

9.26-35

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9.26.6.2 Building Manager's Questionnaire

Shutdown D&D

Building Manager's Questionnaire

Building Name: SD Building Manager: J.L. Boston Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

1. What are the access requirements (training, clearance, etc.)?

2. What protective equipment is required to enter the building?

3. Are there any restricted areas? Yes No
   Where are they?

4. Provide a physical description of the building.

This is a one-story (with basement) concrete structure with BUM roof (coal tar). Total area is 1,593 ft^2. The building was built in 1948. It is contaminated with radiological materials.

Source: Mound Facility Physical Characterization, 12-1-93

5. Provide a drawing of the building.

Attached

6. What is the current building use?

Building is to be decontaminated and decommissioned (D & D).

Source: Mound Buildings, 5-9-95

7. What is the history of building use other than that described in #6?

Building served as a sewage disposal facility.

Source: Mound Buildings, 5-9-95

9.26-39

Building Manager's Questionnaire

Building Name: SD Building Manager: J.L. Boston Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

8. What are ongoing operations or processes? What are the raw materials and waste streams from each process? Who is the best contact for each process?

Process(es) Housed: Now closed - formerly the sanitary disposal plant

How Wastes Are Generated:

No wastes generated

Contact:
Phone #:

Source: Characterization of Mound's Hazardous, Radioactive, and Mixed Wastes, (8-15-90).

9.26-40

Building Manager's Questionnaire

Building Name: SD Building Manager: J.L. Boston Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

9. In the last six months, have any modifications been made to the building or to processes in the building? Yes No

10. Does the building have air emission sources? No

Process Source	Room Number	Hood Number	Active	Chemicals Used	Quantity Used	Quantity to Waste Management	Lbs./Yr. Operation	Air Emissions
			Y / N					
			Y / N					
			Y / N					
			Y / N					
			Y / N					

Source: Mound Air Emissions Database 11/30/95

9.26-41

Building Manager's Questionnaire

Building Name: SD Building Manager: J.L. Boston Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

11. Describe air pollution control equipment used to reduce emissions for each source. None Listed

Process Source	Emissions	Control Equipment	Functioning
			Y / N
			Y / N
			Y / N
			Y / N
			Y / N

Source: Air Permits 2/4/95

12. For existing permits are emissions monitored? At what frequency? Where are the records maintained? None Listed

Process Source	Permit	Log	Permit Conditions & Frequency of Monitoring
		Y / N	
		Y / N	
		Y / N	
		Y / N	
		Y / N	

Source: Air Permits 2/4/95

13. Does the building have domestic water service? Yes No
Is there bottled water? Yes No

14. Does the building discharge to the storm sewer? Yes No
Where?

15. Does the building discharge to the sanitary sewer? Yes No
Where?

16. Has an asbestos survey been conducted? Yes
What are the results? Yes

Source: Technical Manual MD-10391, Issue 3 Asbestos Program Manual 9/6/95

9.26-42

Building Manager's Questionnaire

Building Name: SD Building Manager: J.L. Boston Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

17. Does the building contain transformers or capacitors? No

Source: PCB ANNUAL DOCUMENT LOG

18. Has the building been identified as containing PCBs? No

Source: PCB ANNUAL DOCUMENT LOG

19. What chemicals are used or stored inside or outside of the building? Include compressed gasses not in large tanks.

Chemical Name	State	Amount (MAX)
NONE		

Source: Chemical Inventory 1994

Building Manager's Questionnaire

Building Name: SD Building Manager: J.L. Boston Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

20. Has there been a reported spill, leak, or other release of any chemical? Yes No
What, how much, and what clean-up measures were followed?

Chemical	Amount	Clean-up Measures

Source: _____

21. Where do waste chemicals go?

22. What janitorial supplies are stored inside or outside of the building?

23. Where do excess janitorial supplies go?

Source: _____

24. Are pesticides or herbicides stored or used in or around the building? Yes No

Chemical	Amount	Chemical	Amount

Source: _____

9.26-44

Building Manager's Questionnaire

Building Name: SD Building Manager: J.L. Boston Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

25. Does the building contain active or inactive above ground storage tanks? Yes No
For each tank, list the content, quantity, last inspection, registration number.

Registration Number	Content	Quantity	Last Inspection Date	Preventive Maintenance Performed	Inside Or Outside
68476-34-6	DIESEL	3000 (MAX)		Y/N	INSIDE
				Y/N	

Source: Emergency and Hazardous Chemical Inventory Form - Chemical Storage Tanks on EGG Mound Site Owned and Maintained by Outside Contractors 8/8/94

26. Is there a sump or pit or underground tank in or around the building?
Yes No Unknown
Is it double-walled? What does it contain? How many days per year is it filled?
Is there an emergency overflow tank? Have there been previous overflows?

Double-Walled	Contents	Days/Year in Use	Overflow Tank	Previous Overflow
Y / N			Y / N	Y / N

Source: _____

27. Does the building generate, store, or dispose of hazardous waste? Yes No

Materials	Amount
COD Solution	12.6
COD Solution	13.0
COD Solution	13.7
COD Solution, Nitric Acid	11.0
COD Vials	14.5
COD Vials	12.8
COD Vials	13.8
Corn Syrup	450.2
Corn Syrup	645.0
Corn syrup	512.0
Fix Sorb	503.7
Fix Sorb	550.5
Flocculant Waste	145.6
Flocculant Waste	181.9
Flocculant Waste	268.5
Flocculant Waste	262.5
Flocculant Waste	172.8

Building Manager's Questionnaire

Building Name: SD Building Manager: J.L. Boston Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

Materials	Amount
Flocculant Waste	217.7
Flocculant Waste	95.0
Hydrochloric Acid	1.4
Sodium Hydrogen Sulfite Solution	150.0
Sulfuric Acid Vials	31.0
Trichloroethylene	26.0
COD Digestion Solution	14.0

Source: Characterization of Mounds Hazardous, Radioactive, and Mixed Wastes 08/15/90

9.26-46

Building Manager's Questionnaire

Building Name: SD Building Manager: J.L. Boston Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

28. Does the building have abandoned process equipment such as tanks, piping, containers, etc.? Yes No

29. Is waste material stored in or around the building for more than 90 days?
Yes No

30. Has the building been identified as a 90-day waste accumulation area?
Yes No

31. Has any area in the building been identified as a satellite accumulation area?
Yes No

32. Is mixed waste generated, stored, or disposed of from the building? Yes No
Where are logs found?

Process	Waste	Stored	Disposed	Logs
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N

Source: _____

9.26-47

Building Manager's Questionnaire

Building Name: SD Building Manager: J.L. Boston Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

33. Is TRU radioactive waste generated, stored, or disposed of from the building?
Yes No
Where are logs found?

Process	Waste	Stored	Disposed	Logs
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N

Source: _____

9.26-48

Building Manager's Questionnaire

Building Name: SD Building Manager: J.L. Boston Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

34. Is low-level radioactive waste generated, stored, or disposed of from the building? Yes No
Where are logs found?

Process	Waste	Stored	Disposed	Logs
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N

Source: _____

35. Identify all administrative orders, temporary or permanent injunctions, civil administrative penalties, or criminal activities issued against the building.

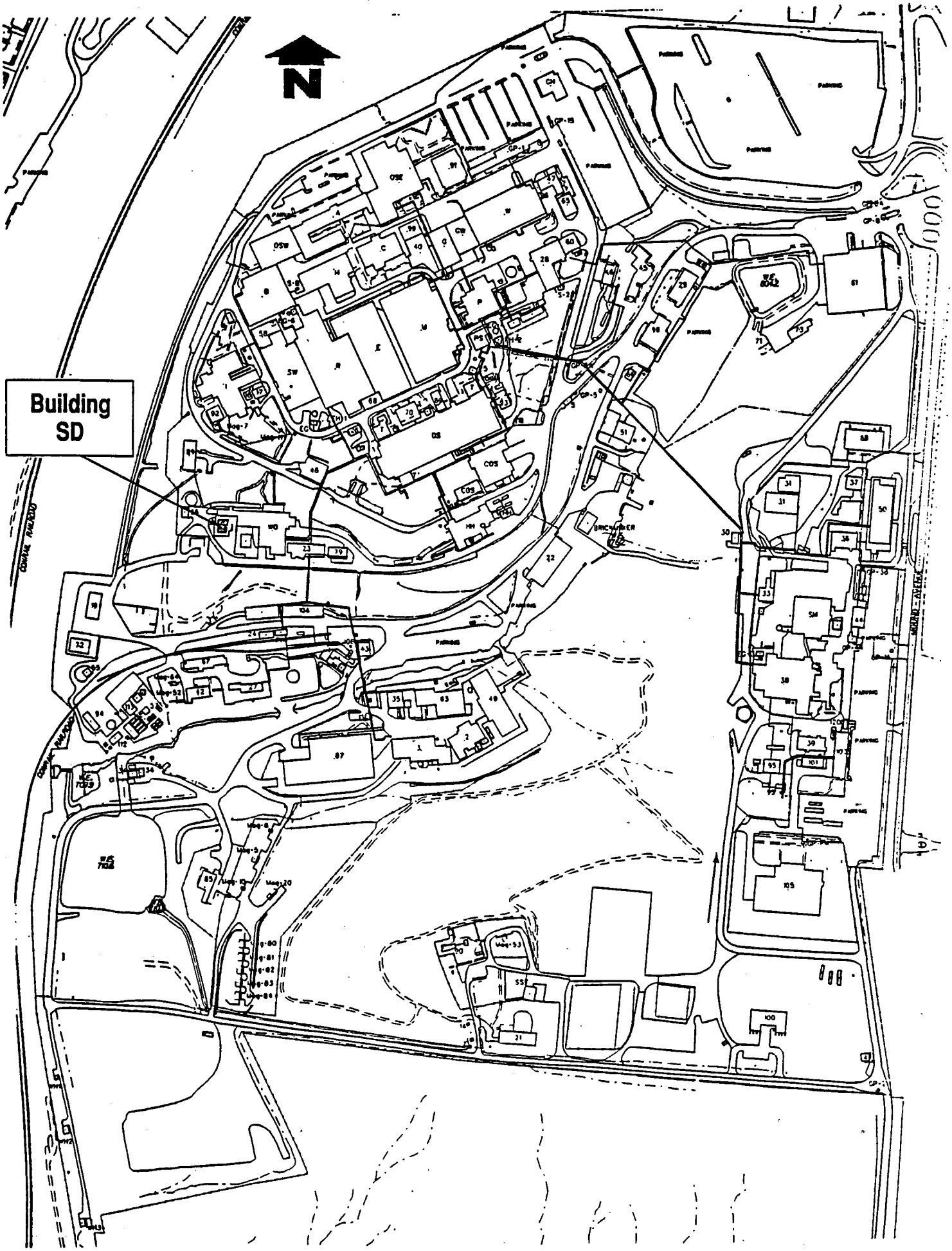
Building Manager's Questionnaire

Building Name: SD Building Manager: J.L. Boston Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

36. Is there a waste minimization program in the building? Yes No
Discuss your ideas about how to minimize waste.

37. Has a pollution prevention program been developed for the building? Yes No

9.26.6.3 Location of Building SD



SOURCE: Operable Unit 9, Site Scoping Report: Volume 7-Waste Management Mound Plant, 7-92

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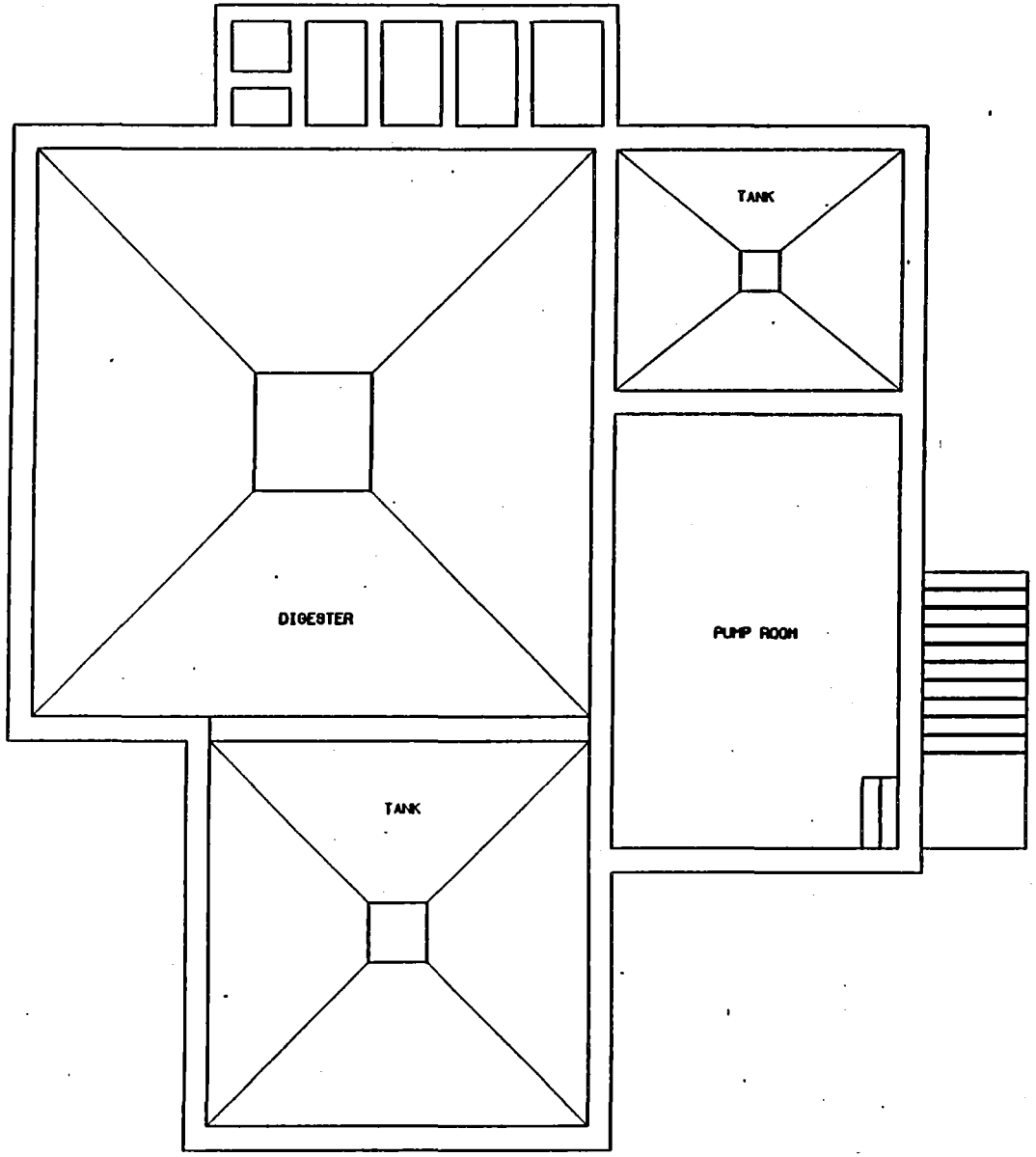
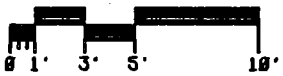
9.26.6.4 Floor Plans for Building SD

ISS	DATE	REVISION	BY	CHKR	ENG	LPRZ	APVD	R
0	12/12/91	ASBUILT ISSUE	DCB				DVD	





SD BLDG
BASEMENT
BLDG CODE:3517

APPROVALS: DATE:
SAFETY COMMITTEE REQUIRED:
___NONE ___TRUEBOC ___TEBOC ___EMBOC
TECH. REP. ____ ____
GR. MGR. ____ ____
TRUEBOC ____ ____
TEBOC ____ ____
EMBOC ____ ____

DESIGN ENG	PROJ MGR
BPCRA	ENG MGR
LP & EC	PEER REV
ENG MGR	
APVD	DATE

SHEET	1	2	3	4	5	6	TITLE (U) TITLE CLASSIFICATION
ISSUE	0	0					SD BLDG FLOOR PLANS
PART CLASSIFICATION							
DRAWING CLASSIFICATION: UNCLASSIFIED	SIZE: C	DRAWING NUMBER: FSC911321	JOB NUMBER: 12335				
DWG TYPE: SFP	PROJ: SD BLDG	CAGE: 14065	SCALE: AS NOTED	SHEET 1 OF 2			
STATUS: MD-REL-12/12/91	ORIGIN: MD-BR3-V3.0						

926 57

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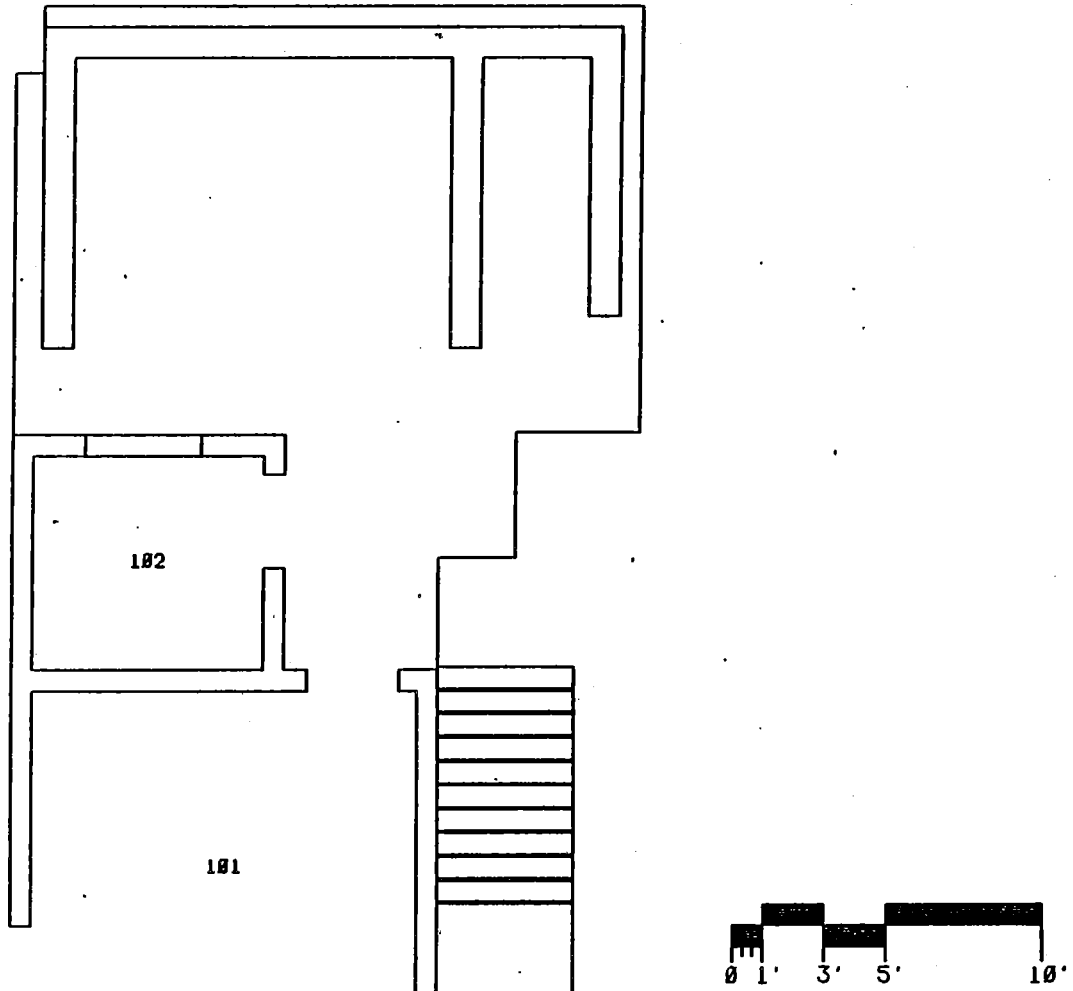

SD BLDG
FIRST FLOOR
BLDG CODE:3517

DRAWING NUMBER FSC911321	JOB NUMBER 12335
DRAWING CLASSIFICATION UNCLASSIFIED	
SIZE C	CODE 14865 / SCALE AS NOTED
	ISSUE 0 / SHEET 2
STATUS MO-REL-12/12/91	

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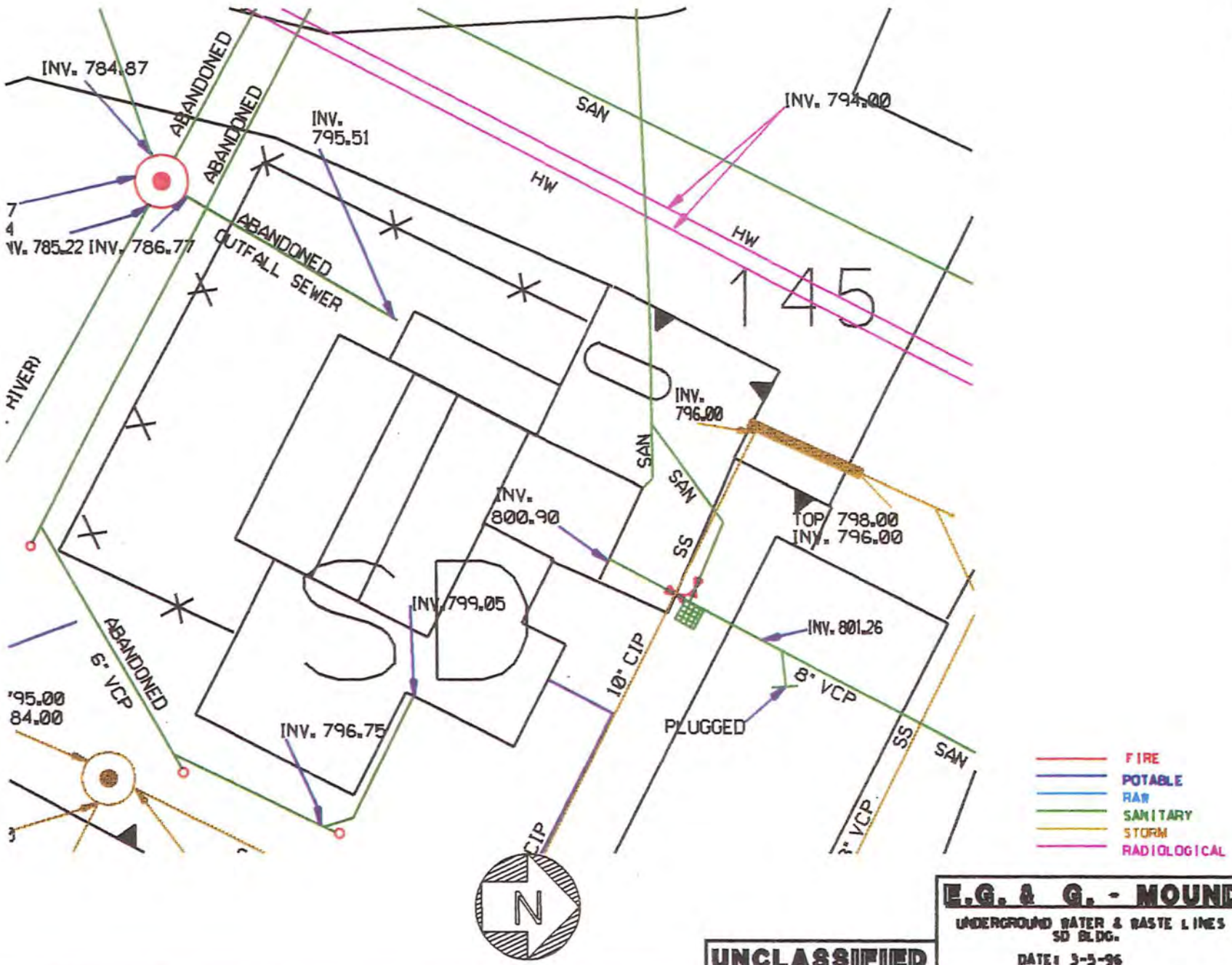
9.26.6.5 Underground Utility Lines


INV. 784.87
ABANDONED
ABANDONED
INV. 795.51
SAN
INV. 794.00
HW
HW
7
4
NV. 785.22 INV. 786.77
ABANDONED
OUTFALL SEWER
145
HIVER)
INV. 796.00
SAN
SAN
INV. 800.90
TOP 798.00
INV. 796.00
SS
INV. 799.05
INV. 801.26
ABANDONED
6" VCP
10" CIP
8" VCP
'95.00
84.00
INV. 796.75
PLUGGED
SS
SAN
CIP
N
FIRE
POTABLE
RAW
SANITARY
STORM
RADIOLOGICAL
E.G. & G. - MOUND
UNDERGROUND WATER & WASTE LINES
SD BLDG.
DATE: 3-5-96
UNCLASSIFIED

9.26-63

9.26.6.6 Photographs

Mound Plant Building SD

9.26-67

Mound Plant Building SD
Water in basement is tested before being discharged.

9.27 BUILDING SM

9.27.1 Scope of Building SM Report

In late 1995 and the early months of 1996, EG&G MAT performed a review of environmental conditions at the Mound Plant. The purpose was to develop a performance baseline, and to identify areas for improvement on a building and a sitewide basis. EG&G MAT did not perform a "due diligence" or Phase I Environmental Site Assessment as specified by ASTM 1527 or ASTM 1528. The scope of the appraisal effort and a discussion of the appraisal methodology are detailed in Sections 2.0 and 5.0, found in Volume 1 of this report.

Building SM was not inspected as it has been decontaminated and decommissioned (D&D). Building SM had been torn down before the plantwide building assessments were conducted.

9.27.2 Description of Building SM

Building SM was a one-story metal structure with a penthouse. The roof was built-up membrane with metal and asphalt. The building was constructed in 1963 and it contained approximately 21,700 square feet. The building was located on what is known as the SM/PP hill as shown in Attachment 1 (Section 9.27.4.1). Adjacent buildings were Building 36 to the north, Building 44 to the east, Building 38 to the south, and Building 33 to the west. Only portions of the foundation walls of Building SM remain.

The building was the original plutonium production facility. In 1972, a decontamination and decommissioning project removed the interior of the building along with the soil beneath the floor. During the 1990s, the outer shell of the building was taken down, with the last remnants being removed in 1995. A significant volume of low-specific activity (LSA) waste was generated during this operation. All waste was collected and transported by representatives of the EG&G Waste Management Group for ultimate disposal to an approved radioactive waste disposal site. There is no onsite treatment of waste. Waste disposal manifests and Certificates of Disposal are maintained by the EG&G Waste Management Group.

9.27.3 Summary of Findings

The building had been torn down after D&D operations were completed. An Environmental Site Assessment (ASTM E 1527-94 or ASTM E 1528-93) was not conducted. An Environmental Appraisal Checklist (EAC) was not prepared.

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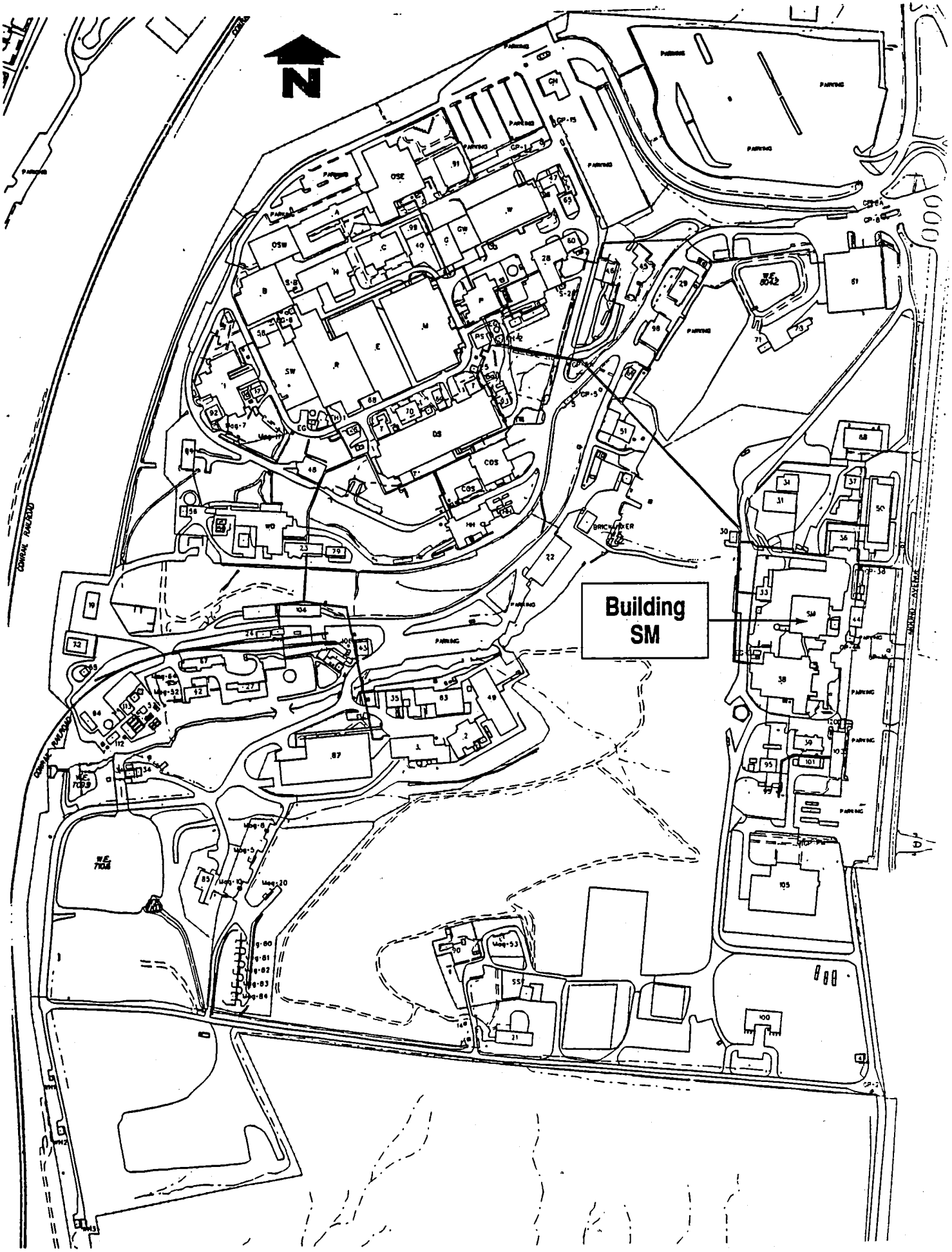
9.29.4.1 Location of Building SM



SOURCE: Operable Unit 9, Site Scoping Report: Volume 7-Waste Management Mound Plant, 7-92

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9.28 BUILDING SST

9.28.1 Scope of Building SST Report

In late 1995 and the early months of 1996, EG&G MAT performed a review of environmental conditions at the Mound Plant. The purpose was to develop a performance baseline, and to identify areas for improvement on a building and a sitewide basis. EG&G MAT did not perform a "due diligence" or Phase I Environmental Site Assessment as specified by ASTM 1527 or ASTM 1528. The scope of the appraisal effort and a discussion of the appraisal methodology are detailed in Sections 2.0 and 5.0, found in Volume 1 of this report.

The appraisal team performed a walk-through of Building SST on the morning of January 29, 1996. The Environmental Appraisal Checklist (EAC) was used to record findings. The EAC is included as Attachment 1 (Section 9.28.6.1). The appraisers were accompanied by the building manager. Other information was supplied by the building manager and recorded on the Building Manager's Questionnaire (BMQ), included as Attachment 2 (Section 9.28.6.2).

9.28.2 Description of Building SST

Building SST, used for storing road salt, is a one-story, 590-square-foot, slab-on grade structure with wood framing for the walls and roof. The front is open from wall to wall and from the ground to the roof. A 3-foot high concrete wall separates the wood structure from the slab and divides the area into two sections. Wood siding and the roof are covered with "Tar Paper." The location is shown in Attachment 3 (Section 9.28.6.3). The building is bordered by a gravel hardstand on all sides. The nearest buildings are Building 21 on the east and Building 53 on the west. There are no utility services to the building. Floor plans are presented as Attachment 4 (Section 9.28.6.4).

Building SST was constructed in 1974 (MD-10391, *Asbestos Program Manual*, 9-14-95). The building has been used for the same purpose since construction. Both sections of Building SST are used to store bulk salt for Mound roads and sidewalks. During winter months, two pieces of material handling construction equipment are located in the building.

9.28.3 Summary of Findings

The building is not well-maintained and the wood beams and siding show signs of potential failure. There was one issue of environmental concern identified during the walk-through or during review of reference materials.

9.28.4 Observations

9.28.4.1 Air Emissions

There are no fuel-burning units or fumehoods in the building. There is no evidence of fugitive dust, as there are no processes which could generate it. No air emissions permit applications have been submitted to the Ohio Environmental Protection Agency (OEPA) for activities in the building.

9.28.4.2 Wastewater Emissions

The Mound Facility has three wastewater collection systems: a sanitary wastewater system; a storm water system; and a radioactively contaminated process wastewater system. Sanitary wastewater is treated at an onsite tertiary treatment plant and subsequently discharged by hard pipe to the Great Miami River. Storm water and any non-process wastewater, single pass cooling water, and softener backwash may be discharged directly to the Great Miami River, via the Miami-Erie Canal, or may be diverted to a 3.1-million-gallon holding pond for settling prior to discharge. Radioactively contaminated wastewater is treated in Building WD by physical-chemical treatment. If appropriate, wastewater may be discharged by hard pipe to the Great Miami River. If concentrations of radioactive contaminants cannot be reduced to acceptable levels, wastewater is solidified and shipped to the Nevada Test Site or Envirocare for disposal. All outfalls are permitted under an active NPDES permit. Routine monitoring activities are in place. Based on NPDES monitoring report data reviewed, it appears that the facility is in compliance with qualitative and quantitative conditions of the permit.

9.28.4.2.1 Sanitary

The building has no sanitary services and no sanitary lines, according to drawings of underground lines presented as Attachment 5 (Section 9.28.6.5).

9.28.4.2.2 Storm Wastewater

The building is not serviced by storm drains. There are no visible interior floor drains. Storm water runoff either is absorbed into the ground or flows downhill to the nearest storm water collection ditch. Inspection showed no sign of odors, color discharges, or scarring which would indicate that any materials other than dissolved salt has entered the storm drainage system.

9.28.4.2.3 Chemicals

Calcium chloride bulk commercial-grade salt is the only chemical stored in the building. The material handling equipment is not maintained in the building. Fuel and lubricants are added to the equipment during routine servicing. There have been no reported spills from Building SST.

9.28.4.3 Potable and Service Water

Potable and service water are not supplied to the building.

9.28.4.4 Chemical Storage and Hazardous Materials

Since no other chemicals besides the calcium chloride are stored in the building, there is no requirement for a flammable storage cabinet, nor for posting of any Material Safety Data Sheets (MSDS's).

There are no aboveground storage tanks in or around the building, there are no sumps, separators, or catch basins, in or around the building nor are any underground storage tanks associated with this building.

The building has been tested and does not contain asbestos-containing building materials (MD-10391, *Asbestos Program Manual*, 9-14-95).

There are no capacitors or transformers containing polychlorinated biphenyls (PCB's) located in, or adjacent, to the building. There is no record of past presence.

No research, development, or production activities using radioactive or energetic materials have occurred in the building (*Mound Facility Physical Characterization*, 12-1-93)..

9.28.4.5 Solid, Hazardous, and Radioactive Wastes

Solid, hazardous or explosive wastes are not generated in Building SST. Since construction equipment is kept in with the salt during the winter and serviced onsite, hazardous waste could be generated if lubricating oil or diesel fuel from the construction equipment were to be released during servicing or while operating. According to the building manager, routine maintenance and inspection of the equipment has precluded such an event from occurring. Any waste oil or rags containing waste oil are removed by the service attendance, returned to the transportation maintenance shop, and placed in a waste drum/container. Waste oil is picked up by Waste Management for disposition. Rags are sent offsite for cleaning by a contractor. No records were available for review. Review of procurement and contract records was not within the scope of this appraisal.

9.28.4.6 Waste Minimization and Pollution Prevention

At Mound there is an active program to minimize waste streams in accordance with state and federal requirements and Executive Order 12856.

Efforts are made to quantify salt requirements in advance of the winter season and order only what is required. Incremental purchases are made to avoid a need for prolonged storage or disposal of unused salt.

9.28.5 Findings and Recommendations

Photographs were taken to document environmental appraisal activities. They are included as Attachment 6 (Section 9.28.6.6).

The environmental appraisal of Building SST indicates that the following action item should be planned and scheduled for accomplishment thus assuring that best management and operating practices are in place.

SST-1 Considering the present harsh winter weather conditions and the current visibly poor condition of this wood structure, the building should be inspected to determine its integrity. In addition, alternative methods of storing the salt should be investigated in order to provide better protection from the elements.

Environmental Appraisal of the Mound Plant

9.28.6.1 Environmental Appraisal Checklist

ENVIRONMENTAL APPRAISAL CHECKLIST

Building Name SST SALT STORAGE

Appraisers:
TEAM #4

Name	Discipline
MARK GILLIAT	Engineer
MARCIA VANNOT	CHEMIST
Myron Smith, Jr	Engineer

Building Manager: Bob WARD (x-3821)

Process Manager:

Date: 29 JANUARY 1996

ENVIRONMENTAL APPRAISAL CHECKLIST

Table of Contents

Checklist	Page
Clean Water Act	1
Clean Air Act	2
Hazardous Materials	4
Safe Drinking Water Act	7
RCRA Hazardous Waste	8
TSCA and NESHAP Requirements for Asbestos	13
TSCA—PCB	14
Low-level and Transuranic Waste	17
Waste Minimization/Pollution Prevention Activities	22

Environmental Appraisal Checklist

Building Name: SST Appraisers: Team #4 Date: 1-29-96

Clean Water Act (CWA) Screening Checklist

Question	Response	Comments
Does the outside drain spouting of the building discharge directly to a storm sewer/sanitary system?	Y / (N)	If the answer to any of these questions is yes, proceed with the following checklist.
Are there sinks, toilets and floor drains in the building?	Y / (N)	
Are chemicals being used in the building?	Y / (N)	
Is there a process which discharges to the storm or sanitary system?	Y / (N)	

CWA Checklist

Regulatory Guideline	Question	Response	Comments
40 CFR 122 Appendix D Table V	If chemicals are used/stored in the building, are they on the attached list? Are they properly contained?	Y / N Y / (N)	SALT FOR ROADS & SIDEWALKS
	Is the building in operation? What are the processes and where do they discharge to?	(Y) / N _____ _____	SURFACE WATER
	Do the floor drains, sinks & toilets appear to be draining properly?	Y / N	NONE
OAC 3745-33	Do the floor drains and sinks drain to a sanitary or storm sewer?	Sanitary Storm	NEITHER, WHS
	Is there a sump/pit in the building? If so, what does it contain? How often is it pumped out? Does water collect in sump? Does sump have secondary containment?	Y / (N) _____ _____ Y / N Y / N	
	Are there any manholes, catch basins, drains, or fill pipes in or around the building? If so, are there any unusual appearances, colors, and/or odors? Describe in comment section. Can chemicals flow into the drain?	Y / (N) Y / N Y / N	

BUILDING IS IN EXTREMELY POOR CONDITION (VISUAL). SALT EXPOSED TO WEATHER.

9.28-9

9.28-10

Environmental Appraisal Checklist

Building Name: SST Appraisers: Team #4 Date: 1-29-96

Clean Air Act (CAA) Screening Checklist

Regulatory Guideline	Question	Response	Comments
	Are there any rooms that have air emissions sources that vent to the outside of the building, e.g., fumehoods, equipment? If so, note the rooms.	Y / N	
OAC 3745-35	Using the air emissions inventory reference for this building, are there any sources in the building that are not documented?	Y / N	
	Is there evidence of fugitive dust emissions inside or outside of the building	Y / N	

CAA Checklist

Regulatory Guideline	Question	Response	Comments
	Are there existing air permits or applications applicable to the building?	Y / N	
OAC 3745-31,35	If yes, are the terms and conditions of the permit or the information included on the application (see air emissions database) being followed? Note any differences and update the air emissions database.	Y / N	N/A
OAC 3745-31	Are there any sources that are not included in the air emissions database? If so, note the room, hood number, active or not, POC, and applicable air emission database information on Table B.	Y / N	
OAC 3745-31-03	Are there sources which are lab equipment of lab fumeheads used exclusively for chemical or physical analyses and bench scale lab equipment? These sources do not require a permit. However, the air emissions database should be updated.	Y / N	
	Has there been any release of air contaminants from this building?	Y / N	

Environmental Appraisal Checklist

Building Name: SST Appraisers: Team # 4 Date: 1-29-96

CAA Checklist

Comments: Note the number of sources/hoods per room, the number that are active, and the POC on the reference document.

TABLE A

Process Source	Room Number	Hood Number	In Database	Active	Chemicals Used	Quantity Used	Quantity to Waste Management	Hours/Yr. Operation	Air Emissions
			Y / N	Y / N					
			Y / N	Y / N		Blank			
			Y / N	Y / N					
			Y / N	Y / N					
			Y / N	Y / N					

Source:

9.28-11

9.28-12

Environmental Appraisal Checklist

Building Name: SST Appraisers: Team #4 Date: 1-29-96

Hazardous Materials (HM) Screening Checklist

Question	Response	Comments
Are any chemicals used or stored in this building, now or in the past?	Y (N)	If the answer is yes, proceed with the following checklist.

HM Checklist

Regulatory Guideline	Question	Response	Comments
29 CFR 1910.1200(b,f)	All containers of hazardous chemicals shall be labeled as to the identity of the chemical and the appropriate hazard warnings.	Y / N	
29 CFR 1910.1200(g)	MSDS shall be available to the employees in close proximity to the work area.	Y / N	
29 CFR 1910.22, 1910.106, 1910.176	All places of employment, passageways, storerooms and service areas shall be kept clean and orderly and in a sanitary manner. Aisles shall be unobstructed. Drums and containers are not leaking and are tightly sealed.	Y / N	Blank
29 CFR 1910.106	Storage cabinets for flammable materials are constantly kept closed, are fire resistant and are labeled "FLAMMABLE - Keep Fire Away". Containers inside should be labeled and closed. No spills inside cabinet.	Y / N	
29 CFR 1910.106(d)(7)	Incompatible chemicals are not stored together.	Y / N	
29 CFR 1910.106(d)(4)	Inside Flammable/combustible storage rooms must meet the following: 4 in. raised sill or trench that drains to a safe area, liquid tight wall/floor joints, self-closing doors, gravity or mechanical exhaust providing 6 room changes/hr., exhaust switch located outside room; at least one 3 ft. aisle; no cracks in secondary containment.	Y / N	

* ONLY ROAD SALTS - SOME BASE SALTS ARE BIODEGRADABLE

Environmental Appraisal Checklist

Building Name: SST Appraisers: Team #4 Date: 1-29-96

HM Checklist

Regulatory Guideline	Question	Response	Comments
29 CFR 1910.106(d)(7)	All flammable/combustible storage locations have at least one 12-B portable fire extinguisher located outside and within 10 ft. of a door opening into any room for storage. No smoking signs are posted.	Y / N	
29 CFR 1910.151	Eyewashes/showers shall be provided within the work area. Ensure unit is operational.	Y / N	
CGA P-1 3.3 & 3.3.10	All gas cylinders (full or empty) shall carry a legible label or marking identifying the contents.	Y / N	Bldg 15
CGA P-1 3.5.3	Full and empty containers should be stored separately with the storage layout planned so that containers comprising of old stock can be removed first with a minimum handling of other containers.	Y / N	
CGA P-1 3.5.8	All compressed gas containers in service or in storage shall be stored standing upright and the container shall be secured.	Y / N	
CGA P-1 4.2.2	Oxygen cylinders shall be separated from flammable gas containers or combustible materials a minimum of 20 ft. or a noncombustible barrier 5 ft. high.	Y / N	
29 CFR 1910.104(2)(10)	Oxygen stored as a liquid shall be on a noncombustible surface. Asphalt is considered combustible. Wood and long dry grass shall be cut back 15 ft. from the container.	Y / N	
29 CFR 1910.104	Bulk oxygen storage shall be permanently placarded "OXYGEN - NO SMOKING - NO OPEN FLAMES".	Y / N	
	Is there a sign posted in each work area regarding emergency egress and emergency response action?	Y / N	
	Is there an emergency response plan available?	Y / N	

9.28-13

9.28-14

Environmental Appraisal Checklist

Building Name: SST Appraisers: Team # 4 Date: 1-29-96

HM Checklist

Regulatory Guideline	Question	Response	Comments
	Is there a process area?	Y / N	
	Does it have proper containment?	Y / N.	
	Is there a liquid bulk transfer area?	Y / N	
	Is there proper containment?	Y / N	
	Is there an above ground storage tank? If so, complete Table B.	Y / N	

Above Ground Storage Tanks Inventory

TABLE B—Above Ground Storage Tanks Inventory

Building	Capacity (Gal.)	Contents	Estimated Volume	In Service	Containment	Visual Stains/ Contamination	If Empty, Flushed
				Y / N	Y / N	Y / N	Y / N
				Y / N	Y / N	Y / N	Y / N
				Y / N	Y / N	Y / N	Y / N
		Blank		Y / N	Y / N	Y / N	Y / N
				Y / N	Y / N	Y / N	Y / N
				Y / N	Y / N	Y / N	Y / N
				Y / N	Y / N	Y / N	Y / N

Source: _____

Environmental Appraisal Checklist

Building Name: SST Appraisers: Team #4 Date: 1-29-96

Safe Drinking Water Act (SDWA) Screening Checklist

Does this facility have potable water?	Y / (N)	If yes, conduct the following survey.

SDWA Checklist

Regulatory Guideline	Question	Response	Comments
OAC 3745 95-02 (A)	Do actual or potential cross-connections exist between potable (light green) and service water (dark green)?	Y / N	
OAC 3745 95-04 (B)(C)	Are backflow prevention devices installed where cross connections (hoses connected to faucets, hot water tank vented directly to a drain) exist?	Y / N	Blank
	Are sources of service water (janitorial and laboratory faucets, or outdoor spigots) posted as non-potable water sources?	Y / N	
	Does the facility contain any water coolers or fountains that are not lead free? Complete Table C.	Y / N	

TABLE C—Water Fountain Survey

Building	Location	Model #	Comments / Date of Analysis for Lead
			Blank

Source: _____

9.28-15

9.28-16

Environmental Appraisal Checklist

Building Name: SST Appraisers: Team #4 Date: 1-29-96

RCRA Screening Checklist

Does this facility generate waste or use chemicals?	Y / N	If yes, conduct the following survey.

RCRA Checklist

Regulatory Guideline	Question	Response	Comments
OAC 3745 52-11	Has any material generated been characterized RCRA hazardous? Was charactarization by analysis or by process knowledge? Are lab results or documentation of process knowledge readily available? Note any uncharacterized material in comment section. Is it waste? If yes, proceed with next section.	Y / N analysis / process Y / N Y / N	Blank
OAC 3745 52-11	Are any of the materials noted RCRA hazardous waste? If no, note and stop here. If yes, note the location of the management unit, and the method of management, and proceed with the appropriate section below.	Y / N	

Environmental Appraisal Checklist

Building Name: SST Appraisers: Team #4 Date: 1-29-96

RCRA Checklist

Regulatory Guideline	Question	Response	Comments
I. HAZARDOUS WASTE STORED IN CONTAINERS			
	Is there an area in the building that could qualify as a Satellite Accumulation Area? Is it treated as such?	Y / N Y / N	
OAC 3475-52-34 (C)	Has any of the RCRA hazardous waste in this building been managed in Satellite Accumulation Areas? If no, proceed to the next section. If yes, answer the following.	Y / N	Blank
	Are the containers marked with the words hazardous waste, or other words denoting the hazard?	Y / N	
	Are the containers in good condition?	Y / N	
	Are the waste compatible with the containers?	Y / N	
	Are containers managing ignitable hazardous waste stored at least 50 feet from the plant site boundary?	Y / N	
	Are containers kept closed and locked except during filling?	Y / N	
	Are containers moved within 3 days of being filled?	Y / N	

9.28-17

Environmental Appraisal Checklist

Building Name: SST Appraisers: Team #4 Date: 1-29-96

RCRA Checklist

Regulatory Guideline	Question	Response	Comments
OAC 3745-52-11 (A)	If a Satellite accumulation area has been abandoned and/or if waste left in place, and the containers may be subject to the 90-day-storage exclusion. If this exclusion does not apply, go to the next section. If the containers have been in storage under this exclusion, answer the following:		Blank
	Are the containers in good condition?	Y / N	
	Are the waste compatible with the containers?	Y / N	
	Are the containers kept closed except during filling?	Y / N	
	Are the containers managed in such a way, that they are not ruptured, or leaks caused?	Y / N	
	Is the area inspected at least once weekly?	Y / N	
	Is the inspection recorded? Where is the log? Is it properly completed, dated, and signed?	Y / N Y / N	
	Are containers managing ignitable hazardous waste stored at least 50 feet from the facility boundary?	Y / N	
	Are incompatible wastes managed in such a way that they will not react with another incompatible waste?	Y / N	
OAC 3745-52-34(B)	Has any of the waste (except in Building 23, Building 72 and the Burn Area) been managed in excess of 90-days?	Y / N	
	If no go to next section.		
	If yes, note.		
	For Building 23, Building 72 & Burn Area use special checklist.		

Environmental Appraisal Checklist

Building Name: SST Appraisers: Team #4 Date: 1-29-96

RCRA Checklist

Regulatory Guideline	Question	Response	Comments
II. HAZARDOUS WASTE STORED IN TANKS			
OAC 3745-52-32 (B)	Has any chemical waste stored in a tank, piece of process equipment or ancillary equipment been in storage in excess of 90-days?	Y / N	
	If the answer was no, then proceed with the following:	Y / N	
	Has the tank or piece of equipment had an integrity assessment?	Y / N	
	Is there a sump?	Y / N	
	Is it dry?	Y / N	
	Does the tank or equipment have secondary containment?	Y / N	
	Does the tank or equipment have leak detection device(s)?	Y / N	
	Has spill control prevention been enacted?	Y / N	
	Has any hazardous waste stored in a tank, piece of process equipment or ancillary equipment been in storage in excess of 90-days?	Y / N	
	If the answer was no, then proceed with the following:		
	Has the tank or piece of equipment had an integrity assessment?	Y / N	
	Does the tank or equipment have secondary containment?	Y / N	
	Does the tank or equipment have leak detection device(s)?	Y / N	
	Has spill control prevention been enacted?	Y / N	
	Is there a closure plan?	Y / N	
	If yes, then note.		
OAC 3745-67	Has any of the waste been managed in a surface impoundment? If yes, then note. Go to the next section.	Y / N	

Blank

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Environmental Appraisal Checklist

Building Name: SST Appraisers: Team #4 Date: 1-29-96

RCRA Checklist

Regulatory Guideline	Question	Response	Comments
OAC 3745-68	Has any of the waste been managed in a Landfill? If yes, then note. Go to the next section.	Y / N	
OAC 3745-68	Has any of the waste been managed in an Incinerator (other than Burn area units)? If yes, then note. Go to the next section.	Y / N	Blank
OAC 3745-68	Has any of the waste been managed in a Thermal treatment Unit (other than Burn area units)? If yes, then note. Go to the next section	Y / N	
OAC 3745-69	Has any of the waste been managed in a Miscellaneous Treatment Unit (other than Burn area units)? If yes, then not. Go to the next section.	Y / N	
OAC 3745-56	Has any of the waste been managed in a Waste Pile? If yes, then note. Go to the next section.	Y / N	

General Comments:

Environmental Appraisal Checklist

Building Name: SST Appraisers: Team #4 Date: 1-29-96

Asbestos Screening Checklist

Does this facility contain ACBM?	Y / N	If yes, conduct the following survey.

Asbestos Checklist

Note: Routinely, the asbestos standard for ACBM in schools has been applied to facilities for purpose of cleanup. In addition to AEHERA, there are additional standards in the NESHAPS that may be of importance.

Regulatory Guideline	Question	Response	Comments
ADAPTED FROM TSCA ACBM IN SCHOOLS:			
	Has this building been characterized either through process knowledge, by analyses, or by inspection to determine if it contains asbestos?	Y / N	
	If no for this building or area note this conclusion in the comment section.		Blank
	Is there any evidence of friable asbestos?	Y / N	
	Is the asbestos removal properly managed? (See questions listed below)	Y / N	If there is no asbestos removal, do not complete the following section.
NESHAPS FOR ASBESTOS FOR ANY ONGOING ASBESTOS REMOVAL:			
40 CFR 61.156	There are no discharges of visible emissions to the outside air from collection, processing, packaging, transporting, or deposition of ACBM during the removal.	Y / N	
40 CFR 61.152(b) (1)	ACBM is treated with water in accordance with 40 CFR 152(b)?	Y / N	
40 CFR 61.154	Is friable asbestos adequately wetted during stripping? Or, has an adequate ventilation and collection system been installed?	Y / N	
40 CFR 61.152	Is wetting continued until the waste friable asbestos is collected for disposal?	Y / N	

9.28-21

9.28-22

Environmental Appraisal Checklist

Building Name: SST Appraisers: Team # 4 Date: 1-29-96

Toxic Substances and Control Act (TSCA) PCB's Screening Checklist

Does this facility potentially contain any PCB's or PCB contaminated equipment?	Y / N	If yes, are transformers labeled (Blue or Yellow stickers)? If yes, conduct the following survey.

TSCA Checklist

Regulatory Guideline	Question	Response	Comments
40 CFR 761	Has any waste generated in, or from, this building been characterized either through process knowledge or by analyses to determine if it contains PCB's ? If the answer is no, note . If the answer is yes, proceed with next section.	Y / N	Blank
	Based on an inspection, are any of the materials or equipment potentially PCB contaminated? If no, note and stop here. If yes, note the location of the management unit, and the method of management, and proceed.	Y / N	
40 CFR 761.65 (c) (5)	Are PCB articles or containers stored in this building checked for leaks at least once every 30 days?	Y / N	
	If yes, are auditable records maintained.	Y / N	
40 CFR.30 (a) (1) (ix)	Are any PCB transformers in use, or stored for possible reuse, that contain PCB's at concentrations of 500 ppm or greater?	Y / N	
	Are they visually inspected quarterly? If yes, are auditable records maintained?	Y / N	

Environmental Appraisal Checklist

Building Name: SST Appraisers: Team #4 Date: 1-29-96

TSCA Checklist

Regulatory Guideline	Question	Response	Comments
40 CFR 761.30 (a) 1,viii	Are all combustible materials (i.e., paints, solvents, plastics, paper, sawn wood, etc.) cleared from areas containing PCB transformers to a distance of five meters?	Y / N	
40 CFR 761.65 (b) (8)	Are all PCB articles and containers labeled with the date they were placed in storage?	Y / N	Blank
	Are labeled PCB articles and containers stored so that the labels can be referenced?	Y / N	
40 CFR 761.65 (a)	Are all PCB's and PCB contaminated items at concentrations above 50 PPM, that are stored for disposal, stored no longer than one year from the date they were placed in storage?	Y / N	
40 CFR 761.62 (b) (1) (i)	Do all PCB storage areas have an adequate roof and walls to prevent rainwater from reaching the stored items?	Y / N	
40 CFR 761.62 (b) (1) (iv)	Are storage are floors curbed and constructed of continuous smooth and impervious materials?	Y / N	
40 CFR 761.62 (b) (1) (i)	Are the curbs at least 6 inches high?	Y / N	
40 CFR 761.62 (b) (1) (iii)	No drains are allowed in storage areas. Are there drains in the storage areas?	Y / N	

9.28-23

Environmental Appraisal Checklist

Building Name: SST Appraisers: Team # 4 Date: 1-29-96

TSCA Checklist

Regulatory Guideline	Question	Response	Comments
40 CFR 761.65 (c) (2)	Only non-leaking and undamaged large high voltage PCB's capacitators and PCB-containing electrical equipment are allowed to be stored outside of PCB storage areas, on pallets if stored outside, with containment for 10 percent of the volume of the equipment. Do all PCB's stored in this configuration conform with this requirement?	Y / N	Blank
40 CFR 761.45 and .65	Are all PCB storage areas marked with a large PCB mark as described in 40 CFR 761.45 (a)?	Y / N	
40 CFR 761.65 (c) (5)	Have all leaking PCB articles and containers been transferred to non-leaking containers?	Y / N	
40 CFR 761.65 (c) (6)	Do all PCB storage containers for the storage of liquid and non-liquid PCB's comply with DOT shipping container specifications?	Y / N	

GENERAL COMMENTS:

Environmental Appraisal Checklist

Building Name: SST Appraisers: Team # 4 Date: 1-29-96

Low-Level Waste and Transuranic Waste Screening Checklist

Does this facility contain radioactive waste ?	Y / (N)	If yes, conduct the following survey.

Low-Level Waste and Transuranic Waste Checklist

Regulatory Guideline	Question	Response	Comments
Low-Level Waste			
DOE Order 5820.2A Chapter III	Can any waste generated in, or from, this building be characterized either through process knowledge or by analyses to determine if it is LLW ? If the answer is no, note. If the answer is yes, proceed with next section.	Y / N	Blank
DOE Order 5820.2A Chapter III.	Are any of the materials noted by inspection LLW? If no, The audit would stop here, because there are no LLW. If yes, note the location of the management unit, and the method of management, and proceed with the section below.	Y / N	
DOE Order 5820.2A Chapter III, 3.a.	Have the storage configurations in use in this area been taken into account for keeping external exposures to the general public below 25 mrem/yr?	Y / N	
	Is the waste stored in a configuration that protects ground-water resources?	Y / N	
DOE Order 5820.2A Chapter III, 3.b.	Has monitoring been conducted in this area in accordance with DOE Order 5820.2A in order to evaluate the area against the performance standard?	Y / N	
	Based on field data, does the monitoring conducted in this area conform to the performance standard?	Y / N	

9:28-25

9.28-26

Environmental Appraisal Checklist

Building Name: SST Appraisers: Team #4 Date: 1-29-96

Low-Level Waste and Transuranic Waste Checklist

Regulatory Guideline	Question	Response	Comments
DOE Order 5820.2A Chapter III, 3.d.	Based on field data, is the characterization of the materials in this area sufficient to assure proper segregation to assure proper segregation, treatment, storage, and disposal?	Y / N	
	Based on field data does the characterization as documented at the time of generation of the waste ensure that the actual physical and chemical characteristics, and major radionuclide content of this material are recorded and known at all stages of the waste management process?	Y / N	Blank
	Do characterization data include the following:		
	Physical and chemical characteristics of the waste?	Y / N	
	Volume of the waste (including solidification and absorbent material)?	Y / N	
	Weight of the waste (including solidification and absorbent material)?	Y / N	
	Major radionuclides and their concentrations?	Y / N	
	Packaging date, package weight, external volume?	Y / N	
	How were the concentration of radionuclides determined? Direct methods?	_____	
	How were the concentrations of radionuclides determined? Indirect methods?	_____	
DOE Order 5820.2A Chapter III, 3.h	Is the storage configuration in long term storage sufficient to meet the performance standard?	Y / N	
	Are records maintained at the facility enabling this waste to be traced from its origin?	Y / N	

Building Name: SST Appraisers: Team #4 Date: 1-29-96

Low-Level Waste and Transuranic Waste Checklist

Regulatory Guideline	Question	Response	Comments
TRU WASTE			
	Can any waste generated in, or from this building be characterized either through process knowledge or by analyses to determine if it is TRU waste? If no, note and stop. If yes, proceed with the next section.	Y / N	BLANK
	Are any of the materials noted as being TRU waste during an inspection? If no, note and stop. If the answer is yes, note the location of the management unit, and the method of management and proceed with the appropriate section below.	Y / N	
DOE Order 5820.2A, Chapter II, 3.a	Was this material evaluated as soon as possible in the generating process, to determine if it is TRU (>100nCi/g), if it is recoverable, or if it is waste? (Note if the activity level is less than 100nCi/g, the waste is not TRU, and can be managed as LLW.)	Y / N	
	Did the determination of TRU radionuclide concentration include the mass of the container, including shielding? These should be included in calculating the specific activity of the waste.	Y / N	

9.28-27

9.28-28

Environmental Appraisal Checklist

Building Name: SST Appraisers: Team # 4 Date: 1-29-96

Low-Level Waste and Transuranic Waste Checklist

Regulatory Guideline	Question	Response	Comments
DOE Order 5820.2A, Chapter II, 3.b	Has the TRU waste been assayed or otherwise evaluated to determine its radioactive content prior to storage?	Y / N	
	Has the TRU waste been characterized or otherwise evaluated to determine if hazardous waste is present?	Y / N	BLANK
	Has classified TRU waste been treated to destroy the classified characteristics?	Y / N	
DOE Order 5820.2A, Chapter II 3.d	Has all newly generated TRU waste been packaged in non-combustible packaging that meets DOT requirements?	Y / N	
	Have all Type A TRU waste packages been equipped with a method to prevent pressure buildup?	Y / N	
	Have all TRU packages been marked, labeled and sealed in accordance with 40 CFR 261 Subpart C and 49 CFR 172 Subparts D, E and 49 CFR 173 Subpart I?	Y / N	

Environmental Appraisal Checklist

Building Name: SST Appraisers: Team #4 Date: 1-29-96

Low-Level Waste and Transuranic Waste Checklist

Regulatory Guideline	Question	Response	Comments
DOE Order 5820.2A, Chapter II 3.e	Has the TRU waste been segregated in manner that will not permit commingling of TRU waste with LLW or high-level waste?	Y / N	
	Has the TRU waste been protected from unauthorized access?	Y / N	Blank
	Has the TRU waste been monitored periodically to ensure that it is not releasing its radioactive and/or hazardous constituents?	Y / N	
	Has this TRU waste storage area been designed, constructed, maintained, and operated to minimize the possibility of fire, explosion, or accidental release of its radioactive and/or hazardous constituents?	Y / N	
	Does the facility have a contingency plan designed to minimize the adverse impacts of fire, explosion, or accidental release of its radioactive and/or hazardous constituents?	Y / N	

GENERAL COMMENTS:

9.28-29

9.28-30

Environmental Appraisal Checklist

Building Name: SST Appraisers: Team #4 Date: 1-29-96

Waste Minimization/Pollution Prevention Activities Screening Checklist

Does this facility generate waste or use chemicals?	Y / N	If yes, conduct the following survey.

Waste Minimiaztion/Pollution Prevention Activities Checklist

Regulatory Guideline	Question	Response	Comments
	Based on available information and a walk through, are there any apparent opportunities to curtail the consumption of raw materials (including but not limited to paper, chemicals, electricity, and etc.). If yes, list candidate areas in the comment section.	Y / N	SALT IS NOT WELL PROTECTED FROM ELEMENTS. VISIBLE SIGNS THAT STORM WATER DISSOLVES SOME SALT PRODUCTS WHICH BECOME PART OF SURFACE RUN-OFF WATER.
	Are there solvent wastes?	Y / N	
	Is vehicle maintenance performed?	Y / N	
	Are oils used ?	Y / N	
	Are these corrosive wastes?	Y / N	
	Are there sludges?	Y / N	Blank
	Are there halogenated organic (nonsolvent) wastes?	Y / N	
	Are metals recovered from wastewater?	Y / N	
	Is waste sludge generated?	Y / N	
	Are any waste minimization practices used that reduce the generation of sludge?	Y / N	
	Ion exchange process?	Y / N	
	Lead in gasoline lowered to reduce tank sludge toxicity?	Y / N	
	Storage tank agitators installed?	Y / N	
	Corrosive resistant materials used?	Y / N	
	Prevention of crude oil oxidation ?	Y / N	
	Drying?	Y / N	

Building Name: Appraisers: Date:

Waste Minimization/Pollution Prevention Activities Checklist

Regulatory Guideline	Question	Response	Comments
HALOGENATED ORGANIC (NONSOLVENT) WASTES			
	Are halogenated organic wastes used as fuel in cement kilns?	Y / N	
	Are baghouse filters used to collect pesticides and pesticide intermediates?	Y / N	
	Are solid wastes generated from the collection of baghouse dust?	Y / N	
	Wet instead of dry grinding used?	Y / N	
	The output spray dried?	Y / N	
	Has baghouse emptying and recycling of baghouse fines been scheduled?	Y / N	
	Have operations been evaluated to improve procedures such as handling, storage and spill prevention for increased efficiency?	Y / N	
METAL WASTES			
	Are any technologies for the recovering of metals from waste rinsewater used?	Y / N	
	Evaporation of waste rinsewater?	Y / N	
	Reverse osmosis?	Y / N	
	Ion exchange?	Y / N	
	Electrolysis?	Y / N	
	Agglomeration?	Y / N	
CORROSIVE WASTES			
	Are acidic or basic cleaning solutions used as treatment for pH adjustment chemicals?	Y / N	

9.28-31

9.28-32

Environmental Appraisal Checklist

Building Name: SST Appraisers: Team #4 Date: 1-29-96

Waste Minimization/Pollution Prevention Activities Checklist

Regulatory Guideline	Question	Response	Comments
	Are ion exchange resins used to remove heavy metals and cyanides from acid and base solutions?	Y / N	Blank
	Is crystallization used to remove corrosives from solution by cooling?	Y / N	
	Is the process of evaporation of liquid wastes by heating used to leave behind a more concentrated solution?	Y / N	
CYANIDE AND REACTIVE WASTES			
	Has non-cyanide or low concentration of cyanide process replaced zinc cyanide bath ?	Y / N	Blank
	Are any of these processes used to recycle cyanide wastes?	Y / N	
	Refrigeration/crystallization?	Y / N	
	Evaporation?	Y / N	
	Ion exchange?	Y / N	
	Membrane separation which includes reverse osmosis or electrodialysis?	Y / N	
VEHICLE MAINTENANCE			NOT ACCOMPLISHED AT SST
	How are auto parts cleaned?	Y / N	
	Solvent sink?	Y / N	Blank
	Solvent dunk bucket?	Y / N	
	Solvent dip tank?	Y / N	
	Are parts cleaning solvents used for anything else besides cleaning parts?	Y / N	
	Are spills reduced by locating sinks or dunk buckets near auto service bays?	Y / N	

Environmental Appraisal Checklist

Building Name: SST Appraisers: Team # 4 Date: 1-29-96

Waste Minimization/Pollution Prevention Activities Checklist

Regulatory Guideline	Question	Response	Comments
	Are cleaned parts drained on the sink to minimize solvent spills?	Y / N	Blank
	Are drip tanks used to capture losses?	Y / N	
	Is a solvent sink used for mineral solvents rather than a dunk bucket or dip tank?	Y / N	
	Does a waste hauler collect solvent waste for recycling or treatment?	Y / N	
OILS			
	What kind of oils are used?		
	Hydraulic oil?	Y / N	N/A
	Transformer oil?	Y / N	N/A
	Metal working fluids?	Y / N	N/A
	Spent lubricating oils?	(Y) N	Construction Equipment maintained by others
	Can the process be modified or changed to use water-based fluids?	Y / (N)	
	Are these good housekeeping and operation practices used to minimize oil waste production?		
	Use oils not contaminated with other liquids?	Y / (N)	
	Oil spills prevented?	(Y) / N	
	Drip pans installed?	Y / (N)	
	Oil soaked rags laundered?	(Y) / N	
	Rags and absorbants used to their limit?	Y / N	unknown no record in EST

9.28-33

Environmental Appraisal Checklist

Building Name: SST Appraisers: Team #4 Date: 1-29-96

Waste Minimization/Pollution Prevention Activities Checklist

Regulatory Guideline	Question	Response	Comments
	Are these treatment techniques used to promote separation of oil/water wastes?		
	Reclaiming process to remove water and solvents by heat?	Y / N	
	Gravity setting?	Y / N	
	Screening?	Y / N	Blank
	Centrifugation?	Y / N	
	Filtration?	Y / N	
SOLVENT WASTES			
	Has there been an attempt to reduce volume or toxicity by:		
	Eliminating solvents?	Y / N	
	Reducing the use of solvents?	Y / N	
	Reducing the loss of solvents?	Y / N	
	Increasing recyclability?	Y / N	
	Are solvents segregated?	Y / N	
	Are waste solvents free from water and garbage?	Y / N	
	Are recycled solvent containers labeled as such?	Y / N	
	Are containers kept closed?	Y / N	
	Free and sheltered from the elements?	Y / N	
	Are solvent tanks kept as free from contaminations as possible so that the waste can be recycled?	Y / N	
	Is a method used to minimize the use of new materials such as a countercurrent process?	Y / N	

Environmental Appraisal Checklist

Building Name: SST Appraisers: TEAM #4 Date: 1-29-96

Waste Minimization/Pollution Prevention Activities Checklist

Regulatory Guideline	Question	Response	Comments
	If there is a recycling program, what technique is used?	Y / N	
	Distillation?	Y / N	
	Solids removal?	Y / N	
	Dispersion breaking?	Y / N	
	Dissolved and emulsified organics recovery?	Y / N	BLANK
	Are any of these housekeeping procedures used to minimize the production of solvent wastes?		
	Separators cleaned and checked?	Y / N	
	Parts not allowed to enter the degreaser while wet?	Y / N	
	Sludge from the bottom of the tank not allowed to accumulate?	Y / N	
	Lids kept on tanks?	Y / N	
	Freeboard space on tanks increased?	Y / N	
	Are better operating practices used to reduce waste?	Y / N	
	How long is solvent waste stored and where?	_____ _____	

9.28-35

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9.28.6.2 Building Manager's Questionnaire

Building Manager's Questionnaire

Building Name: SST Building Manager: R.A. Ward Phone: 3821 Date: 12-07-95
Alternate: K. KOEHLER Phone: 4886

1. What are the access requirements (training, clearance, etc.)?

NONE

2. What protective equipment is required to enter the building?

NONE

3. Are there any restricted areas? Yes (No)
   Where are they?

4. Provide a physical description of the building.

Building is a 590-ft^2, wood-frame open structure with no HVAC source. Building is not contaminated with any radioactive or energetic materials.

Source: Mound Facility Physical Characterization, 12-1-93

5. Provide a drawing of the building.

Attached

6. What is the current building use?

Salt storage for roads and sidewalks.

Source: Mound Buildings, 5-9-95

7. What is the history of building use other than that described in #6?

Source: Mound Buildings, 5-9-95

9.28-39

Building Manager's Questionnaire

Building Name: SST Building Manager: R.A. Ward Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

8. What are ongoing operations or processes? What are the raw materials and waste streams from each process? Who is the best contact for each process?

Process(es) Housed: Storage of salt for roads

How Wastes Are Generated:

No wastes generated.

Contact:
Phone #:

Source: Characterization of Mound's Hazardous, Radioactive, and Mixed Wastes, (8-15-90).

9.28-40

Building Manager's Questionnaire

Building Name: SST Building Manager: R.A. Ward Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

9. In the last six months, have any modifications been made to the building or to processes in the building? Yes (No) NEEDS NEW ROOF

10. Does the building have air emission sources? No

Process Source	Room Number	Hood Number	Active	Chemicals Used	Quantity Used	Quantity to Waste Managemen t	Lbs./Yr. Operation	Air Emissions
			Y / N					
			Y / N					
			Y / N					
			Y / N					
			Y / N					

Source: Mound Air Emissions Database 11/30/95

9.28-41

Building Manager's Questionnaire

Building Name: SST Building Manager: R.A. Ward Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

11. Describe air pollution control equipment used to reduce emissions for each source. None Listed

Process Source	Emissions	Control Equipment	Functioning
			Y / N
			Y / N
			Y / N
			Y / N
			Y / N

Source: Air Permits 2/4/95

12. For existing permits are emissions monitored? At what frequency? Where are the records maintained?

Process Source	Permit	Log	Permit Conditions & Frequency of Monitoring
		Y / N	
		Y / N	
		Y / N	
		Y / N	
		Y / N	

Source: Air Permits 2/4/95

13. Does the building have domestic water service? Yes No
Is there bottled water? Yes No

14. Does the building discharge to the storm sewer? Yes No
Where?

15. Does the building discharge to the sanitary sewer? Yes No
Where?

16. Has an asbestos survey been conducted? Yes
What are the results? Suspected

Source: Technical Manual MD-10391, Issue 3 Asbestos Program Manual 9/6/95

9.28-42

Building Manager's Questionnaire

Building Name: SST Building Manager: R.A. Ward Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

17. Does the building contain transformers or capacitors? No

Source: PCB ANNUAL DOCUMENT LOG

18. Has the building been identified as containing PCBs? No

Source: PCB ANNUAL DOCUMENT LOG

19. What chemicals are used or stored inside or outside of the building? Include compressed gasses not in large tanks.

Chemical Name	State	Amount (MAX)
NONE		

Source: Chemical Inventory 1994

9.28-43

Building Manager's Questionnaire

Building Name: SST Building Manager: R.A. Ward Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

20. Has there been a reported spill, leak, or other release of any chemical? Yes No
What, how much, and what clean-up measures were followed?

Chemical	Amount	Clean-up Measures

Source: _____

21. Where do waste chemicals go?

N/A

22. What janitorial supplies are stored inside or outside of the building?

N/A

23. Where do excess janitorial supplies go?

N/A

Source: _____

24. Are pesticides or herbicides stored or used in or around the building? Yes No

Chemical	Amount	Chemical	Amount

Source: _____

9.28-44

Building Manager's Questionnaire

Building Name: SST Building Manager: R.A. Ward Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

25. Does the building contain active or inactive above ground storage tanks? Yes No
For each tank, list the content, quantity, last inspection, registration number.

NONE

26. Is there a sump or pit or underground tank in or around the building?
Yes No Unknown
Is it double-walled? What does it contain? How many days per year is it filled?
Is there an emergency overflow tank? Have there been previous overflows?

Double-Walled	Contents	Days/Year in Use	Overflow Tank	Previous Overflow
Y / N			Y / N	Y / N

Source: _____

27. Does the building generate, store, or dispose of hazardous waste? Yes No

Materials	Amount

Source: _____

9.28-45

Building Manager's Questionnaire

Building Name: SST Building Manager: R.A. Ward Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

28. Does the building have abandoned process equipment such as tanks, piping, containers, etc.? Yes No

29. Is waste material stored in or around the building for more than 90 days?
Yes No

30. Has the building been identified as a 90-day waste accumulation area?
Yes No

31. Has any area in the building been identified as a satellite accumulation area?
Yes No

32. Is mixed waste generated, stored, or disposed of from the building? Yes No
Where are logs found?

Process	Waste	Stored	Disposed	Logs
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N

Source: _____

9.28-46

Building Manager's Questionnaire

Building Name: SST Building Manager: R.A. Ward Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

33. Is TRU radioactive waste generated, stored, or disposed of from the building?
Yes (No)
Where are logs found?

Process	Waste	Stored	Disposed	Logs
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N

Source: _____

Building Manager's Questionnaire

Building Name: SST Building Manager: R.A. Ward Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

34. Is low-level radioactive waste generated, stored, or disposed of from the building? Yes (No)
Where are logs found?

Process	Waste	Stored	Disposed	Logs
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N

Source: _____

35. Identify all administrative orders, temporary or permanent injunctions, civil administrative penalties, or criminal activities issued against the building.

9.28-48

Building Manager's Questionnaire

Building Name: SST Building Manager: R.A. Ward Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

36. Is there a waste minimization program in the building? Yes No
Discuss your ideas about how to minimize waste.

37. Has a pollution prevention program been developed for the building? Yes No

9.28-49

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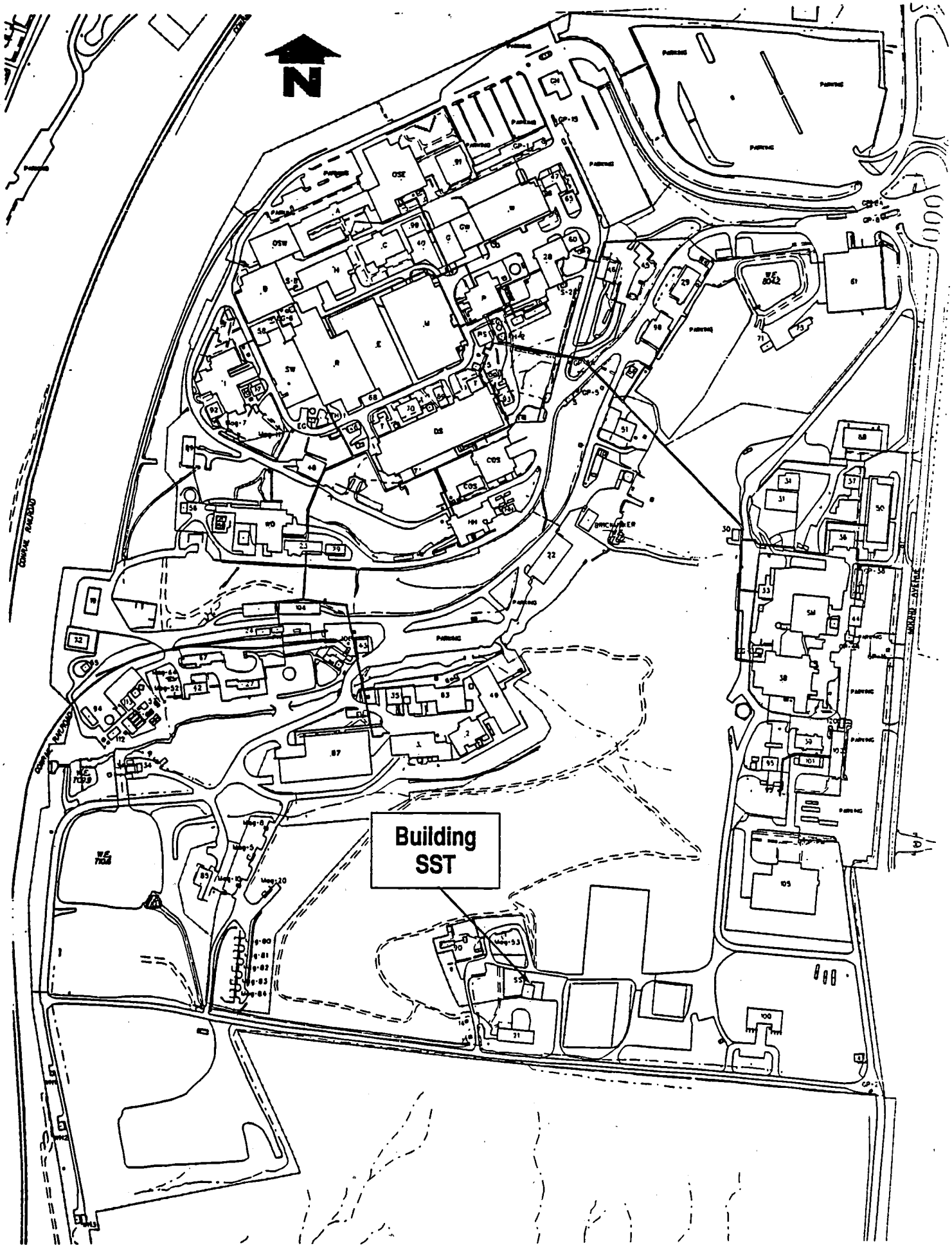
9.28.6.3 Location of Building SST



SOURCE: Operable Unit 9, Site Scoping Report: Volume 7-Waste Management Mound Plant, 7-92

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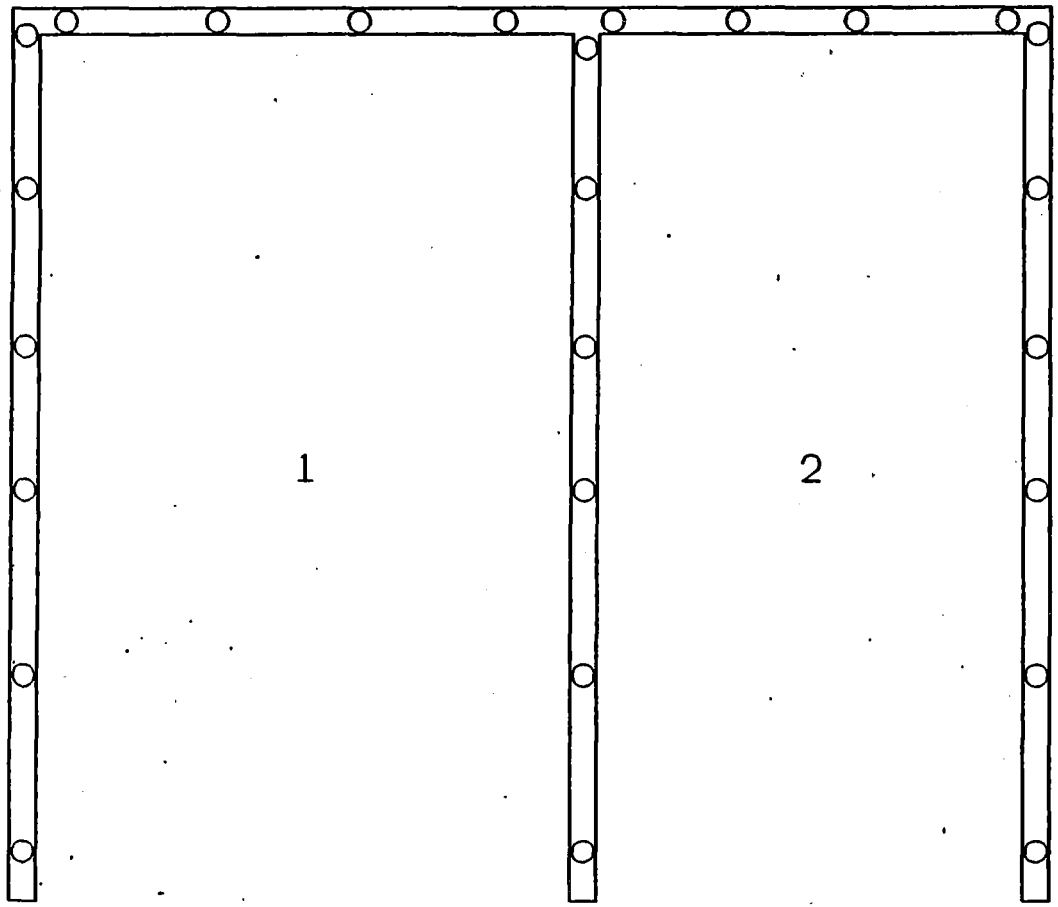
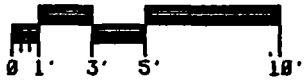
9.28.6.4 Floor Plans for Building SST

ISS	DATE	REVISION	BY	CHKR	DWN	UPKD	APVD	N
0	12/12/91	ASBUILT ISSUE	DCW				DVD	





SST BLDG
FIRST FLOOR
BLDG CODE:3523

SHEET	1	2	3	4	5	6
ISSUE	0					

TITLE (U) TITLE CLASSIFICATION
SST BLDG
FLOOR PLANS

PART CLASSIFICATION

DRAWING CLASSIFICATION: UNCLASSIFIED

SIZE: C | DRAWING NUMBER: FSC911323 | JOB NUMBER: 12335

DWG TYPE: SFP | PROJ: SST BLDG | CADD: 14865 | SCALE AS NOTED | SHEET 1 OF 1

STATUS: MD-REL-12/12/91 | ORIGIN: MD-8R3-V3.0

APPROVALS: DATE:
SAFETY COMMITTEE REQUIRED:
___NONE ___TRIEDOC ___TEDOC ___EHDOC
TECH. REP. ___ ___
AR. MGR. ___ ___
TRIEDOC ___ ___
TEDOC ___ ___
EHDOC ___ ___

DESIGN DWG | PROJ MGR
SPCMD | DWG SUPV
LP & EC | PEER REV
DWG MGR
APVD | DATE

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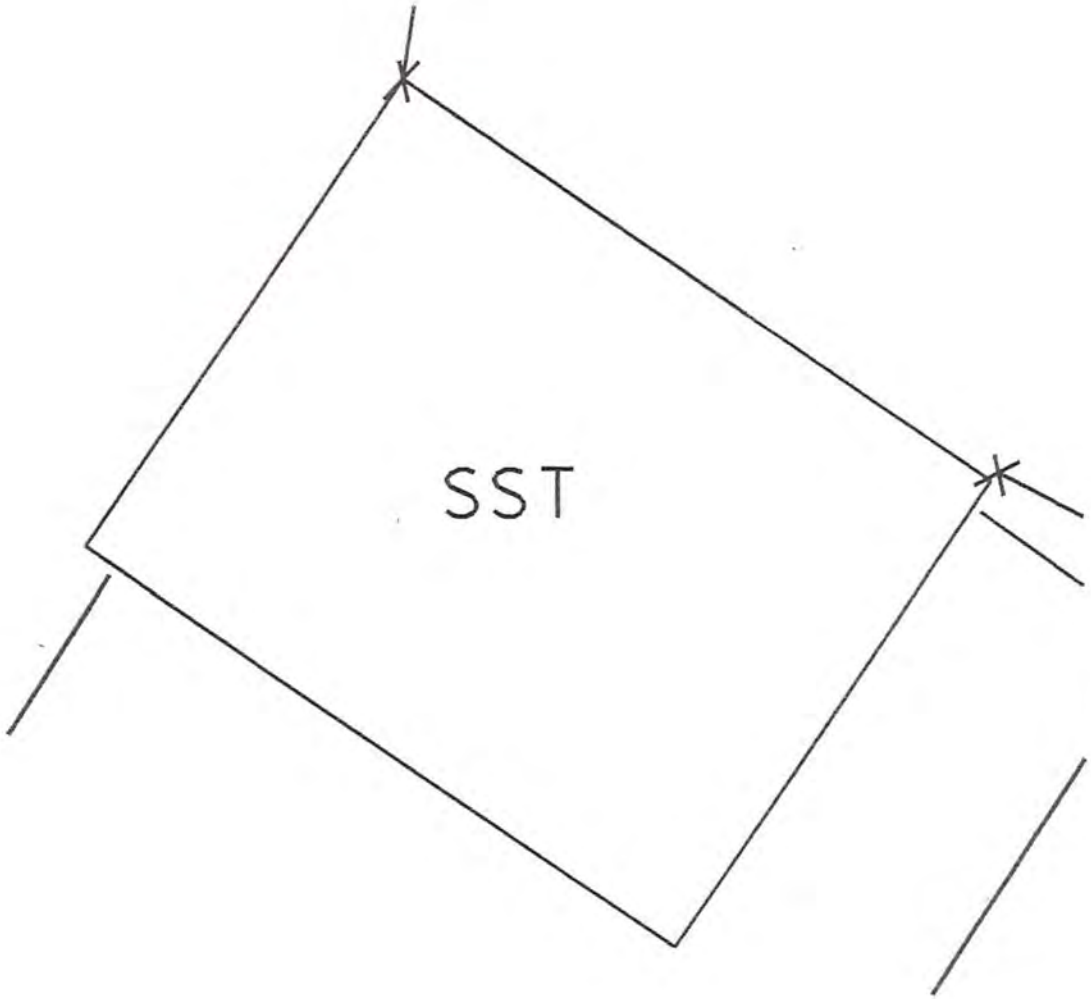
9.28.6.5 Underground Utility Lines



FIRE
POTABLE
RAW
SANITARY
STORM
RADIOLOGICAL

N

UNCLASSIFIED

E.G. & G. - MOUND

UNDERGROUND WATER & WASTE LINES
SST

DATE: 3-6-96

9.28.6.6 Photographs

Mound Plant Building SST

9.28-65

Building SST is in need of repair.

Protection from the weather is recommended.

9.29 BUILDING SW

9.29.1 Scope of Building SW Report

In late 1995 and the early months of 1996, EG&G MAT performed a review of environmental conditions at the Mound Plant. The purpose was to develop a performance baseline, and to identify areas for improvement on a building and a sitewide basis. EG&G MAT did not perform a "due diligence" or Phase I Environmental Site Assessment as specified by ASTM 1527 or ASTM 1528. The scope of the appraisal effort and a discussion of the appraisal methodology are detailed in Sections 2.0 and 5.0, found in Volume 1 of this report.

The appraisal team performed a walk-through of Building SW on February 21, 1996. The Environmental Appraisal Checklist (EAC) was used to record findings. The EAC is found in Attachment 1 (Section 9.29.6.1). The appraisers were accompanied by the building manager. Other information was supplied by the building manager and recorded on the Building Manager's Questionnaire (BMQ), included as Attachment 2 (Section 9.29.6.2).

9.29.2 Description of Building

Building SW is a two-story structure, with a penthouse, constructed of concrete block with brick facing. The roof is metal with built-up membrane of carboline, asphalt, and coal tar. Originally constructed in 1950, Building SW has undergone 13 major additions. Building SW is located on the main hill as shown in Attachment 3 (Section 9.29.6.3). Adjacent buildings are Building B to the north, Building R to the east, and Building I to the west. The building is serviced by central steam for heat, chilled water, and electrical service of 480V (*Mound Facility Physical Characterization*, 12-1-93).

Building SW is used for tritium recovery and purification, tritium component development, component evaluation, and analysis of materials. Total area of Building SW is 43,066 square feet. Floor plans are presented as Attachment 4 (Section 9.29.6.4). The building contains high-efficiency particulate air (HEPA) filters and alpha and beta "hot" drains. Past operations included research projects on plutonium, uranium, thorium, and protactinium. The building is contaminated with radiological materials. No research, development or production activities using energetic materials have occurred in the building (*Mound Facility Physical Characterization*, 12-1-93).

9.29.3 Summary of Findings

Several issues of environmental concerns were identified during the walk-through and the review of reference materials. The primary issue is the management of waste in the building. Waste needs to be characterized, placed in containers, and disposed of promptly. Several water fountains were identified as an Environmental Protection Agency (EPA) listed models suspected of lead contamination. Chemicals identified as Clean Water Act (CWA) pollutants, are used in the building. The Mound air emission inventory database must be updated. Some compressed

gas cylinders were missing full/empty tags. A fire extinguisher must be recharged. Housekeeping could be improved throughout the building.

9.29.4 Observations

9.29.4.1 Air Emissions

Six applications were submitted on March 5, 1992 for Permits to Operate (PTO). Three PTO's were received from the Ohio Environmental Protection Agency (OEPA). Permit P012 was issued for the fumehood in Room 208. Permits P014 and P015 were issued for fumehoods 1 and 2 in Room 219. The other applications cover the NCDPF stack, HEFS stack, and 1-CN stack. Emissions from the NCDPF, HEFS, and 1-CN stacks are monitored for radionuclides in accordance with the National Emission Standards for Hazardous Air Pollutants (NESHAPs) Federal Facility Compliance Agreement (FFCA) Compliance Work Plan, 2/20/95. HEPA filter banks filter the exhausts of operations in Building SW prior to venting to the stacks. The HEPA filters are tested weekly and maintained in accordance with the Nuclear Standard NEF3-43, Quality Assurance Testing of HEPA Filters, and NEF3-45, Specifications for HEPA Filter Use by Department of Energy (DOE) Contractors. Operations listed in Mound's air emission inventory database for Building SW are not current. The inventory database does not include Rooms 208 and 219, which are permitted. Several labs are not listed in the inventory database, including those in safe shutdown. Air emissions for these sources could not be visually verified. Permits required monthly records to be kept beginning the first of the year for air emissions. Records were not available during the walk-through to visually verify. There are no fuel-burning units in the building. There was no visual evidence of fugitive dust.

9.29.4.2 Wastewater Emissions

The Mound Facility has three wastewater collection systems: a sanitary wastewater system; a storm water system; and a radioactively contaminated process wastewater system. Sanitary wastewater is treated at an onsite tertiary treatment plant and subsequently discharged by hard pipe to the Great Miami River. Storm water and any non-process wastewater, single pass cooling water, and softener backwash may be discharged directly to the Great Miami River, via the Miami-Erie Canal, or may be diverted to a 3.1-million-gallon holding pond for settling prior to discharge. Radioactively contaminated wastewater is treated in Building WD by physical-chemical treatment. If appropriate, wastewater may be discharged by hard pipe to the Great Miami River. If concentrations of radioactive contaminants cannot be reduced to acceptable levels, wastewater is solidified and shipped to the Nevada Test Site or Envirocare for disposal. All outfalls are permitted under an active NPDES permit. Routine monitoring activities are in place. Based on NPDES monitoring report data reviewed, it appears that the facility is in compliance with qualitative and quantitative conditions of the permit.

9.29.4.2.1 Sanitary Wastewater

The building has sanitary services. According to a diagram of underground utility lines, presented as Attachment 5 (Section 9.29.6.5), the building is serviced by a sanitary line.

According to the building engineer, discharges to the sanitary system are by sinks, toilets and showers. Confirmation of drainage of sanitary waste into sanitary conveyance lines was not within the scope of this effort, therefore, neither dye tests nor smoke tests were conducted. There is no monitoring of building effluent. Based on current operations identified by the process owner, effluent from Building SW should not deviate from that expected by the sanitary treatment plant manager.

9.29.4.2.2 Storm Wastewater

The building is also serviced by storm drains according to Attachment 5 (Section 9.29.6.5). Roof drains discharge to the storm sewer. Exterior grates and drains were not tested to confirm that they connect to the storm drainage system. Inspection showed no sign of odors, colored discharges, or scarring which would indicate that any materials other than storm water have entered the storm drainage system.

9.29.4.2.3 Process Wastewater

This building does discharge radioactive wastewater to the WD facility. Five sumps were observed in Building SW, three of which were active. They are identified in the Underground Storage Tank (UST) Program as tank Nos. 20, 21, 22, 23, and 226. According to the Active UST Plan, three active sumps are double-jacket stainless steel tanks with interstitial monitoring. They collect beta water from operations in Buildings R and SW, which is then discharged via doubly encased aboveground pipe to the WD facility. Tank No. 23 is listed as an inactive alpha sump that serves the cave area. Water collected in this sump is pumped into 30-gallon drums and transported to WD for processing. The sump is considered inactive because operations in the cave area have ceased. Tank No. 226 is listed in the UST Program as an inactive beta sump. This sump appears to be a tank. Also connected to the radioactive waste lines is a holding tank for the fire sprinkler system in Building 58, located in Room 149B. The building manager noted that this system has not been used.

9.29.4.2.4 Chemicals

Chemicals in Building SW were evaluated against Table V of Appendix D in 40 CFR 122 and several are considered Clean Water Act (CWA) pollutants. Cyclohexane, xylene, and uranium are used in the building. There is a program in place for the orderly review of laboratory chemicals for reuse and recycling. Chemical storage and handling procedures are in place for proper disposal of chemicals. There have been no reported chemical spills from Building SW. No floor drains were observed in areas of operations. There was no visible evidence that chemicals have entered the storm or sanitary drains.

9.29.4.3 Potable and Service Water

Potable water is supplied to the building. Backflow prevention devices are installed at all visible points of potential cross-connections. Potable and service water lines are uniquely marked and easily identified. Five water fountains supply drinking water for the building. Two of them are

not EPA listed models suspected of lead contamination. The other three models are EPA listed models suspected of lead contamination. The water is shut off to the Halsey-Taylor model.

9.29.4.4 Chemical Storage and Hazardous Materials

A chemical inventory for Building SW is included in the BMQ presented in Attachment 2 (Section 9.29.6.2). The information was gathered as part of the annual chemical inventory. The inventory information dates to 1994. Data from 1995 was not available when the appraisal was performed. Conformation of the 1994 inventory by the appraisal team was not attempted, as the current year inventory was on-going. However, storage, handling. and disposal of chemicals observed during the appraisal were reviewed to assure conformance with 40 CFR 122, 40 CFR-260-265 and 268, and 29 CFR 1910. There was no visual evidence of chemical storage incompatibility among remaining materials and janitorial supplies. MSDS sheets are available in the building and were reviewed on a random basis for completeness. There are flammable storage cabinets that meet standard National Fire Protection Agency (NFPA) requirements in use in many of the laboratories.

Portions of the building are going through Safe Shutdown. As part of the Safe Shutdown process, some chemicals are being moved to Room 128 in Building R for characterization. If applicable, the chemicals can be reused elsewhere at Mound or they will be disposed of through Waste Management after characterization. According to the Safe Shutdown Program, the disposition of chemicals, whether reused or disposed, are handled according to Safe Shutdown procedures in MD-10431. Documentation was not reviewed to determine whether any chemicals or hazardous materials have been removed from Building SW.

Compressed gas cylinders were properly stored in locations observed in and outside the building. Signs indicating storage areas for full and empty cylinders in the cylinder bank on the northwest side of the building do not adequately delineate their boundaries. Empty and full cylinders were properly stored. Several cylinders in the cylinder bank and in Room 152 were missing full/empty tags.

The building is equipped with appropriate emergency response equipment such as eyewashes, safety showers, and fire extinguishers. Halon 1211 is the predominant fire extinguisher. A fire extinguisher in Room 10 must be recharged. Inspection tags for safety showers and eyewashes are present and current. There is an Emergency Evacuation Plan, and signs are posted in the building. There is no discernible step-off pad for the radiological buffer area (RBA) in Room 148.

There are three aboveground storage tanks in or around the building that are associated with Building SW. The holding tank for the fire sprinkler system in Building 58 is located in Room 149B. The purpose of this tank is to collect water from the filter bank area, in the event of a fire. The effluent recovery system (ERS) surge tank is located outside by the dock, under Building 58. The surge tank is a temporary holding tank for boxline atmosphere when the ERS is at capacity. A gas holding tank associated with the Component Evaluation organization is located outside on the south wall. The building manager noted that this system is inactive.

There is no secondary containment, nor is any required, for these aboveground tanks. No aboveground tanks were observed inside the building during the walk-through even though they were listed in the BMQ which is included as Attachment 2 (Section 9.29.6.2).

There are no underground storage tanks associated with Building SW other than the sumps previously noted in the Water Emissions Section. There is an underground French drainage system west of the Building SW, which is designed to intercept groundwater moving under Building SW. The groundwater is sampled weekly to determine the level of contamination. Based on the results, it is discharged to the storm water system, or pumped to a sump in Building SW to be sent to the WD facility.

The building was tested and does contain asbestos-containing building material (MD-10391, *Asbestos Program Manual*, 9-14-95). There was no visual evidence of friable asbestos. The areas containing asbestos material were observed to be identified and properly marked indicating the presence of asbestos.

There were no capacitors or transformers containing polychlorinated biphenyls (PCB's) observed in the building. In 1990, PCB transformers and capacitors listed in Attachment 2 (Section 9.29.6.2), the BMQ, were removed from the SW Substation, which is located in Building 58 (1995 PCB Annual Document Log).

9.29.4.5 Solid, Hazardous, and Radioactive Wastes

The solid waste generated in the building results from offices. According to the decon foreman, solid wastes removed by decon personnel from areas not within RBA's are taken to a local collection point. A service contractor then takes the solid waste offsite to a local landfill. The disposal contract is maintained by Waste Management. There is no visual evidence that hazardous or radioactive materials or wastes are mixed with solid waste streams. However, the process for establishing the RBA's has not been documented and/or approved by the cognizant authority as being compliant with the waste moratorium Performance Objective by the delegated authority.

As portions of Building SW begin the Safe Shutdown process, some hazardous materials may be declared a hazardous waste. Only hazardous waste certified as non-radioactive is allowed to be removed from RBA's. Hazardous wastes are collected and transported by representatives of the Waste Management Group, and stored in Building 72 for ultimate disposal. There is no onsite treatment of waste. Waste disposal manifests and Certificates of Disposal are maintained by Waste Management. These conditions were not verified as no hazardous waste pickups were observed during the walk-through.

Radioactive solid waste generated in the building results from laboratories in RBA's. These streams were observed to be contained in low-level waste (LLW) drums. During the walk-through, only administrative controls, as locked rooms, were observed for limiting access to waste drums. LLW boxes in the custody of the decon foreman that were not sealed or awaiting to be completely filled were chained and locked. A white LLW box partially filled was sitting outside

unsecured in front of the west dock. LLW drums with incomplete waste generator forms were noted throughout the SW/R Tritium Complex, especially Rooms 140, 148, and 153C. The forms were either incomplete with respect to the waste in the drum, or they were not dated, or there were no generator signatures. Vacuum pump reservoirs containing used oil were unmarked with respect to content and radiation hazard. In Room 240 there are two cabinets identified as containing "legacy waste."

Several labs were not inspected because they were posted high-contamination areas. Those areas are Rooms 19, 132, 149, 149A, 149B, 208, 219 and the cave area. Interviews of personnel responsible for Room 132, indicated there are approximately 10 drums stored in Room 137. Four drums were filled with water when the sump in Room 137 was emptied. The water was characterized as containing trace metals. There are four drums containing Cotter concentrate, a waste stream generated during the separation of uranium ore by the Cotter Corp. in the late 1940's. According to technical personnel, the drums were brought onsite about 1970. The Cotter concentrate is rich in protactinium, approximately 1.5 grams for the four drums. A drum containing two 5-gallon carboys and several 1-liter bottles was packed with absorbent. The content of the containers is Cotter concentrate in a mixture of nitric and sulfuric acids. Room 149B has been used to store drums of tritiated water from the ERS process and contaminated oil. Drums have been accumulating because of a moratorium on shipping this waste.

It is expected that the Safe Shutdown process will determine that some of the laboratory chemicals will be radioactively contaminated due to DOE operations. Those chemicals that are RCRA-regulated will become mixed waste. The procedures for handling this waste stream were not reviewed. Decontamination and decommissioning (D&D) of Room 15 will potentially generate mixed waste due to the presence of lead sheeting on two of the walls. Lead bricks were noted in several labs. In Room 240, there are 14 lead-loaded gloves on one of the gloveboxes. The presence of asbestos in the building will potentially generate mixed waste during D&D operations.

9.29.4.6 Waste Minimization and Pollution Prevention

At Mound there is an active program to minimize waste streams in accordance with state and federal requirements and Executive Order 12856.

Potentially contaminated Freon is recycled during recharge operations. The gas cylinders are "contaminated waste." A considerable amount of waste is being generated from the single use policy for personal protective clothing in RBA's. This policy went into effect during the appraisal of the radiological buildings. The impact of this policy was observed during the walk-through, especially in the area of housekeeping.

9.29.5 Findings and Recommendations

Photographs were taken to document the environmental appraisal. They are included as Attachment 6 (Section 9.29.6.6). The environmental appraisal of Building SW indicates that the

following action items, in priority order, should be planned and scheduled for accomplishment thus assuring that best management and operating practices are in place.

SW-1 Building personnel need to characterize, and place in appropriate containers, the radiological waste generated. Drums and boxes should have generator forms to document characterization for chemical, physical, and radiological contents as drums are filled. Unlabeled and/or uncharacterized drums in Rooms 140, 148, and 153C should be labeled and characterized according to DOE Order 5820.2A and/or OAC 3745-51. LLW must be controlled from the point of generation, with drums and boxes sealed when filled.

SW-2 Personnel should be knowledgeable of waste management procedures concerning SAA's, the characterization of waste, and RCRA-regulated materials in a radiation area. The appropriate training should be re-emphasized.

SW-3 The term "legacy" has a specific definition in the regulations. Its use on the cabinets in Room 240 needs to be evaluated.

SW-4 Disposition of the drums of waste in Rooms 136 and 149B should be investigated. This is a high-radiation health and safety risk.

SW-5 Oil reservoirs containing used vacuum pump oil are unidentified with respect to the content and radiation hazard. Oil reservoirs should be characterized as to the type of oil, solvents if any were used, and the level of radioactivity. The difficulties in characterizing, packaging and transferring tritium contaminated oil to Waste Management should be resolved jointly.

SW-6 Air emissions permits requires monthly records to be kept. Air emissions from sources permitted were not observed. Compliance with permit requirements needs to be investigated.

SW-7 In Room 231, radioactive wastes are in a container not designated for LSA waste. Loose and uncontrolled waste in Building SW needs to be containerized to demonstrate effective management, control over waste, and proper waste determination. It is difficult to demonstrate compliance with the waste acceptance criteria for disposal, when there is uncontrolled waste.

SW-8 The Freon recharge compressed gas cylinders in the penthouse are labeled "contaminated waste." The building manager indicated that the cylinders were currently in use. The labeling appears to be inconsistent with the status of the cylinders.

SW-9 Water fountains located in Room 10 and Corridors 139 and 236 are suspected of lead contamination and should be replaced.

SW-10 The compressed gas cylinders in Room 152 and the cylinder bank should carry a legible label or marking identifying their contents, including full/empty tags (CGA P-1). Although none were observed, empty and full cylinders could become intermixed if signs do not adequately delineate their boundaries.

SW-11 The fire extinguisher in Room 10 needs to be recharged.

SW-12 There is no discernible step-off pad for the RBA in room 148.

SW-13 Applications on file with RAPCA for air emission sources should be updated. Mound's air emissions database needs to be updated with respect to changing operations.

SW-14 The process for establishing the RBA's has not been documented and/or approved by the cognizant authority as being compliant with the waste moratorium Performance Objective by the delegated authority. Compliance of the establishment of RBA's with the waste moratorium Performance Objective needs to be evaluated.

SW-15 Housekeeping could be improved throughout Building SW. This is more important in the RBA's considering the amount of waste that will be generated from the single-use policy for personal protective clothing.

SW-16 CWA pollutants and their continued use should be evaluated and, if appropriate, a substitute chemical used which has no health or environmental hazard. The Environmental Technology and Monitoring Section should be informed of this evaluation.

SW-17 Confirm the practice of interstitial monitoring of active sumps to verify effectiveness. Modify the UST plan appropriately.

SW-18 Investigate the sumps regarding fate of overflow, leak tightness, and design size adequacy per DOE Order 6430.

SW-19 Investigate safe shutdown procedures to assure proper characterization and handling of glovebox filters and other air-handling filters.

9.29.6.1 Environmental Appraisal Checklist

ENVIRONMENTAL APPRAISAL CHECKLIST

Building Name SW-

Appraisers: Ronald Paulick
Name Discipline

Phillip A Parker
Name Discipline

Name Discipline

Name Discipline

Building Manager: _____

Process Manager: _____

_____

_____

_____

Date: 2-20-96

ENVIRONMENTAL APPRAISAL CHECKLIST

Table of Contents

Checklist	Page
Clean Water Act	1
Clean Air Act	2
Hazardous Materials	4
Safe Drinking Water Act	7
RCRA Hazardous Waste	8
TSCA and NESHAP Requirements for Asbestos	13
TSCA—PCB	14
Low-level and Transuranic Waste	17
Waste Minimization/Pollution Prevention Activities	22

Environmental A[illegible]isal Checklist

Building Name: SW

Appraisers: Paulick, Adkins, Parker Date: 2-20-96

Clean Water Act (CWA) Screening Checklist

Question	Response	Comments
Does the outside drain spouting of the building discharge directly to a storm sewer/sanitary system?	(Y) / N	If the answer to any of these questions is yes, proceed with the following checklist.
Are there sinks, toilets and floor drains in the building?	(Y) / N	
Are chemicals being used in the building?	(Y) / N	
Is there a process which discharges to the storm or sanitary system?	(Y) / N	

CWA Checklist

Regulatory Guideline	Question	Response	Comments
40 CFR 122 Appendix D Table V	If chemicals are used/stored in the building, are they on the attached list? Are they properly contained?	(Y) / N (Y) / N	cyclohexane, uranium xylene
	Is the building in operation? What are the processes and where do they discharge to?	(Y) / N L	ERS, Component Evaluation
	Do the floor drains, sinks & toilets appear to be draining properly?	(Y) / N	
OAC 3745-33	Do the floor drains and sinks drain to a sanitary or storm sewer?	Sanitary Storm	
	Is there a sump/pit in the building? If so, what does it contain? How often is it pumped out? Does water collect in sump? Does sump have secondary containment?	(Y) / N 1-3 days (Y) / N (Y) / N	
	Are there any manholes, catch basins, drains, or fill pipes in or around the building? If so, are there any unusual appearances, colors, and/or odors? Describe in comment section. Can chemicals flow into the drain?	(Y) / N Y / (N) Y / (N)	

9.29-13

9.29-14

Environmental Appraisal Checklist

Building Name: SW

Appraisers: Paulick, Adkins, ~~Ross~~ Parker

Date: 2-20-96

Clean Air Act (CAA) Screening Checklist

Regulatory Guideline	Question	Response	Comments
	Are there any rooms that have air emissions sources that vent to the outside of the building, e.g., fumehoods, equipment? If so, note the rooms.	(Y) / N	
OAC 3745-35	Using the air emissions inventory reference for this building, are there any sources in the building that are not documented?	(Y) / N	
	Is there evidence of fugitive dust emissions inside or outside of the building	Y / (N)	

CAA Checklist

Regulatory Guideline	Question	Response	Comments
	Are there existing air permits or applications applicable to the building?	(Y) / N	P012, P014, P015
OAC 3745-31,35	If yes, are the terms and conditions of the permit or the information included on the application (see air emissions database) being followed? Note any differences and update the air emissions database.	~~(Y)~~ / (N)	Monthly records just implemented, no records seen.
OAC 3745-31	Are there any sources that are not included in the air emissions database? If so, note the room, hood number, active or not, POC, and applicable air emission database information on Table B.	(Y) / N	
OAC 3745-31-03	Are there sources which are lab equipment of lab fumeheads used exclusively for chemical or physical analyses and bench scale lab equipment? These sources do not require a permit. However, the air emissions database should be updated.	Y / (N)	
	Has there been any release of air contaminants from this building?	(Y) / N	1989 3grms T_2

Environmental Appraisal Checklist

Building Name: SW

Appraisers: Paulick/Adkins/~~Ross~~ Parker Date: 2-20-96

CAA Checklist

Comments: Note the number of sources/hoods per room, the number that are active, and the POC on the reference document.

TABLE A

Process Source	Room Number	Hood Number	In Database	Active	Chemicals Used	Quantity Used	Quantity to Waste Management	Hours/Yr. Operation	Air Emissions
Welding	SW-10		Y / N	Y / N					
Component testing	SW146		Y / N Ready Standby	Y / N					
	SW150	1 2 3 4 5	Y / N	Y / N	Window shine				
Cave Area	SW132		Y / N	Y / N					
Liquid Waste facility	SW149 SW149A SW149B		Y / N	Y / N					

Source:

SW 19	N	?
SW 240	N	N
SW 238	N	Y
SW 208	N	Y
SW 210	N	N
SW 219	N	Y

9.29-15

9.29-16

Environmental Appraisal Checklist

Building Name: SW Appraisers: Paulick, Atkins, Parker Date: 2-20-96

Hazardous Materials (HM) Screening Checklist

Question	Response	Comments
Are any chemicals used or stored in this building, now or in the past?	(Y) / N	If the answer is yes, proceed with the following checklist.

HM Checklist

Regulatory Guideline	Question	Response	Comments
29 CFR 1910.1200(b,f)	All containers of hazardous chemicals shall be labeled as to the identity of the chemical and the appropriate hazard warnings.	Y / (N)	Rm 240 - not all chem. labeled.
29 CFR 1910.1200(g)	MSDS shall be available to the employees in close proximity to the work area.	(Y) / N	
29 CFR 1910.22, 1910.106, 1910.176	All places of employment, passageways, storerooms and service areas shall be kept clean and orderly and in a sanitary manner. Aisles shall be unobstructed. Drums and containers are not leaking and are tightly sealed.	Y / (N)	Drums in hallway Rm 240 clutter Rm 2, 9, 146, vaults require HK.
29 CFR 1910.106	Storage cabinets for flammable materials are constantly kept closed, are fire resistant and are labeled "FLAMMABLE - Keep Fire Away". Containers inside should be labeled and closed. No spills inside cabinet.	(Y) / N	
29 CFR 1910.106(d)(7)	Incompatible chemicals are ~~not~~ stored together.	(Y) / N	SW-8 - H_2SO_4, acid/base HNO_3 in Flammable - removed immediately
29 CFR 1910.106(d)(4)	Inside Flammable/combustible storage rooms must meet the following: 4 in. raised sill or trench that drains to a safe area, liquid tight wall/floor joints, self-closing doors, gravity or mechanical exhaust providing 6 room changes/hr., exhaust switch located outside room, at least one 3 ft. aisle; no cracks in secondary containment.	Y / N	N/A

Building Name: SW Appraisers: Paulick, Adkins, Parker Date: 2-20-96

HM Checklist

Regulatory Guideline	Question	Response	Comments
29 CFR 1910.106(d)(7)	All flammable/combustible storage locations have at least one 12-B portable fire extinguisher located outside and within 10 ft. of a door opening into any room for storage. No smoking signs are posted.	(Y) / N	
29 CFR 1910.151	Eyewashes/showers shall be provided within the work area. Ensure unit is operational.	(Y) / N	
CGA P-1 3.3 & 3.3.10	All gas cylinders (full or empty) shall carry a legible label or marking identifying the contents.	Y / (N)	Rm 152 Cylinder bank under BD-58
CGA P-1 3.5.3	Full and empty containers should be stored separately with the storage layout planned so that containers comprising of old stock can be removed first with a minimum handling of other containers.	(Y) / N	Cylinder bank full/empty signs should define better boundaries
CGA P-1 3.5.8	All compressed gas containers in service or in storage shall be stored standing upright and the container shall be secured.	(Y) / N	
CGA P-1 4.2.2	Oxygen cylinders shall be separated from flammable gas containers or combustible materials a minimum of 20 ft. or a noncombustible barrier 5 ft. high.	Y / N	N/A
29 CFR 1910.104(2)(10)	Oxygen stored as a liquid shall be on a noncombustible surface. Asphalt is considered combustible. Wood and long dry grass shall be cut back 15 ft. from the container.	Y / N	N/A
29 CFR 1910.104	Bulk oxygen storage shall be permanently placarded "OXYGEN - NO SMOKING - NO OPEN FLAMES".	Y / N	N/A
	Is there a sign posted in each work area regarding emergency egress and emergency response action?	(Y) / N	
	Is there an emergency response plan available?	(Y) / N	

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9.29-18

Environmental Appraisal Checklist

Building Name: SW Appraisers: Paulick, Adkins, Parker Date: 2-20-96

HM Checklist

Regulatory Guideline	Question	Response	Comments
	Is there a process area?	Y / N	
	Does it have proper containment?	Y / N	
	Is there a liquid bulk transfer area?	Y / N	ERS
	Is there proper containment?	Y / N	Double ~~line~~ line
	Is there an above ground storage tank? If so, complete Table B.	Y / N	ERS - surge tank CED - tank

Above Ground Storage Tanks Inventory

TABLE B—Above Ground Storage Tanks Inventory

Building	Capacity (Gal.)	Contents	Estimated Volume	In Service	Containment	Visual Stains/ Contamination	If Empty, Flushed
SW	gas	Boxline ~~gas~~ Atmosphere		Y / N	Y / N	Y / N	Y / N
SW	gas	CED tank.		Y / N	Y / N	Y / N	Y / N
				Y / N	Y / N	Y / N	Y / N
				Y / N	Y / N	Y / N	Y / N
				Y / N	Y / N	Y / N	Y / N
				Y / N	Y / N	Y / N	Y / N
				Y / N	Y / N	Y / N	Y / N

Source: _____

Environmental Appraisal Checklist

Building Name: SW

Appraisers: Bullick, Adkins, Parker

Date: 2-20-96

Safe Drinking Water Act (SDWA) Screening Checklist

Does this facility have potable water?	(Y) / N	If yes, conduct the following survey.

SDWA Checklist

Regulatory Guideline	Question	Response	Comments
OAC 3745 95-02 (A)	Do actual or potential cross-connections exist between potable (light green) and service water (dark green)?	(Y) / N	
OAC 3745 95-04 (B)(C)	Are backflow prevention devices installed where cross connections (hoses connected to faucets, hot water tank vented directly to a drain) exist?	(Y) / N	
	Are sources of service water (janitorial and laboratory faucets, or outdoor spigots) posted as non-potable water sources?	(Y) / N	
	Does the facility contain any water coolers or fountains ~~that are not lead free~~? Complete Table C.	(Y) / N	

TABLE C—Water Fountain Survey

Building	Location	Model #	Comments / Date of Analysis for Lead
SW	Rm 10	CP3-002D	Oasis *
SW	Corr 139	WM8A	Halsey Taylor - water shut-off. *
SW	Corr 155	PLF3CM-D	Oasis OK
SW	Corr 3	PLF 3CP-D	Oasis OK
SW	Corr 236	DP16M-1	Oasis *

Source: _____

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9.29-20

Environmental Appraisal Checklist

Building Name: SW

Appraisers: Paulick/Adkins/Parker

Date: 2/20/96

RCRA Screening Checklist

Does this facility generate waste or use chemicals?	Y / N	If yes, conduct the following survey.

RCRA Checklist

Regulatory Guideline	Question	Response	Comments
OAC 3745 52-11	Has any material generated been characterized RCRA hazardous? Was charactarization by analysis or by process knowledge? Are lab results or documentation of process knowledge readily available? Note any uncharacterized material in comment section. Is it waste? See findings. Not known. If yes, proceed with next section.	Y / N analysis / process Y / N Y / N	
OAC 3745 52-11	Are any of the materials noted RCRA hazardous waste? If no, note and stop here. If yes, note the location of the management unit, and the method of management, and proceed with the appropriate section below.	Y / N	Not known.

Building Name: SW Appraisers: Paulick/Adkins/Parker Date: 3/4/96

RCRA Checklist

Regulatory Guideline	Question	Response	Comments
I. HAZARDOUS WASTE STORED IN CONTAINERS			
	Is there an area in the building that could qualify as a Satellite Accumulation Area? Is it treated as such?	~~Y~~/N ~~Y~~/N	No established SAAs were observed during the walk-through.
OAC 3475-52-34 (C)	Has any of the RCRA hazardous waste in this building been managed in Satellite Accumulation Areas? If no, proceed to the next section. If yes, answer the following.	Y/ N	
	Are the containers marked with the words hazardous waste, or other words denoting the hazard?	Y/ N	
	Are the containers in good condition?	Y/ N	
	Are the waste compatible with the containers?	Y/ N	
	Are containers managing ignitable hazardous waste stored at least 50 feet from the plant site boundary?	Y/ N	
	Are containers kept closed and locked except during filling?	Y / N	
	Are containers moved within 3 days of being filled?	Y / N	Not known

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9.29-22

Environmental Appraisal Checklist

Building Name: RSW. P2 3/18/96 Appraisers: Paulick/Adkins/Parker Date: 2/20/96

RCRA Checklist

Regulatory Guideline	Question	Response	Comments
OAC 3745-52-11 (A)	If a Satellite accumulation area has been abandoned and/or if waste left in place, and the containers may be subject to the 90-day-storage exclusion. If this exclusion does not apply, go to the next section. If the containers have been in storage under this exclusion, answer the following:		N/A
	Are the containers in good condition?	Y / N	
	Are the waste compatible with the containers?	Y / N	
	Are the containers kept closed except during filling?	Y / N	
	Are the containers managed in such a way, that they are not ruptured, or leaks caused?	Y / N	
	Is the area inspected at least once weekly?	Y / N	
	Is the inspection recorded? Where is the log? Is it properly completed, dated, and signed?	Y / N Y / N	
	Are containers managing ignitable hazardous waste stored at least 50 feet from the facility boundary?	Y / N	
	Are incompatible wastes managed in such a way that they will not react with another incompatible waste?	Y / N	
OAC 3745-52-34(B)	Has any of the waste (except in Building 23, Building 72 and the Burn Area) been managed in excess of 90-days?	Y / N	None found.
	If no go to next section.		
	If yes, note.		
	For Building 23, Building 72 & Burn Area use special checklist.		

Building Name: SW Appraisers: Paulick/Adkins/Parker Date: 3/20/96

RCRA Checklist

Regulatory Guideline	Question	Response	Comments
II. HAZARDOUS WASTE STORED IN TANKS			
OAC 3745-52-32 (B)	Has any chemical waste stored in a tank, piece of process equipment or ancillary equipment been in storage in excess of 90-days?	Y / N	None found
	If the answer was no, then proceed with the following:	Y / N	
	Has the tank or piece of equipment had an integrity assessment?	Y / N	
	Is there a sump?	Y / N	
	Is it dry?	Y / N	
	Does the tank or equipment have secondary containment?	Y / N	
	Does the tank or equipment have leak detection device(s)?	Y / N	
	Has spill control prevention been enacted?	Y / N	
	Has any hazardous waste stored in a tank, piece of process equipment or ancillary equipment been in storage in excess of 90-days?	Y / N	
	If the answer was no, then proceed with the following:		
	Has the tank or piece of equipment had an integrity assessment?	Y / N	
	Does the tank or equipment have secondary containment?	Y / N	
	Does the tank or equipment have leak detection device(s)?	Y / N	
	Has spill control prevention been enacted?	Y / N	
	Is there a closure plan?	Y / N	
	If yes, then note.		
OAC 3745-67	Has any of the waste been managed in a surface impoundment? If yes, then note. Go to the next section.	Y / N	N/A

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Environmental Appraisal Checklist

Building Name: SW

Appraisers: Paulick/Adkins/Parker

Date: 2/20/96

RCRA Checklist

Regulatory Guideline	Question	Response	Comments
OAC 3745-68	Has any of the waste been managed in a Landfill? If yes, then note. Go to the next section.	Y / N	N/A
OAC 3745-68	Has any of the waste been managed in an Incinerator (other than Burn area units)? If yes, then note. Go to the next section.	Y / N	
OAC 3745-68	Has any of the waste been managed in a Thermal treatment Unit (other than Burn area units)? If yes, then note. Go to the next section	Y / N	
OAC 3745-69	Has any of the waste been managed in a Miscellaneous Treatment Unit (other than Burn area units)? If yes, then not. Go to the next section.	Y / N	
OAC 3745-56	Has any of the waste been managed in a Waste Pile? If yes, then note. Go to the next section.	Y / N	

General Comments:

Environmental Appraisal Checklist

Building Name: R P2 3/18/96 SW Appraisers: Paulick/Adkins/Parker Date: 2/20/96

Asbestos Screening Checklist

Does this facility contain ACBM?	Y / N	If yes, conduct the following survey.

Asbestos Checklist

Note: Routinely, the asbestos standard for ACBM in schools has been applied to facilities for purpose of cleanup. In addition to AEHERA, there are additional standards in the NESHAPS that may be of importance.

Regulatory Guideline	Question	Response	Comments
ADAPTED FROM TSCA ACBM IN SCHOOLS:			
	Has this building been characterized either through process knowledge, by analyses, or by inspection to determine if it contains asbestos?	(Y) / N	
	If no for this building or area note this conclusion in the comment section.		
	Is there any evidence of friable asbestos?	Y / (N)	
	Is the asbestos removal properly managed? (See questions listed below)	Y / N	N/A If there is no asbestos removal, do not complete the following section.
NESHAPS FOR ASBESTOS FOR ANY ONGOING ASBESTOS REMOVAL:			
40 CFR 61.156	There are no discharges of visible emissions to the outside air from collection, processing, packaging, transporting, or deposition of ACBM during the removal.	Y / N	
40 CFR 61.152(b) (1)	ACBM is treated with water in accordance with 40 CFR 152(b)?	Y / N	
40 CFR 61.154	Is friable asbestos adequately wetted during stripping? Or, has an adequate ventilation and collection system been installed?	Y / N	
40 CFR 61.152	Is wetting continued until the waste friable asbestos is collected for disposal?	Y / N	

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Environmental Appraisal Checklist

Building Name: SW Appraisers: Paulick/Adkins/Parker Date: 2/20/96

Toxic Substances and Control Act (TSCA) PCB's Screening Checklist

Does this facility potentially contain any PCB's or PCB contaminated equipment?	Y / N	If yes, are transformers labeled (Blue or Yellow stickers)? If yes, conduct the following survey.

TSCA Checklist

Regulatory Guideline	Question	Response	Comments
40 CFR 761	Has any waste generated in, or from, this building been characterized either through process knowledge or by analyses to determine if it contains PCB's ? If the answer is no, note . If the answer is yes, proceed with next section.	Y / N	PCB's removed in 1990 per BMQ
	Based on an inspection, are any of the materials or equipment potentially PCB contaminated? If no, note and stop here. If yes, note the location of the management unit, and the method of management, and proceed.	Y / N	NONE OBSERVED Not known
40 CFR 761.65 (c) (5)	Are PCB articles or containers stored in this building checked for leaks at least once every 30 days?	Y / N	N/A
	If yes, are auditable records maintained.	Y / N	
40 CFR.30 (a) (1) (ix)	Are any PCB transformers in use, or stored for possible reuse, that contain PCB's at concentrations of 500 ppm or greater?	Y / N	
	Are they visually inspected quarterly? If yes, are auditable records maintained?	Y / N	

Building Name: SW Appraisers: Paulick/Adkins/Parker Date: 2/20/96

TSCA Checklist

Regulatory Guideline	Question	Response	Comments
40 CFR 761.30 (a) 1,viii	Are all combustible materials (i.e., paints, solvents, plastics, paper, sawn wood, etc.) cleared from areas containing PCB transformers to a distance of five meters?	Y / N	N/A
40 CFR 761.65 (b) (8)	Are all PCB articles and containers labeled with the date they were placed in storage?	Y / N	
	Are labeled PCB articles and containers stored so that the labels can be referenced?	Y / N	
40 CFR 761.65 (a)	Are all PCB's and PCB contaminated items at concentrations above 50 PPM, that are stored for disposal, stored no longer than one year from the date they were placed in storage?	Y / N	
40 CFR 761.62 (b) (1) (i)	Do all PCB storage areas have an adequate roof and walls to prevent rainwater from reaching the stored items?	Y / N	
40 CFR 761.62 (b) (1) (iv)	Are storage are floors curbed and constructed of continuous smooth and impervious materials?	Y / N	
40 CFR 761.62 (b) (1) (i)	Are the curbs at least 6 inches high?	Y / N	
40 CFR 761.62 (b) (1) (iii)	No drains are allowed in storage areas. Are there drains in the storage areas?	Y / N	

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Environmental Appraisal Checklist

Building Name: SW

Appraisers: Paulick/Adkins/Parker

Date: 2/20/96

TSCA Checklist

Regulatory Guideline	Question	Response	Comments
40 CFR 761.65 (c) (2)	Only non-leaking and undamaged large high voltage PCB's capacitators and PCB-containing electrical equipment are allowed to be stored outside of PCB storage areas, on pallets if stored outside, with containment for 10 percent of the volume of the equipment. Do all PCB's stored in this configuration conform with this requirement?	Y / N	N/A
40 CFR 761.45 and .65	Are all PCB storage areas marked with a large PCB mark as described in 40 CFR 761.45 (a)?	Y / N	
40 CFR 761.65 (c) (5)	Have all leaking PCB articles and containers been transferred to non-leaking containers?	Y / N	
40 CFR 761.65 (c) (6)	Do all PCB storage containers for the storage of liquid and non-liquid PCB's comply with DOT shipping container specifications?	Y / N	

GENERAL COMMENTS:

Building Name: SW Appraisers: Paulick/Adkins/Parker Date: 2/20/96

Low-Level Waste and Transuranic Waste Screening Checklist

Does this facility contain radioactive waste ?	(Y)/ N	If yes, conduct the following survey.

Low-Level Waste and Transuranic Waste Checklist

Regulatory Guideline	Question	Response	Comments
Low-Level Waste			
DOE Order 5820.2A Chapter III	Can any waste generated in, or from, this building be characterized either through process knowledge or by analyses to determine if it is LLW ? If the answer is no, note. If the answer is yes, proceed with next section.	(Y)/ N	
DOE Order 5820.2A Chapter III.	Are any of the materials noted by inspection LLW? If no, The audit would stop here, because there are no LLW. If yes, note the location of the management unit, and the method of management, and proceed with the section below.	(Y)/ N	Various labs have LSA drums in them.
DOE Order 5820.2A Chapter III, 3.a.	Have the storage configurations in use in this area been taken into account for keeping external exposures to the general public below 25 mrem/yr?	Y / N	Not known
	Is the waste stored in a configuration that protects ground-water resources?	(Y)/ N	As well as visual inspection can tell.
DOE Order 5820.2A Chapter III, 3.b.	Has monitoring been conducted in this area in accordance with DOE Order 5820.2A in order to evaluate the area against the performance standard?	Y / N	Not known
	Based on field data, does the monitoring conducted in this area conform to the performance standard?	Y / N	Not known.

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9.29-30

Environmental Appraisal Checklist

Building Name: SW Appraisers: Paulick/Adkins/Parker Date: 2/20/96

Low-Level Waste and Transuranic Waste Checklist

Regulatory Guideline	Question	Response	Comments
DOE Order 5820.2A Chapter III, 3.d.	Based on field data, is the characterization of the materials in this area sufficient to assure proper segregation to assure proper segregation, treatment, storage, and disposal?	Y / N	Many drums were w/o generator forms, or partially ~~Not known~~ RP filled forms
	Based on field data does the characterization as documented at the time of generation of the waste ensure that the actual physical and chemical characteristics, and major radionuclide content of this material are recorded and known at all stages of the waste management process?	Y / N	Drums with forms over 2 years old not sealed, forms incomplete.
	Do characterization data include the following:		
	Physical and chemical characteristics of the waste?	Y / N	
	Volume of the waste (including solidification and absorbent material)?	Y / N	
	Weight of the waste (including solidification and absorbent material)?	Y / N	
	Major radionuclides and their concentrations?	Y / N	
	Packaging date, package weight, external volume?	Y / N	
	How were the concentration of radionuclides determined? Direct methods?	_____	Guess
	How were the concentrations of radionuclides determined? Indirect methods?	_____	Guess
DOE Order 5820.2A Chapter III, 3.h	Is the storage configuration in long term storage sufficient to meet the performance standard?	Y / N	
	Are records maintained at the facility enabling this waste to be traced from its origin?	Y / N	

Building Name: SW Appraisers: Paulick/Adkins/Parker Date: 2/20/96

Low-Level Waste and Transuranic Waste Checklist

Regulatory Guideline	Question	Response	Comments
TRU WASTE			
	Can any waste generated in, or from this building be characterized either through process knowledge or by analyses to determine if it is TRU waste? If no, note and stop. If yes, proceed with the next section.	Y / (N)	Not currently Some was generated in the past and is in storage.
	Are any of the materials noted as being TRU waste during an inspection? If no, note and stop. If the answer is yes, note the location of the management unit, and the method of management and proceed with the appropriate section below.	Y / (N)	
DOE Order 5820.2A, Chapter II, 3.a	Was this material evaluated as soon as possible in the generating process, to determine if it is TRU (>100nCi/g), if it is recoverable, or if it is waste? (Note if the activity level is less than 100nCi/g, the waste is not TRU, and can be managed as LLW.)	Y / N	N/A
	Did the determination of TRU radionuclide concentration include the mass of the container, including shielding? These should be included in calculating the specific activity of the waste.	Y / N	

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Environmental Appraisal Checklist

Building Name: SW

Appraisers: Paulick/Adkins/Parker

Date: 2/20/96

Low-Level Waste and Transuranic Waste Checklist

Regulatory Guideline	Question	Response	Comments
DOE Order 5820.2A, Chapter II, 3.b	Has the TRU waste been assayed or otherwise evaluated to determine its radioactive content prior to storage?	Y / N	N/A
	Has the TRU waste been characterized or otherwise evaluated to determine if hazardous waste is present?	Y / N	
	Has classified TRU waste been treated to destroy the classified characteristics?	Y / N	
DOE Order 5820.2A, Chapter II 3.d	Has all newly generated TRU waste been packaged in non-combustible packaging that meets DOT requirements?	Y / N	
	Have all Type A TRU waste packages been equipped with a method to prevent pressure buildup?	Y / N	
	Have all TRU packages been marked, labeled and sealed in accordance with 40 CFR 261 Subpart C and 49 CFR 172 Subparts D, E and 49 CFR 173 Subpart I?	Y / N	

Building Name: SW Appraisers: Paulick/Adkins/Parker Date: 2/20/96

Low-Level Waste and Transuranic Waste Checklist

Regulatory Guideline	Question	Response	Comments
DOE Order 5820.2A, Chapter II 3.e	Has the TRU waste been segregated in manner that will not permit commingling of TRU waste with LLW or high-level waste?	Y / N	N/A
	Has the TRU waste been protected from unauthorized access?	Y / N	✓
	Has the TRU waste been monitored periodically to ensure that it is not releasing its radioactive and/or hazardous constituents?	Y / N	✓
	Has this TRU waste storage area been designed, constructed, maintained, and operated to minimize the possibility of fire, explosion, or accidental release of its radioactive and/or hazardous constituents?	Y / N	✓
	Does the facility have a contingency plan designed to minimize the adverse impacts of fire, explosion, or accidental release of its radioactive and/or hazardous constituents?	Y / N	✓

GENERAL COMMENTS:

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9.29-34

Environmental Appraisal Checklist

Building Name: SW Appraisers: Paulick/Adkins/Parker Date: 2/20/96

Waste Minimization/Pollution Prevention Activities Screening Checklist

Does this facility generate waste or use chemicals?	(Y) / N	If yes, conduct the following survey.

Waste Minimiaztion/Pollution Prevention Activities Checklist

Regulatory Guideline	Question	Response	Comments
	Based on available information and a walk through, are there any apparent opportunities to curtail the consumption of raw materials (including but not limited to paper, chemicals, electricity, and etc.). If yes, list candidate areas in the comment section.	Y / (N)	
	Are there solvent wastes?	Y / N	N/A
	Is vehicle maintenance performed?	Y / N	
	Are oils used ?	Y / N	
	Are these corrosive wastes?	Y / N	
	Are there sludges?	Y / N	
	Are there halogenated organic (nonsolvent) wastes?	Y / N	
	Are metals recovered from wastewater?	Y / N	
	Is waste sludge generated?	Y / N	
	Are any waste minimization practices used that reduce the generation of sludge?	Y / N	
	Ion exchange process?	Y / N	
	Lead in gasoline lowered to reduce tank sludge toxicity?	Y / N	
	Storage tank agitators installed?	Y / N	
	Corrosive resistant materials used?	Y / N	
	Prevention of crude oil oxidation ?	Y / N	
	Drying?	Y / N	

Building Name: SW Appraisers: Paulick/Adkins/Parker Date: 2/20/96

Waste Minimization/Pollution Prevention Activities Checklist

Regulatory Guideline	Question	Response	Comments
HALOGENATED ORGANIC (NONSOLVENT) WASTES			
	Are halogenated organic wastes used as fuel in cement kilns?	Y / N	N/A
	Are baghouse filters used to collect pesticides and pesticide intermediates?	Y / N	
	Are solid wastes generated from the collection of baghouse dust?	Y / N	
	Wet instead of dry grinding used?	Y / N	
	The output spray dried?	Y / N	
	Has baghouse emptying and recycling of baghouse fines been scheduled?	Y / N	
	Have operations been evaluated to improve procedures such as handling, storage and spill prevention for increased efficiency?	Y / N	
METAL WASTES			
	Are any technologies for the recovering of metals from waste rinsewater used?	Y / N	
	Evaporation of waste rinsewater?	Y / N	
	Reverse osmosis?	Y / N	
	Ion exchange?	Y / N	
	Electrolysis?	Y / N	
	Agglomeration?	Y / N	
CORROSIVE WASTES			
	Are acidic or basic cleaning solutions used as treatment for pH adjustment chemicals?	Y / N	

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Environmental Appraisal Checklist

Building Name: 5W Appraisers: Paulick/Adkins/Parker Date: 2/20/96

Waste Minimization/Pollution Prevention Activities Checklist

Regulatory Guideline	Question	Response	Comments
	Are ion exchange resins used to remove heavy metals and cyanides from acid and base solutions?	Y / N	N/A
	Is crystallization used to remove corrosives from solution by cooling?	Y / N	
	Is the process of evaporation of liquid wastes by heating used to leave behind a more concentrated solution?	Y / N	
CYANIDE AND REACTIVE WASTES			
	Has non-cyanide or low concentration of cyanide process replaced zinc cyanide bath ?	Y / N	
	Are any of these processes used to recycle cyanide wastes?	Y / N	
	Refrigeration/crystallization?	Y / N	
	Evaporation?	Y / N	
	Ion exchange?	Y / N	
	Membrane separation which includes reverse osmosis or electrodialysis?	Y / N	
VEHICLE MAINTENANCE			
	How are auto parts cleaned?	Y / N	
	Solvent sink?	Y / N	
	Solvent dunk bucket?	Y / N	
	Solvent dip tank?	Y / N	
	Are parts cleaning solvents used for anything else besides cleaning parts?	Y / N	
	Are spills reduced by locating sinks or dunk buckets near auto service bays?	Y / N	

Building Name: SW Appraisers: Paulick/Adkins/Parker Date: 2/20/96

Waste Minimization/Pollution Prevention Activities Checklist

Regulatory Guideline	Question	Response	Comments
	Are cleaned parts drained on the sink to minimize solvent spills?	Y / N	N/A
	Are drip tanks used to capture losses?	Y / N	
	Is a solvent sink used for mineral solvents rather than a dunk bucket or dip tank?	Y / N	
	Does a waste hauler collect solvent waste for recycling or treatment?	Y / N	
OILS			
	What kind of oils are used?		
	Hydraulic oil?	Y / N	
	Transformer oil?	Y / N	
	Metal working fluids?	Y / N	
	Spent lubricating oils?	Y / N	
	Can the process be modified or changed to use water-based fluids?	Y / N	
	Are these good housekeeping and operation practices used to minimize oil waste production?		
	Use oils not contaminated with other liquids?	Y / N	
	Oil spills prevented?	Y / N	
	Drip pans installed?	Y / N	
	Oil soaked rags laundered?	Y / N	
	Rags and absorbants used to their limit?	Y / N	

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Environmental Appraisal Checklist

Building Name: SW Appraisers: Paulick/Adkins/Parker Date: 2/20/96

Waste Minimization/Pollution Prevention Activities Checklist

Regulatory Guideline	Question	Response	Comments
	Are these treatment techniques used to promote separation of oil/water wastes?		N/A
	Reclaiming process to remove water and solvents by heat?	Y / N	
	Gravity setting?	Y / N	
	Screening?	Y / N	
	Centrifugation?	Y / N	
	Filtration?	Y / N	
SOLVENT WASTES			
	Has there been an attempt to reduce volume or toxicity by:		
	Eliminating solvents?	Y / N	
	Reducing the use of solvents?	Y / N	
	Reducing the loss of solvents?	Y / N	
	Increasing recyclability?	Y / N	
	Are solvents segregated?	Y / N	
	Are waste solvents free from water and garbage?	Y / N	
	Are recycled solvent containers labeled as such?	Y / N	
	Are containers kept closed?	Y / N	
	Free and sheltered from the elements?	Y / N	
	Are solvent tanks kept as free from contaminations as possible so that the waste can be recycled?	Y / N	
	Is a method used to minimize the use of new materials such as a countercurrent process?	Y / N	

Building Name: SW Appraisers: Paulick/Adkins/Parker Date: 2/20/96

Waste Minimization/Pollution Prevention Activities Checklist

Regulatory Guideline	Question	Response	Comments
	If there is a recycling program, what technique is used?	Y / N	N/A
	Distillation?	Y / N	
	Solids removal?	Y / N	
	Dispersion breaking?	Y / N	
	Dissolved and emulsified organics recovery?	Y / N	
	Are any of these housekeeping procedures used to minimize the production of solvent wastes?		
	Separators cleaned and checked?	Y / N	
	Parts not allowed to enter the degreaser while wet?	Y / N	
	Sludge from the bottom of the tank not allowed to accumulate?	Y / N	
	Lids kept on tanks?	Y / N	
	Freeboard space on tanks increased?	Y / N	
	Are better operating practices used to reduce waste?	Y / N	
	How long is solvent waste stored and where?	_____ _____	

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9.29.6.2 Building Manager's Questionnaire

Building Manager's Questionnaire

Building Name: SW Building Manager: J.L. Allison Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

1. What are the access requirements (training, clearance, etc.)?

Q-clearance. [illegible] have escort [illegible] automatically alarm
GERT training for visitors

2. What protective equipment is required to enter the building? [illegible]

Contamination areas • shoe covers smock gloves liner, rubber gloves

3. Are there any restricted areas? (Yes) No
Where are they? [illegible]

All radiological areas within bldg
All areas with classified materials

4. Provide a physical description of the building.

This is a two-story (plus penthouse level) structure with masonry exterior walls and BUM roof (carboline, asphalt, and coal tar). Originally built in 1950, the SW complex has undergone 13 major additions. Total area is 43,066 ft^2. The building contains HEPA filtration and alpha and beta "hot" drains. The building is contaminated with radiological materials and asbestos.

Source: Mound Facility Physical Characterization, 12-1-93

5. Provide a drawing of the building.

Attached

6. What is the current building use?

Building is used for tritium component development, component evaluation operations, tritium recovery, and material analysis.

Source: Mound Buildings, 5-9-95

7. What is the history of building use other than that described in #6?

Certain areas of SW Bldg was also used for ~~[illegible]~~ for several research project related to plutonium, uranium, thorium, protactinium and other isotopes. These operations have been terminated but the areas still contain residues and tenement from [illegible] work some of which will require additional treatment to be removed

Source: Mound Buildings, 5-9-95

SAR

9.29-43

SW. Bldg

4.) ① The building has a HEPA filtration system which removes Alpha & beta contaminated particles in the filter bank (HEPA). The (ERS) or Effluent Removal System in SW captures (removes) tritium from the glove boxes in SW as well as in T Bldg. This tritium is in a gas form coming to the (ERS).

7) Certain areas in SW Bldg was also used for several research projects related to plutonium, thorium, protactinium uranium other radioactive isotopes and their daughter products. Most of these operations have been terminated but the areas still contain residues and ummers from previous work some of which will require additional treatment before removal.

8) ① with the possible exception of these items such as empty boxes that have been in the building for a short time and are found to be free of contamination or less than the release level.

② Tritiated water (T_2O) generated by ERS and contaminated oil from vacuum pumps are sent to SW149. T_2O is package in High level waste packaging to be sent to Nevada Burial site. The contaminated oil is left in oil reservoirs which are located in glove boxes.

14) ① The main drain is 24 in diameter made of concrete and lies under West Side of SW Bldg. It runs to a retention basin where it is evaporated or goes to Miami River.

15). ①

There is an 8 in diameter pipe which runs under SW Bldg in a South Westerly direction to SD Bldg

9.29-44

26) a Sump pits are double contained. They have an overflow tank to capture water if pump fail or excess flow. Sump pits capture Alpha & Beta water from SW-AND part of R Bldg. Tanks approx fill once every 2-3 days. Overflow of Sump occured in 1994 do to water main break inbetween SW8 & SW13

Building Manager's Questionnaire

Building Name: SW Building Manager: J.L. Allison Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

8. What are ongoing operations or processes? What are the raw materials and waste streams from each process? Who is the best contact for each process?
ERS, LSI trash. From various activities in Bldg See question #6
T_2O (water) from ERS
Also applies to Corridor 2 of Building R

Process(es) Housed: Component evaluation operations/metallurgy, analytical services/welding, process development, calibration lab, decontamination, health physics, liquid rad waste processing/tritium recovery

How Wastes Are Generated:

How wastes are generated and handled by the various operations in Building SW is discussed below. However, since tritium is handled in much of the building, there are some building-wide waste-handling conventions that should be mentioned. All trash from Building SW is treated as radioactive (with the possible exception of those items such as empty boxes that have been in the building a short time and are found to be free of contamination). Water not thought to be highly contaminated is collected in four sumps in Building SW and pumped to Building WD for treatment as low level radioactive liquid. Air/gas from gloveboxes, secondary containments, and vacuum pump exhausts is circulated through the Effluent Removal System (ERS) for tritium removal and then exhausted through the SW stack. Air containing small amounts of tritium and HTO from fumehoods and room ceiling exhausts is vented to the stacks. Water generated in the ERS and contaminated oil from vacuum pumps, are sent to room SW-149 for ~~treatment & packaging~~ High level waste packaging to be sent to Nevada Federal site

Component Evaluation Operations/Metallurgy: Tritium-containing components of weapons (reservoirs) undergo a number of tests dispersion x ray (including vibration, shock, thermal, acceleration, leak, functional, flow, burst) and are then sectioned and examined. Any operation in which there is a chance of a tritium leak is performed in a glovebox, and the atmosphere from the glovebox is processed by the ERS. If components need to be cleaned or decontaminated, they are wiped with methyl, ethyl, or isopropyl alcohol. Acetone is used infrequently. In general, the solvent is poured on a cloth or paper which is used to clean the component. The solvent evaporates, and the cloth or paper is put in the trash. (Note that most cleaning is done in the fumehoods which vent to the stack.)

In the metallurgy area, kerosene is used as a lubricant for grinding and polishing, octane is used as an epoxy thinner, and xylene and toluene are used (in 5 mL quantities) for cleaning the polished surfaces. The small amounts of organic liquids evaporate, and there are no liquid wastes to dispose of. Radioactive items from the gloveboxes are packaged in bags or cans (depending upon their level of radioactivity) and put with radioactive trash or prepared for classified burial.

Analytical Services/Welding: Analytical services performed in Building SW include x-ray diffraction, calorimetry, chemical, and mass

spec analyses. For the purposes of discussing waste generation, welding is also included in this group. In general these groups receive a sample to be evaluated (or welded), perform their analyses, and send the sample back to the originator. If there is a chance of tritium contamination or leakage, the analysis is done in an enclosed area connected to the ERS. Occasionally a sample is wiped with isopropyl or ethyl alcohol or acetone. The solvent evaporates, and the cloth or paper used for wiping is put in the trash. Chemical analyses sometimes require the use of sodium hydroxide or sodium acetate as a solvent. Any solvent that does not evaporate is mixed with vermiculite and goes out as hot waste.

Process Development: Most of the wastes generated in this operation are radioactive gas or trash. Alcohol or trichloroethane can be used to wipe off parts. The solvent is allowed to evaporate, and the cloth is put in the trash. If there is any uncontaminated liquid waste, it is put in a scrap solvent container for pickup by Waste Management. Some chemicals are stored in the process development area. Excess chemicals were discarded during a cleanup campaign in 1988 and 1989.

Calibration Lab: Instruments being calibrated may be cleaned by wiping them with alcohol or detergent. The cleaning fluid evaporates, and no liquid wastes are generated. Some mercury waste results from work with thermometers. It is picked up by Waste Management. Conversion to digital thermometers is desirable, but some applications require mercury.

Decontamination: Rooms SW-9, SW-142, and R-114 are being decontaminated (Corridor 2 of Building R is considered to be part of SW since it houses tritium operations). All of the trash generated during decontamination is considered to be radioactive. Approximately 75-85% of that trash is LSA and is put in drums or plywood boxes. Trash with higher levels of contamination is packaged in a liner/drum combination, in steel boxes, or in liner/drums within steel boxes. Rooms being decontaminated are cleaned with water and detergent (no hazardous chemicals), and the waste water goes to Building WD for treatment. Some asbestos has been removed. It is packaged with other LSA waste, and the drum is labeled to show it contains asbestos.

Health Physics: Health Physics personnel check for contamination in the building. They also check for off-gassing in waste drums before shipment. Wipe samples to determine surface contamination are put in a scintillation cocktail (Atomlight) and counted. Increasing use of the Tri-Carb Liquid Scintillation Counter will result in an increased volume of scintillation vials with contaminated liquid. Vials are treated as radioactive wastes if they are found to have an activity greater than 100,000 dpm. Otherwise, they are handled as hazardous wastes.

Liquid Radioactive Waste Treatment/Tritium Recovery: Low level radioactive water is sent to Building WD for treatment. High level liquids are piped to the High Level Liquid Waste Packaging Facility in rooms SW-149 and SW-149-A. High level radioactive water is generated when gas from the ERS is passed over a heated catalyst, and the tritium is oxidized to form water. The high level water is sent to a holding tank in SW-149. It is pumped from this tank to be mixed with cement and plaster in [illegible]-gal drum liners, which are coated with tar

Building Manager's Questionnaire

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Alternate: _____ Phone: _____

and packed in 30-gal drums. The 30-gal drums are overpacked with tar and vermiculite in 55-gal drums. Contaminated oil from vacuum pumps, diffusion pumps, gear boxes, etc., is sent to another holding tank in SW-149. The oil is mixed with vermiculite, packed in drums, and overpacked. In SW-149-A tritium-contaminated water from ERS and other weapons complex sites is cleaned before being sent to the Tritium Aqueous Waste Recovery System (TAWRS) in Building T. (Note that the TAWRS was not operational at the time of this survey.) Room R-108 houses the tritium recovery from solids operations. Tritium is dissociated from metal hydrides, collected, purified, and returned to the tritium stream. Residues from this operation are placed in stainless steel cans which are welded closed. The cans are submerged in tar in a 30-gal drum, and vermiculite is spread over the tar. Alcohol is sometimes used for cleaning during the tritium recovery operation. Nitric acid may be used to clean uranium. Generally the cleaning liquid evaporates. Waste solvent cans are available if excess liquid remains. Any solvents containing radioactive material are handled as mixed wastes.

NO longer applicable because of [illegible]

Contact:
Phone #:

Source: Characterization of Mound's Hazardous, Radioactive, and Mixed Wastes, (8-15-90).

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Building Manager's Questionnaire

Building Name: SW Building Manager: J.L. Allison Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

9. In the last six months, have any modifications been made to the building or to processes in the building? Yes (No)

10. Does the building have air emission sources? Yes

Process Source	Room Number	Hood Number	Active	Chemicals Used	Quantity Used	Quantity to Waste Management	Lbs./Yr. Operation	Air Emissions
Labs & tritium processes	SW002	SW0020001	Y	window cleaner ethanol (acetone, methanol listed on IH Tags posted on F.H)	0.042 0.34		2.016 1.632	
Labs & Tritium processes	SW013 areas ready standby	SW0130006	Y	ethanol	.01		4	
Labs & tritium processes	SW008 ERS Pump HOODS	Sw0080004	Y	window cleaner naval jelly HCl, KOH, mercury	.001		.001	
Labs & tritium processes	SW013 area ready standby	SW0130013	Y	ethanol	.01		.5	
Labs & tritium processes	SW013 area ready standby	SW0130018	Y	acetic acid ethanol hydrochloric acid nitric acid	.0065 .062 .0024 .0052		3.25 31 1.2 2.6	
Labs & tritium processes	SW013 area ready standby	SW0130001	Y	Ethanol acetic acid hydrochloric acid nitric acid kerosene	.025 .0026 .0024 .0052 .0004		20 2.08 1.92 4.16 .32	
Labs & tritium processes	SW016 operation removed.	SW0160001	~~Y~~ N	~~ethanol~~	.002		.02	
Labs & tritium processes	SW013 area ready standby	SW0130004	Y	ethanol nitric acid	.1 .0052		80 4.16	
Labs & tritium processes	SW021	SW0210002	Y	1,1,1-trichloroethane window cleaner	.001 .004		.24 .96	
Labs & tritium processes	SW021	SW0210003	Y	stoddard solvent 1,1,1-trichloroethane window cleaner	.0063 .001 .004	HAZMAT?	3.024 .48 1.92	
Labs & tritium processes	SW142 renovated - has not gone HOT	SW1420002	~~Y~~ N	ethanol window cleaner RTV-102 sealer	.04 .04 .005		32 32 4	
Labs & tritium processes	SW021	SW0210004	Y	1,1,1-trichloroethane window cleaner	.001 .004		.48 1.92	
Labs & tritium processes	SW147	SW1470001	Y	window cleaner	.001		.6	
Labs & tritium processes	SW021	SW0210005	Y	1,1,1-trichloroethane window cleaner stoddard solvent	.001 .004 .007		.48 1.92 3.36	
Labs & tritium processes	SW200 safe shutdown	SW2000001 2 3	~~Y~~ N	isopropanol window cleaner argon acetylene	.008 .021 .001 .001		.768 2.016 .096 .096	

SW-13 Hoods 1-18

1,1,1, Trichloroethane

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Building Manager's Questionnaire

Building Name: SW · Building Manager: J.L. Allison Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

Process Source	Room Number	Hood Number	Active	Chemicals Used	Quantity Used	Quantity to Waste Management	Lbs./Yr. Operation	Air Emissions
Labs & tritium processes	SW021	SW0210006	Y	1,1,1-trichloroethane window cleaner	.001 .004		.48 1.92	
Labs & tritium processes	SW200 ready standby	SW2000002	~~Y~~ N	isopropanol window cleaner CA-200SL glue	.002 .017 .001		1.2 10.2 .6	
Labs & tritium processes	SW142 remodeled HAS NOT GONE HOT	SW1420001	~~Y~~ N	ethanol window cleaner RTV-102 sealer	.04 .04 .005		32 32 4	
Labs & tritium processes	SW200 ready standby	SW2000003	~~Y~~ N	isopropanol window cleaner	.002 .017		1.2 10.2	
Labs & tritium processes	SW009	SW0090001 SW009002	Y Y	ethanol exhaust gas bottle fitting	.095		19	

Source: Mound Air Emissions Database 11/30/95

Welding	SW-10	Y	
Component testing	SW-146	Y	methyl alcohol
Decon.	SW125	Y	window shine
Component Development	SW150	Y	window shine
	SW132	N	

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Building Manager's Questionnaire

Building Name: SW Building Manager: J.L. Allison Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

11. Describe air pollution control equipment used to reduce emissions for each source.

Process Source	Emissions	Control Equipment	Functioning
Fumehood Room 208		demister and ABS filter	Y / N
Fumehood Room 219		demister and rough filter	Y / N
			Y / N

Source: Air Permits 2/4/95

12. For existing permits are emissions monitored? At what frequency? Where are the records maintained?

Process Source	Permit	Log	Permit Conditions & Frequency of Monitoring
Fumehood Room 208	083237P012	(Y) / N	Limits: 0.504 lbs/hr; 0.52 TPY OCS; R/SW HEPS stack
Fumehood Room 219	083237P014	(Y) / N	Limits: 0.505 lbs/hr; 0.07 TPP OCS SW-1 - CN stack
Fumehood 219	P015	(Y) / N	

Source: Air Permits 2/4/95

13. Does the building have domestic water service? (Yes) No
Is there bottled water? Yes (No)

14. Does the building discharge to the storm sewer? (Yes) No
Where? ① The main drain is 24 in. in diameter (concrete) under West side of SW Bldg Runs to retention basin where it evaporates or goes to the Clinch River pg. 105

15. Does the building discharge to the sanitary sewer? (Yes) No
Where? ② SD Bldg 6 in. diameter pipe runs under SW Bldg in Southwestern direction to SD Bld pg. 105

16. Has an asbestos survey been conducted? Yes
What are the results? ~~Yes~~ See Attached

Source: Technical Manual MD-10391, Issue 3 Asbestos Program Manual 9/6/95

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Building Manager's Questionnaire

Building Name: SW Building Manager: J.L. Allison Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

17. Does the building contain transformers or capacitors? No; removed in 1990

Source: PCB ANNUAL DOCUMENT LOG

18. Has the building been identified as containing PCBs? No; removed in 1990

Source: PCB ANNUAL DOCUMENT LOG

19. What chemicals are used or stored inside or outside of the building? Include compressed gasses not in large tanks.

Chemical Name	State	Amount (MAX)
NABC	L	50/QT
NAVEL JELLY	L	15/QT
ODOR BANE	L	20/GA
RINSE FREE STRIP	L	20/GA
SURE BET	L	30/GA
WINDOW SHINE	L	60/GA
ZIP STRIP	L	20/GA
HYDROCHLORIC ACID	L	2/LB
SODIUM HYDROXIDE	S	1/LB
POLYPHENYL ETHER	P	10/GA
FISHER PUMP FLUID	LP	10/L
VACUUM PUMP FLUID	LP	3/GA
* CYCLOHEXANE	L	50/ML
MOLYKOTE 321 LUBE	L	143/OZ
RUST-OLEUM CLEANER#3599	L	64/OZ
WD-40 LUBRICANT	L	3/GA
FOMBLIN	LP	4/PT
MERCURY USED	L	3/L/
SANTAVAC	LP	400/ML
WINDOW CLEANER	L	1/PT
COOLANOL 20	P	20/GA
DOWTHERM J	P	10/GA
ABOVE FLOOR FIN SPRAY	L	30/GA
AJAX	S	50/OZ
ALUMINUM JELLY	L	15/QT
CON-SEAL	L	15/GA
CONQUEST	L	20/GA
DC-13	L	25/GA
DMQ	L	12/GA
FLORCO	S	150/LB
GREASE B GONE	L	20/GA
LIL BROTHER SAM	L	20/QT

Source: Chemical Inventory 1994

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Building Manager's Questionnaire

Building Name: SW Building Manager: J.L. Allison Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

20. Has there been a reported spill, leak, or other release of any chemical? Yes No
What, how much, and what clean-up measures were followed?

2/9 sprinkler SW.B

Chemical	Amount	Clean-up Measures
Coolant / 20	55 gal	vacuumed up placed in drum

Source: _____

21. Where do waste chemicals go?

Waste management

22. What janitorial supplies are stored inside or outside of the building?

Window cleaner
NABC
~~See~~ SEE Attached form #22

23. Where do excess janitorial supplies go?

SW-104 and in various janitorial closets throughout SW Bldg

Source: Robert Berkinwebl

24. Are pesticides or herbicides stored or used in or around the building? Yes No

Chemical	Amount	Chemical	Amount

Source: _____

9.29-53

Building Manager's Questionnaire

Building Name: SW Building Manager: J.L. Allison Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

25. Does the building contain active or inactive above ground storage tanks? Yes No
For each tank, list the content, quantity, last inspection, registration number.
SURGE TANK for ERS, LN2 tanks for Bldg. Small ARGON, nitrogen,

Registration Number	Content	Quantity	Last Inspection Date	Preventive Maintenance Performed	Inside Or Outside
	NITROGEN	6000 GAL		Y/N	
	NITROGEN	6000 GAL		Y/N	
68476-34-6	DIESEL FUEL	1500 GAL		Y/N	IN
107-21-1	ETHYLENE GLCOL	01C		Y/N	08
7782-37-9	NITROGEN	04C			OUTSIDE
7782-37-9	NITROGEN	04C			OUTSIDE
7782-37-9	NITROGEN	01C			147
7782-37-9	NITROGEN	01C			150
7782-37-9	NITROGEN	01C			152
7782-37-9	NITROGEN	01C			20
7782-37-9	NITROGEN	01C			200
7782-37-9	NITROGEN	01C			238
7697-37-2	NITRIC ACID	01C			13
7664-93-9	SULFURIC ACID	01C			13
7440-59-7	HELUIM	01C			147
7440-59-7	HELIUM	01C			150
7440-59-7	HELIUM	01C			152
7440-59-7	HELIUM	01C			20
7440-59-7	HELIUM	01C			238
7440-59-7	HELIUM	01C			240
107-21-1	ETHYLENE GLYCOL	01C			150
107-21-1	ETHYLENE GLYCOL	01C			13
107-21-1	ETHYLENE GLYCOL	01C			217
7440-37-1	ARGON	02C			13
7440-37-1	ARGON	01C			150
7440-37-1	ARGON	01C			152
7440-37-1	ARGON	01C			09
7440-37-1	ARGON	01C			09
7782-37-9	NITROGEN	01C		Y/N	09

I-BD
I-BD
BD58

Source: Emergency and Hazardous Chemical Inventory Form - Chemical Storage Tanks on EGG Mound Site Owned and Maintained by Outside Contractors 8/8/94

9.29-54

Building Manager's Questionnaire

Building Name: SW Building Manager: J.L. Allison Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

26. Is there a sump or pit or underground tank in or around the building?
Yes No Unknown possibly Water: Oak H2O
① Is it double-walled? What does it contain? How many days per year is it filled?
Is there an emergency overflow tank? Have there been previous overflows? yes
yes Double contained 1994

Double-Walled	Contents	Days/Year in Use	Overflow Tank	Previous Overflow
Y / N			Y / N	Y / N

Source: _____

27. Does the building generate, store, or dispose of hazardous waste? Yes No

Materials	Amount
ATTACHED	

Source: Characterization of Mounds Hazardous, Radioactive, and Mixed Wastes 08/15/90

9.29-55

SW BLDG	ACETOPHENONE	D001 U004	0.5
SW BLDG	ALLYL PHENYL SULFONE	NONE	0.1
SW BLDG	ALLYL PHENYL SULFOXIDE	NONE	0.1
SW BLDG	AMMONIUM CHLORIDE	NONE	0.1
SW BLDG	AMYL PHOSPHATE	NONE	0.2
SW BLDG	BENZYL METHYL SULFOXIDE	NONE	0.2
SW BLDG	BENZYL PHENYL SULFOXIDE	NONE	0.1
SW BLDG	BENZYLSULFOXIDE	NONE	0.4
SW BLDG	BORON PHOSPHATE	NONE	1.0
SW BLDG	BRITESORB 90	NONE	4.9
SW BLDG	BUTYL (DI) BUTYLPHOSPHONATE	NONE	3.3
SW BLDG	BUTYL (DI-ISO) -ISO-BUTYLPHOSPHONATE	NONE	0.1
SW BLDG	BUTYL (N) -BUTYLPHOSPHONATE	NONE	0.1
SW BLDG	BUTYL CYCLOHEXANONE	NONE	0.2
SW BLDG	BUTYL SULFONE	NONE	0.1
SW BLDG	BUTYL SULFOXIDE	NONE	0.2
SW BLDG	BUTYL SULFOXIDE	NONE	0.1
SW BLDG	BUTYROPHENONE	NONE	0.1
SW BLDG	CADMIUM OXIDE	D006	1.1
SW BLDG	CALCIUM NITRATE	D001	0.5
SW BLDG	CHELEX 20	NONE	25.0
[illegible]LDG	CYCLOHEXANE (1,2) -DIONE	NONE	0.1
[illegible]LDG	CYCLOHEXANE CARBINOL	D001	0.1
SW BLDG	DAP FLEXISEAL	D003 D005	5.5
SW BLDG	DIAMYL SULFOXIDE	NONE	0.1
SW BLDG	DIBUTYLETHYLPHOSPHONATE	D001	0.1
SW BLDG	DIBUTYLMETHYLPHOSPHONATE	NONE	0.2
SW BLDG	DIDECYL SULFOXIDE	NONE	0.1
SW BLDG	DIETHYLBENZYLPHONATE	D001	0.1
SW BLDG	DIETHYLBENZYLPHOSPHONATE	NONE	0.1
SW BLDG	DIHEXYL SULFONE	D001	0.1
SW BLDG	DIHEXYL SULFOXIDE	NONE	0.1
SW BLDG	DIISO BUTYLBUTYLPHOSPHONATE	D001	0.3
SW BLDG	DIISOAMYL SULOXIDE	NONE	0.1
SW BLDG	DIISOBUTYL SULFOXIDE	NONE	0.1
SW BLDG	DIMETHYL OXOPROPYLPHOSPHONATE	NONE	0.1
SW BLDG	DIPHENYL (1,3) -TETRAMETHYLDISILOXANE	D001	0.1
SW BLDG	DIPHENYL SULFOXIDE	NONE	0.1
SW BLDG	DIPROPYL SULFONE	NONE	0.1
SW BLDG	DODECANE	NONE	1.1
SW BLDG	DODECANE (N)	NONE	1.1
SW BLDG	ETHYL (2) HEXYL-PHOSPHATE	NONE	1.1
SW BLDG	ETHYL (3) -3-PENTANOL	NONE	0.1
SW BLDG	ETHYL HEPTAFLUOROBUTYRATE	D002	0.1
SW BLDG	ETHYL HEXYL (TRIS-2) -PHOSPHATE	NONE	0.4
SW BLDG	ETHYL PHENYL SULFONE	NONE	0.1
[illegible]LDG	ETHYL PHENYLGLYOXYLATE	NONE	0.1

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SW-237	ZIRCONIUM METAL	D003	2.1

SW BLDG	GAGEKOTE 5 PART A	NONE	1.8
SW BLDG	GAGEKOTE 5 PART B	NONE	0.7
SW BLDG	GLYCOL SULFITE	D001	0.1
SW BLDG	HEXAETHYOXYMETHANE	D001	0.1
SW BLDG	HEXYL (TRI) -PHOSPHATE	NONE	0.1
SW BLDG	INK	NONE	1.0
SW BLDG	ISO-OCTYL (TRI) -AMINE	D001	0.2
SW BLDG	ISOAMYL ISOOCTYLPHOSPHATE	D002	0.2
SW BLDG	ISOBUTYL TIN OXIDE	NONE	0.1
SW BLDG	ISOPROPYL (2) PHENOL	NONE	0.2
SW BLDG	ISOPROPYL SULFONE	NONE	0.1
SW BLDG	ISOPROPYLPHENYL SULFOXIDE	NONE	0.1
SW BLDG	KOPPERS ARCYLIC 400- XYLENE	F003	7.8
SW BLDG	LOCK EASE	NONE	0.3
SW BLDG	MERCURY	D009	0.4
SW BLDG	MERIUM FLUID 3	D001	0.5
SW BLDG	METHYL TOLYSULFONE	NONE	0.1
SW BLDG	METHYL-O-TOLUATE	NONE	0.1
SW BLDG	METHYLPHENYL SULFOXIDE	NONE	0.1
SW BLDG	MICROBALLOONS	NONE	0.1
SW BLDG	NITRIC ACID	D001	0.5
SW BLDG	NONHAZ SCINTILLATION VIALS	NONE	130.0
SW BLDG	OIL WASTE	NONE	120.4
SW BLDG	OIL WASTE	NONE	459.0
SW BLDG	OIL WASTE	NONE	70.8
SW BLDG	OXABICYCLO (7) -HEPTANE	D001	0.1
SW BLDG	OXALIC ACID	NONE	2.4
SW BLDG	PCB BALLAST (1) (BULKED INTO 92-167 ON 07-27-92)	PCB2	0.5
SW BLDG	PENTAMETHYLENE SULFIDE	D003	0.1
SW BLDG	PENTANEDIOL (1,5)	NONE	0.2
SW BLDG	PENTANOL (3)	D001	0.1
SW BLDG	PENTENE (1) -3-OL	D001	0.1
SW BLDG	PENTENE (3) -2-OL	D001	0.2
SW BLDG	PENTENE (3)- 2-ONE	D001	0.1
SW BLDG	PENTENE (4)- 2-OL	D001	0.1
SW BLDG	PHENETHYLISOTHIOCYANATE	D003	0.1
SW BLDG	PHENYL (1) -1,2-PROPANEDIONE	D001	0.4
SW BLDG	PHENYL (1) -1-PROPANOL	D001	0.2
SW BLDG	PHENYL (1)- 2-HEXANONE	NONE	0.1
SW BLDG	PHENYL (2) -2-PROPANOL	NONE	0.2
SW BLDG	PHENYL (2)- CYCLOHEXANONE	NONE	0.1
SW BLDG	PHENYL ARSENOXIDE	D004	0.1
SW BLDG	PHENYL DICHLOROPHOSPHATE	D002	0.1
SW BLDG	PHENYLISOCYANATE	D003	0.2
SW BLDG	PLASTIC CEMENT, ASBESTOS	NONE	90.8
SW BLDG	POLYDIMETHYLSILOXANE	NONE	0.2
SW BLDG	POTASSIUM CARBONATE	NONE	2.4
SW BLDG	POTASSIUM CHLORIDE	NONE	0.4
SW BLDG	POTASSIUM FLUORIDE	NONE	0.2
SW BLDG	PROPYL SULFIDE	D003	0.2
SW BLDG	PROPYL SULFONE	NONE	0.1
SW BLDG	RUSTOLEUM ACTIVATOR	D001 F003	35.0
SW BLDG	SIKAFLEX 1A- XYLENE	F003	28.7
SW BLDG	SODIUM CARBONATE MONOHYDRATE	NONE	20.0

SW BLDG	SODIUM HYPOPHOSPHATE	NONE	0.2
SW BLDG	SODIUM IODATE	D001	0.2
SW BLDG	SODIUM PHOSPHATE	NONE	0.2
[illegible]DG	STAY CLEAN FLUX	NONE	1.0
SW BLDG	STRONTIUM CHLORIDE	NONE	1.0
SW BLDG	TETRA AMYL METHYLENE DIPHOSPHONATE	NONE	0.1
SW BLDG	TETRAMETHYLENE SULFONE	NONE	0.2
SW BLDG	TETRAMETHYLENE SULFOXIDE	NONE	0.1
SW BLDG	TETRAMETHYLUREA (1,1,3,3)	D001	0.7
SW BLDG	THORO PATCH LIQUID	NONE	3.5
SW BLDG	TIBP	D001	4.4
SW BLDG	TOLYL SULFOXIDE	NONE	0.1
SW BLDG	TRIBUTYL PHOSPHATE	NONE	2.2
SW BLDG	TRIFLUOROACETIC ACID	D002	0.8
SW BLDG	TRIPIPERIDINOPHOSPHINE OXIDE	NONE	0.1
SW BLDG	ULTRASONIC CLEANER	D001	4.0
SW BLDG	ULTRASONIC CLEANER	D001	4.0
SW CAVE	AIR DRY PLASTIC COATING	D001	0.5
SW CAVE	AMMONIUM HYDROXIDE	D002	22.4
SW CAVE	BORON PHOSPHATE	NONE	0.4
SW CAVE	CERIC SULFATE	NONE	19.8
SW CAVE	CIMPERIAL 1011 GREEN	NONE	164.4
SW CAVE	COBALTOUS NITRATE	D001	0.1
SW CAVE	DIISOBUTYL-ISO-BUTYLPHOPHONATE	NONE	0.2
SW CAVE	HEXANOL (1)	D001	2.2
SW CAVE	HYDROGEN PEROXIDE	D001 D003	0.5
[illegible]W CAVE	HYDROXYL AMINE HYDROCHLORIDE	NONE	120.0
[illegible] CAVE	PHENETHYL ALCOHOL	D001	1.1
[illegible]AVE	POTASSIUM DICHROMATE	D001 D007	19.8
[illegible]AVE	PROPYLPHOSPHATE (TRI-N)	D001	0.2
SW CAVE	SODIUM CARBONATE	NONE	200.0
SW CAVE	THENOYLTRIFLUOROACETONE	NONE	0.1
SW CAVE	TITANOUS CHLORIDE	D002 D003	11.0
SW DOCK	OIL WASTE	D001	388.2
SW-229	NONHAZ SCINTILLATION VIALS	NONE	136.5
SW-229	NONHAZ SCINTILLATION VIALS	NONE	147.9
SW-229	NONHAZ SCINTILLATION VIALS	NONE	156.1
SW-229	NONHAZ SCINTILLATION VIALS	NONE	236.2
SW-229	NONHAZ SCINTILLATION VIALS	NONE	159.8
SW-229	NONHAZ SCINTILLATION VIALS	NONE	230.6
SW-229	NONHAZ SCINTILLATION VIALS	NONE	168.6
SW-229	NONHAZ SCINTILLATION VIALS	NONE	160.1
SW-229	NONHAZ SCINTILLATION VIALS	NONE	232.6
SW-229	NONHAZ SCINTILLATION VIALS	NONE	241.1
SW-229	NONHAZ SCINTILLATION VIALS	NONE	222.8
SW-229	NONHAZ SCINTILLATION VIALS	NONE	271.3
SW-229	NONHAZ SCINTILLATION VIALS	NONE	230.2
SW-229	NONHAZ SCINTILLATION VIALS	NONE	267.0
SW-229	NONHAZ SCINTILLATION VIALS	NONE	264.2
SW-229	NONHAZ SCINTILLATION VIALS	NONE	250.3
SW-229	NONHAZ SCINTILLATION VIALS	NONE	167.4
SW-229	NONHAZ SCINTILLATION VIALS	NONE	256.2
SW-229	NONHAZ SCINTILLATION VIALS	NONE	239.0
SW-229	NONHAZ SCINTILLATION VIALS	NONE	220.2
[illegible]29	NONHAZ SCINTILLATION VIALS	NONE	250.8

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SW-229	NONHAZ SCINTILLATION VIALS	NONE	64.9
SW-229	NONHAZ SCINTILLATION VIALS	NONE	200.6
SW-229	NONHAZ SCINTILLATION VIALS	NONE	240.3
[illegible]	NONHAZ SCINTILLATION VIALS	NONE	235.2
[illegible]	NONHAZ SCINTILLATION VIALS	NONE	231.8
SW-229	NONHAZ SCINTILLATION VIALS	NONE	234.7
SW-229	NONHAZ SCINTILLATION VIALS	NONE	249.9
SW-229	NONHAZ SCINTILLATION VIALS	NONE	252.5
SW-229	NONHAZ SCINTILLATION VIALS	NONE	235.5
SW-229	NONHAZ SCINTILLATION VIALS	NONE	220.8
SW-229	NONHAZ SCINTILLATION VIALS	NONE	214.4
SW-229	NONHAZ SCINTILLATION VIALS	NONE	216.5
SW-229	NONHAZ SCINTILLATION VIALS	NONE	230.3
SW-229	NONHAZ SCINTILLATION VIALS	NONE	221.2
SW-229	NONHAZ SCINTILLATION VIALS	NONE	215.6
SW-229	NONHAZ SCINTILLATION VIALS	NONE	234.5
SW-229	NONHAZ SCINTILLATION VIALS	NONE	218.0
SW-229	NONHAZ SCINTILLATION VIALS	NONE	209.3
SW-229	NONHAZ SCINTILLATION VIALS	NONE	129.9
SW-229	NONHAZ SCINTILLATION VIALS	NONE	123.6
SW-229	NONHAZ SCINTILLATION VIALS	NONE	232.7
SW-229	NONHAZ SCINTILLATION VIALS	NONE	229.6
SW-229	NONHAZ SCINTILLATION VIALS	NONE	224.2
SW-229	NONHAZ SCINTILLATION VIALS	NONE	233.5
SW-229	NONHAZ SCINTILLATION VIALS	NONE	228.5
SW-229	NONHAZ SCINTILLATION VIALS	NONE	146.6
SW-229	NONHAZ SCINTILLATION VIALS	NONE	235.9
SW-229	NONHAZ SCINTILLATION VIALS	NONE	213.4
[illegible]	NONHAZ SCINTILLATION VIALS	NONE	232.4
[illegible]	NONHAZ SCINTILLATION VIALS	NONE	192.5
SW-229	NONHAZ SCINTILLATION VIALS	NONE	220.7
SW-229	NONHAZ SCINTILLATION VIALS	NONE	228.2
SW-229	NONHAZ SCINTILLATION VIALS	NONE	235.8
SW-229	NONHAZ SCINTILLATION VIALS	NONE	235.6
SW-229	NONHAZ SCINTILLATION VIALS	NONE	207.0
SW-229	NONHAZ SCINTILLATION VIALS	NONE	209.2
SW-229	NONHAZ SCINTILLATION VIALS	NONE	214.0
SW-229	NONHAZ SCINTILLATION VIALS	NONE	190.3
SW-229	NONHAZ SCINTILLATION VIALS	NONE	132.1
SW-229	NONHAZ SCINTILLATION VIALS	NONE	218.8
SW-229	NONHAZ SCINTILLATION VIALS	NONE	226.7
SW-229	NONHAZ SCINTILLATION VIALS	NONE	141.4
SW-229	NONHAZ SCINTILLATION VIALS	NONE	121.5
SW-229	NONHAZ SCINTILLATION VIALS	NONE	241.4
SW-229	NONHAZ SCINTILLATION VIALS	NONE	133.5
SW-229	NONHAZ SCINTILLATION VIALS	NONE	191.0
SW-229	NONHAZ SCINTILLATION VIALS	NONE	241.4
SW-229	NONHAZ SCINTILLATION VIALS	NONE	242.4
SW-229	NONHAZ SCINTILLATION VIALS	NONE	226.7
SW-229	NONHAZ SCINTILLATION VIALS	NONE	248.0
SW-229	NONHAZ SCINTILLATION VIALS	NONE	166.4
SW-229	NONHAZ SCINTILLATION VIALS	NONE	244.3
S[illegible]	NONHAZ SCINTILLATION VIALS	NONE	199.0
SW[illegible]	NONHAZ SCINTILLATION VIALS	NONE	233.1
[illegible]29	NONHAZ SCINTILLATION VIALS	NONE	226.4

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SW-229	NONHAZ SCINTILLATION VIALS	NONE	230.6
SW-229	NONHAZ SCINTILLATION VIALS	NONE	200.0
SW-229	NONHAZ SCINTILLATION VIALS	NONE	200.0
[illegible]37	ACETIC ACID	D002	0.4
SW-237	ACETIC ACID	D002	4.0
SW-237	ALIZARIAN RED S	NONE	0.3
SW-237	ALUMINA ACTIVATED	NONE	1.0
SW-237	ALUMINUM FIBRATED SHEILD	D001	75.0
SW-237	ALUMINUM FIBRATED SHEILD	D001	75.0
SW-237	ALUMINUM FIBRATED SHEILD	D001	75.0
SW-237	ALUMINUM METAL	NONE	1.6
SW-237	ALUMINUM NITRATE	D001	2.6
SW-237	ALUMINUM OXIDE	NONE	2.4
SW-237	ALUMINUM OXIDE	NONE	1.0
SW-237	ALUMINUM OXIDE	NONE	6.8
SW-237	ALUMINUM ROOFING COATING 445	D001	75.0
SW-237	ALUMINUM TELLURIDE	NONE	0.1
SW-237	AMIDOSULFONIC ACID	NONE	1.7
SW-237	AMIDOSULFONIC ACID	NONE	1.7
SW-237	AMINOGUANIDINE NITRATE	D001	0.6
SW-237	AMMONIUM ACETATE	NONE	2.1
SW-237	AMMONIUM ACETATE	NONE	2.1
SW-237	AMMONIUM ACETATE	NONE	2.0
SW-237	AMMONIUM CARBONATE	NONE	2.0
SW-237	AMMONIUM CITRATE	NONE	3.1
SW-237	AMMONIUM CITRATE	NONE	1.7
SW-237	AMMONIUM DICHROMATE	D001 D007	1.1
SW-237	AMMONIUM FLUORIDE	NONE	2.5
[illegible]37	AMMONIUM HYDROXIDE	D002	3.9
SW-237	AMMONIUM NITRATE	D001	1.9
SW-237	AMMONIUM OXALATE	NONE	1.2
SW-237	AMMONIUM OXALATE	NONE	1.6
SW-237	AMMONIUM OXALATE	NONE	3.4
SW-237	AMMONIUM SALT	NONE	0.3
SW-237	AMMONIUMFORMATE	NONE	4.2
SW-237	ANION EXCHANGE RESIN (Cl2)	NONE	32.0
SW-237	ANTHRANILIC ACID	NONE	7.3
SW-237	ANTIMONY TRIOXIDE	NONE	1.9
SW-237	AQUASOL 220	D001	13.7
SW-237	ARSENOPHENYL-2-NAPHTHOL-3,6-DISULFO NIC ACID DISODIUM SALT	NONE	0.4
SW-237	ASCORHIC ACID	NONE	0.5
SW-237	AURINTRICARBOXYLIC ACID	NONE	0.3
SW-237	BARIUM CHLORIDE	D005	2.3
SW-237	BARIUM DIPHENYLAMINE SULFONATE	D005	0.2
SW-237	BARIUM GRANULES	D005	0.3
SW-237	BARIUM OXIDE	D005	4.9
SW-237	BENZOIC ACID SODIUM SALT	NONE	0.1
SW-237	BERYLLIUM	NONE	0.3
SW-237	BIN	D001	2.7
SW-237	BISMUTH CHLORIDE	D002 D003	1.5
SW-237	BISMUTH METAL	NONE	0.7
SW-237	BISMUTH METAL	NONE	8.0
SW-237	BISMUTH ROD	NONE	0.5
[illegible]37	BORON NITRATE ROD	D001	3.1

SW-237	BUTYL (DI-SEC) PHENYL PROPANE	NONE	0.1
SW-237	BUTYLPHOSPHATE (TRI-N)	D001	1.6
SW-237	CALCIUM	D003	1.5
[illegible]7	CALCIUM CHLORIDE	NONE	2.6
S[illegible]7	CALCIUM METAL	D003	1.0
SW-237	CALCIUM STEARATE	NONE	6.7
SW-237	CANTHANUM CHLORIDE	NONE	0.4
SW-237	CANTHANUM OXIDE	NONE	0.4
SW-237	CARBON DECOLORIZING	D003	2.7
SW-237	CARBON GRAPHITE POWDER	NONE	0.4
SW-237	CATION EXCHANGE RESIN (H2)	NONE	26.2
SW-237	CATION EXCHANGE SOLUTION	NONE	0.5
SW-237	CEILCOTE	D001	20.0
SW-237	CERIC AMMONIUM NITRATE	D001	0.5
SW-237	CERIC SULFATE SOLUTION 10	NONE	3.1
SW-237	CHARCOAL	D003	1.2
SW-237	CHEM GLAZE	D001	6.0
SW-237	CHROMIUM METAL	D007	0.5
SW-237	CHROMIUM TRIOXIDE	D001 D007	1.6
SW-237	CITRIC ACID	NONE	1.5
SW-237	COBALT CHLORIDE	NONE	1.1
SW-237	COLLODION	D001	3.4
SW-237	COVE BASE ADHESIVE	D001	12.0
SW-237	CUPRIC CHLORIDE	NONE	0.6
SW-237	CUPRIC OXIDE	NONE	0.3
SW-237	CUPRIC OXIDE	NONE	1.1
SW-237	CYCLOHEXANE	D001	2.5
[illegible]237	CYCLOHEXANE	D001	5.4
[illegible]7	DECONODIOL (1,10)	NONE	0.6
S[illegible]237	DIBUTYL PHENYLPHOSPHONATE	D001	1.8
SW-237	DIBUTYLBUTYLPHOSPHONATE	D001	2.4
SW-237	DICHLOROBENZENE	D001	1.8
SW-237	DICHLOROMETHANE	D001 F003	11.7
SW-237	DICHLOROPROPANE (1,2)	D001	2.9
SW-237	DICHLOROPROPANE (1,3)	D001	0.6
SW-237	DIETHYLENE GLYCOL ETHYL-HEXYLMETHYL ETHER	D001	0.7
SW-237	DIETHYLENETRIAMINE, PENTACETIC ACID, PETASODIUM SALT	D001	2.2
SW-237	DIISOBUTYL-BUTYLPHOSPHONATE	D001	0.6
SW-237	DIMETHYL (3,6) -4-HEPTANOL	NONE	2.2
SW-237	DIMETHYL OXALATE	NONE	0.6
SW-237	DIMETHYLGLYOXIMINE	NONE	0.1
SW-237	DIPROPYLPROPYLPHOSPHONATE	D001	0.5
SW-237	DISODIUM ETHYLENE DINITROHETRAACETONE	NONE	1.5
SW-237	DOWEX	NONE	6.7
SW-237	DROUS	NONE	0.5
SW-237	ELECTRODE REFERENCE FILL SOLUTION	NONE	1.4
SW-237	ETHYL (DI-2) PHOSPHITE	NONE	0.3
SW-237	ETHYLHEXYL (BIS-2) HYDROGEN PHOSPHATE	D001	7.0
[illegible]7	FERROUS AMMONIUM SULFATE	NONE	0.9
SW-237	FLUOROBORIC ACID	D002	0.7
[illegible]37	GRAPHITE	D003	0.3

SW-237	HK ELASTIC	D001	75.0
SW-237	HYDRAZINE DIHYDROCHLORIDE	NONE	0.7
SW-237	HYDRAZINE DIHYDROCHLORIDE	NONE	0.7
SW-237	HYDRAZINE DIHYDROCHLORIDE	NONE	1.4
SW-237	HYDRAZINE HYDRACHLORIDE	NONE	0.6
SW-237	HYDROCHLORIC ACID	D002	3.5
SW-237	HYDROFLUORIC ACID	D002	0.4
SW-237	HYDROFLUORIC ACID	D002	0.7
SW-237	HYDROGEN PEROXIDE	D001 D003	1.1
SW-237	HYDROSHEILD 451	NONE	51.0
SW-237	HYDROXYLAMINE HYDROCHLORIDE	NONE	1.3
SW-237	IODINE	NONE	0.3
SW-237	IODINE CRYSTALS	NONE	0.1
SW-237	ION EXCHANGE RESIN	NONE	14.2
SW-237	IRIDIUM CARBONYL	NONE	0.1
SW-237	IRON METAL	NONE	0.7
SW-237	IRON POWDER	D003	5.3
SW-237	KOPPER ROOF COATING	NONE	15.0
SW-237	LACTIC ACID	D002	3.6
SW-237	LEAD CHLORIDE	D008	1.5
SW-237	LEAD FLUORIDE	D008	1.4
SW-237	LEAD METAL	D008	1.3
SW-237	LEAD, COPPER SHOT	D008	1.0
SW-237	LITHIUM BOROHYDRIDE	NONE	1.4
SW-237	LITHIUM HYDRIDE	D003	0.9
SW-237	MAGNESIUM METAL	D003	0.2
SW-237	MAGNESIUM SPHERES	D003	1.0
SW-237	MAGNESIUM TURNINGS	D003	2.2
SW-237	MERCURIC CHLORIDE	D009	1.0
SW-237	MERCUROUS CHLORIDE	D009	0.8
SW-237	MERCURY	D009	1.9
SW-237	MERCURY	D009	1.3
SW-237	MERCURY	D009	1.1
SW-237	MERCURY	D009	6.6
SW-237	MERCURY	D009	0.1
SW-237	MERCURY	D009	1.0
SW-237	MERCURY BATTERIES	D009	1.1
SW-237	MESITYL OXIDE	D001	1.1
SW-237	METHYL CELLULOSE	D001	1.5
SW-237	METHYL ISOBUTYL KETONE	D001 F003	5.3
SW-237	METHYL ORANGE	NONE	0.3
SW-237	METHYL OXALATE	NONE	1.5
SW-237	METHYL RED	NONE	0.4
SW-237	METHYLBENZAMIDE	NONE	0.1
SW-237	MIRACLE ADHESIVE	D001	2.1
SW-237	MOLYBDENUM TRIOXIDE	NONE	1.5
SW-237	NICKEL CHLORIDE	NONE	3.2
SW-237	NICKEL WASTE	NONE	7.9
SW-237	NITRIC ACID	D001 D002	7.5
SW-237	NITRIC ACID	D001 D002	7.0
SW-237	NOXON	NONE	2.0
SW-237	OCTADIENYL (2,7) AMINE	NONE	0.4
SW-237	ORGANIC DYE	NONE	50.0
SW-237	OXALIC ACID	NONE	1.1
SW-237	OXALIC ACID	NONE	22.5

SW-237	OXALIC ACID	NONE	4.2
SW-237	OXALIC ACID	NONE	0.5
SW-237	OXALIC ACID	NONE	3.1
[illegible]7	OXALIC ACID	NONE	1.2
[illegible]37	OXALIC ACID	NONE	2.0
SW-237	OXALIC ACID DIHYDRATE	NONE	1.6
SW-237	PENTANE	D001	6.9
SW-237	PERCHLORIC ACID	D001 D002	1.5
SW-237	PHENANTHROLINE (1,10) FERROUS SULFATE	NONE	1.5
SW-237	PHENANTHROLINE (1,10) FERROUS SULFATE	D001	0.5
SW-237	PHENANTHROLINE FERROUS SULFATE COMPLEX	D001	0.1
SW-237	PHENETHYL ALCOHOL	D001	0.5
SW-237	PHENETOL	D001	3.4
SW-237	PHENOLPHTHALEIN	NONE	0.7
SW-237	PHENOLPHTHALEIN	NONE	0.3
SW-237	PHENYL (1) -2-PROPANOL	D001	0.3
SW-237	PHENYL (2) -1-PROPANOL	D001	0.3
SW-237	PHOSPHORIC ACID	D002	2.4
SW-237	POTASSIUM CHLORIDE	NONE	1.6
SW-237	POTASSIUM CHLORIDE	NONE	1.9
SW-237	POTASSIUM CHLORIDE	NONE	1.7
SW-237	POTASSIUM CHLORIDE	NONE	0.5
SW-237	POTASSIUM CHROMATE	D007	1.5
SW-237	POTASSIUM DICHROMATE	D001 D007	6.8
[illegible]237	POTASSIUM DICHROMATE	D001 D007	5.0
[illegible]37	POTASSIUM DICHROMATE	D001 D007	0.9
[illegible]37	POTASSIUM DICHROMATE SOLUTION 20%	D001 D007	3.1
SW-237	POTASSIUM FERROCYANIDE	NONE	0.5
SW-237	POTASSIUM HYDROXIDE SOLUTION	D002	2.7
SW-237	POTASSIUM IODIDE	NONE	1.0
SW-237	POTASSIUM PERSULFATE	D001	0.4
SW-237	POTASSIUM PHTHALATE ACID	NONE	2.1
SW-237	PROPYLETHER (N)	D001	0.1
SW-237	PROPYLPHOSPHATE (TRI-N)	D001	1.2
SW-237	PVC SOLVENT	D003	0.9
SW-237	PYRIDYLAZO (1,2) -2-NAPHTHAL	D003	0.1
SW-237	PYROGALLONAPHTHALEIN	NONE	0.1
SW-237	RESIN SOLUTION	D001	44.0
SW-237	RHODIZONATE	NONE	0.1
SW-237	RHODIZONIC DIPOTASSIUM ACID	NONE	0.1
SW-237	ROOF COATING ASPHALT 454	D001	75.0
SW-237	ROOF REACTANT 410	D001	75.0
SW-237	RTN 630V	D001	1.1
SW-237	RTV 102	NONE	0.7
SW-237	RUBIDIUM METAL	D003	1.9
SW-237	RUST-I-CIDE	NONE	0.2
SW-237	SEAMFIL SF99	D001	0.1
SW-237	SILVER FILTER	D011	13.7
SW-237	SILVER NITRATE	D001 D011	0.5
[illegible]37	SILVER NITRATE	D001 D011	0.2
SW-237	SNAZOXS	D003	0.2
[illegible]37	SODIUM BROMIDE	NONE	1.1

SW-237	SODIUM CARBONATE	NONE	33.8
SW-237	SODIUM CHLORIDE	NONE	1.0
SW-237	SODIUM FLUORIDE	NONE	1.8
[illegible]37	SODIUM HYDROXIDE	D002	5.0
SW-237	SODIUM HYDROXIDE PELLETS	NONE	1.6
SW-237	SODIUM HYDROXIDE SOLUTION	D002	3.6
SW-237	SODIUM HYPOCHLORATE	D001	2.3
SW-237	SODIUM HYPOPHOSPHITE	D003	1.0
SW-237	SODIUM NITRATE	D001	1.6
SW-237	SODIUM NITRITE	D001	0.3
SW-237	SODIUM OXALATE	NONE	1.5
SW-237	SODIUM PHOSPHATE	NONE	1.1
SW-237	SODIUM SULFITE	NONE	1.0
SW-237	SODIUM TETRAPHENYL BORON	NONE	0.2
SW-237	SPRAY TAP HB-1	D001 F002	0.5
SW-237	SS SPRAY	NONE	0.4
SW-237	STATE DEFENDER 2	D002	10.5
SW-237	SUCCINIC ACID	NONE	1.4
SW-237	SULFAMIC ACID	NONE	0.1
SW-237	SULFUR	D003	1.0
SW-237	SULFURIC ACID	D002	5.1
SW-237	SULFURIC ACID	D002	4.9
SW-237	TAP MAGIC	D001	3.4
SW-237	TAR ROOF CEMENT	D001	75.0
SW-237	TELLURIUM	NONE	0.1
SW-237	TETRADROTHIOPHENE 1,1-DIOXIDE	D001	2.2
SW-237	THALLIUM (I) CHLORIDE	NONE	0.4
SW-237	THALLIUM (I) ETHOXIDE	D001	0.2
[illegible] 237	THALLUS ETHOXIDE	D001	0.9
[illegible]37	THIOUREA	NONE	1.0
SW-237	THORO PATCH POWDER	NONE	12.0
SW-237	THOROBOND	NONE	6.0
SW-237	TIN	NONE	1.0
SW-237	TIN	NONE	1.0
SW-237	TITANIUM DIOXIDE	NONE	1.8
SW-237	TITANIUM SULFATE	NONE	0.7
[illegible]-237	TITANIUM TETRACHLORIDE	D002 D003	2.1
[illegible]-237	TITANOUS CHLORIDE	D002 D003	1.8
[illegible]37	TRICAPRYLYL TERTIARYAMINE	NONE	1.8
[illegible]-237	TRICYCLOPHOSPHINE OXIDE	NONE	2.0
SW-237	TRIETHYLENETETRAMINE	NONE	1.5
SW-237	TRIISOBUTYLPHOSPHATE	D001	2.3
SW-237	TRIISOOCTYLAMINE	NONE	0.9
SW-237	TRIISOPROPYLPHOSPHATE	D001	0.3
SW-237	TRIOCTYLAMINE	D001	1.2
SW-237	TRIOCTYLAMINE	D001	0.8
SW-237	TRIOCTYLPHOSPHINE OXIDE	NONE	15.0
SW-237	TRIPROPYLPHOSPHATE	D001	0.3
SW-237	ULTRATEC DEVELOPER	NONE	19.5
SW-237	ULTRATITE FIXER	D001	1.1
SW-237	UREA	NONE	1.5
SW-237	XYLENE	D001 F003	1.2
SW-237	XYLENOL ORANGE	NONE	0.1
SW-237	YELLOW 77	NONE	6.0
[illegible] 37	ZINC SHOT	NONE	0.6

Bldd Sec

Building Manager's Questionnaire

Building Name: SW Building Manager: J.L. Allison Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

28. Does the building have abandoned process equipment such as tanks, piping, containers, etc.? Yes No

29. Is waste material stored in or around the building for more than 90 days?
Yes No

30. Has the building been identified as a 90-day waste accumulation area?
Yes No

31. Has any area in the building been identified as a satellite accumulation area?
Yes No

32. Is mixed waste generated, stored, or disposed of from the building? Yes No
Where are logs found? Waste Management

Process	Waste	Stored	Disposed	Logs
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
R-103 Pump job Removal of Oil	cyclohexane	Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N

Source: _____

9.29-65

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Building Manager's Questionnaire

Building Name: SW Building Manager: J.L. Allison Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

33. Is TRU radioactive waste generated, stored, or disposed of from the building?

Yes No

Where are logs found? WASTE MANAGEMENT

Process	Waste	Stored	Disposed	Logs
		Y / N	Y / N	Y / N
NORMAL WORK LAB WASTE		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N

Source: _____

9.29-67

Building Manager's Questionnaire

Building Name: SW Building Manager: J.L. Allison Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

34. Is low-level radioactive waste generated, stored, or disposed of from the building? Yes No
Where are logs found? WASTE MANAGEMENT

Process	Waste	Stored	Disposed	Logs
		Y / N	Y / N	Y / N
NORMAL Bldg. functions.	Shoe covers Smocks Rubber gloves Paper	Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N

Source: _____

35. Identify all administrative orders, temporary or permanent injunctions, civil administrative penalties, or criminal activities issued against the building.

9.29-68

Building Manager's Questionnaire

Building Name: SW Building Manager: J.L. Allison Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

36. Is there a waste minimization program in the building? (Yes) No
Discuss your ideas about how to minimize waste.

MD 81501 HAve a compact for Low level radioactive trash in each Area, to compact shoe covers, gloves, smocks and empty contain with lids off because the is an excess of wasted space in LSA liners.

37. Has a pollution prevention program been developed for the building? (Yes) ~~No~~

ND-81501 and pollution prevention plain

9.29-69

form # 22

MOUND

INTEROFFICE CORRESPONDENCE

DATE: June 1, 1995

FROM: Matthew W. Uelen, Industrial Hygiene

SUBJECT: Approved Decon Chemicals

TO: Robert Bernheisel

Industrial Hygiene has reviewed all present Material Safety Data Sheets (MSDSs) associated with Mound decontamination chemicals and finds them acceptable for use as employee information. Please insure that all chemicals are used as intended by the manufacturer. Also, please ensure that the your employees have been trained (documented) on how to use these products and that they understand the information within the MSDSs. The following chemicals were reviewed:

BP95 Glybet Disinfectant/Deodorant 1/94
Winda Shine 9/24/93
DMQ Damp Mop Neutral Disinfectant Cleaner 12/16/92
Formula 473 11/93
Formula 484 7/90
Odor-Bane 12/16/94
Conquest 5/23/91
DC-13 7/13/93
Scouring Powder-Glass Cleaning 12/11/90
Duro (TM) Aluminum Jelly (R) Corrosion Remover
NJ1 Naval Jelly Rust Dissolver 1/3/95
Sassy Citrus #09305 10/10/94
Big D Organic Gel 6/28/94
Big D Organic Gel, (Sunburst) 6/28/94
ABC Non-Acid Disinfectant Bathroom Cleaner 2/10/94
MSA Fogpruf Lens Solution 9/91
Sure-Bet 1/91
Li'l Brother Sam 10/93
Scrub Ender 12/90
Rinse Free Strip 2/10/94
Burn Out Spray Floor Cleaner 2/29/88
Above Floor Finish 5/93
MSA P/N 5607 Ventilation Smoke Tubes & Assembly 7/92
RTV102 Silicone Rubber Mix 4/21/95

Florco 1/195
WD-40 (Aerosol) 10/93
WD-40 (Bulk Liquid) 8/92
Grease B Gone 2/93
Ultima Gold 10/94
One-Step 1/90
SBS-61 Lotion Soap 10/1/90
Kindest Kare 7/24/87
Lava Toilet Soap 8/93

9.29.70

P.O. Box 3000 Miamisburg, Ohio 45343-3000 (513) 865-4020

SW Bldg

CHEMICAL INVENTORY BUILDING REPORT
BY BARCODE

BARCODE	DESCRIPTION	MANU FACTURER	SOLID QUANTITY (POUNDS)	LIQUID QUANTITY (GALLONS)	GAS QUANTITY (CYLNDERS)	MISC. QUANTITY	UNK ROOM	DATE ENTERED	DATE VERIFIED	DATE DISPOSED
** BUILDING: SW										
	'PROPANE ,OXYGEN,WATER LINES'	RUN INTO FUME HOOD	0.000	0.000	1.000	0.000		08/01/94	/ /	/ /
	LOCKED DESK		0.000	0.000	0.000	0.000		08/01/94	/ /	/ /
	'PROPANE ,OXYGEN,WATER LINES'	RUN INTO FUME HOOD	0.000	0.000	1.000	0.000		08/01/94	/ /	/ /
	LOCKED DESK		0.000	0.000	0.000	0.000		08/01/94	/ /	/ /
WM006586	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
WM006587	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
WM006588	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
WM006589	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
WM006590	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
WM006591	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
WM006592	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
WM006593	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
WM006594	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
WM006595	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
WM006596	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
WM006597	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
WM006598	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
WM006599	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
WM006600	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
WM006601	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
WM006602	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
WM006603	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
[illegible]604	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
[illegible]605	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
WM006606	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
WM006607	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
WM006608	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
WM006609	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
WM006610	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
WM006611	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
WM006612	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
WM006613	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
WM006614	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
WM006615	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
WM006616	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
WM006617	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
WM006618	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
WM006619	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
WM006620	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
WM006621	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
WM006622	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
WM006623	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
WM006624	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
WM006625	ULTIMA GOLD	PACKARD	0.000	1.320	0.000	0.000		06/06/95	/ /	/ /
WM007193	ETHYLENE GLYCOL	FISHER	0.000	0.125	0.000	0.000		06/06/95	/ /	/ /
WM007192	ETHYLENE GLYCOL	FISHER	0.000	0.125	0.000	0.000		06/06/95	/ /	/ /
WM007191	ETHYLENE GLYCOL	FISHER	0.000	0.125	0.000	0.000		06/06/95	/ /	/ /
WM007190	ETHYLENE GLYCOL	FISHER	0.000	0.125	0.000	0.000		06/06/95	/ /	/ /
WM007189	ETHYLENE GLYCOL	FISHER	0.000	0.125	0.000	0.000		06/06/95	/ /	/ /
WM007188	ETHYLENE GLYCOL	FISHER	0.000	0.125	0.000	0.000		06/06/95	/ /	/ /
WM007187	ETHYLENE GLYCOL	FISHER	0.000	0.125	0.000	0.000		06/06/95	/ /	/ /
WM007186	ETHYLENE GLYCOL	FISHER	0.000	0.125	0.000	0.000		06/06/95	/ /	/ /
WM007185	ETHYLENE GLYCOL	FISHER	0.000	0.125	0.000	0.000		06/06/95	/ /	/ /
WM007184	ETHYLENE GLYCOL	FISHER	0.000	0.125	0.000	0.000		06/06/95	/ /	/ /
[illegible]7183	ETHYLENE GLYCOL	FISHER	0.000	0.125	0.000	0.000		06/08/95	/ /	/ /
[illegible]182	ETHYLENE GLYCOL	FISHER	0.000	0.125	0.000	0.000		06/08/95	/ /	/ /
[illegible]7181	ETHYLENE GLYCOL	FISHER	0.000	0.125	0.000	0.000		06/08/95	/ /	/ /
WM007180	ETHYLENE GLYCOL	FISHER	0.000	0.125	0.000	0.000		06/08/95	/ /	/ /
WM007179	ETHYLENE GLYCOL	FISHER	0.000	0.125	0.000	0.000		06/08/95	/ /	/ /

CHEMICAL INVENTORY BUILDING REPORT
BY BARCODE

BARCODE	DESCRIPTION	MANU FACTURER	SOLID QUANTITY (POUNDS)	LIQUID QUANTITY (GALLONS)	GAS QUANTITY (CYLNDERS)	MISC. QUANTITY	UNK	ROOM	DATE ENTERED	DATE VERIFIED	DATE DISPOSED
WM007178	ETHYLENE GLYCOL	FISHER	0.000	0.125	0.000	0.000			06/08/95	/ /	/ /
WM007177	ETHYLENE GLYCOL	FISHER	0.000	0.125	0.000	0.000			06/08/95	/ /	/ /
WM007176	ETHYLENE GLYCOL	FISHER	0.000	0.125	0.000	0.000			06/08/95	/ /	/ /
WM007175	ETHYLENE GLYCOL	FISHER	0.000	0.125	0.000	0.000			06/08/95	/ /	/ /
WM007174	ETHYLENE GLYCOL	FISHER	0.000	0.125	0.000	0.000			06/08/95	/ /	/ /
WM007173	ETHYLENE GLYCOL	FISHER	0.000	0.125	0.000	0.000			06/08/95	/ /	/ /
WM007172	ETHYLENE GLYCOL	FISHER	0.000	0.125	0.000	0.000			06/08/95	/ /	/ /
WM007171	ETHYLENE GLYCOL	FISHER	0.000	0.125	0.000	0.000			06/08/95	/ /	/ /
WM007170	ETHYLENE GLYCOL	FISHER	0.000	0.125	0.000	0.000			06/08/95	/ /	/ /
WM007169	ETHYLENE GLYCOL	FISHER	0.000	0.125	0.000	0.000			06/08/95	/ /	/ /
WM007168	ETHYLENE GLYCOL	FISHER	0.000	0.125	0.000	0.000			06/08/95	/ /	/ /
CI950174	ETHYLENE GLYCOL	FISHER	0.000	0.132	0.000	0.000			09/11/95	/ /	/ /
CI12642	STAY-SILV FLUX	HARRIS	1.000	0.000	0.000	0.000		10	08/01/94	/ /	/ /
CI12640	OXYGEN	AIR PRODUCTS	0.000	0.000	1.000	0.000		10	08/01/94	/ /	12/13/94
CI12636	MAGNA FLUX DEVELOPER	MAGNA FLUX	0.000	0.109	0.000	0.000		10	08/01/94	/ /	/ /
CI12637	MAGNA FLUX DEVELOPER	MAGNA FLUX	0.000	0.109	0.000	0.000		10	08/01/94	/ /	/ /
CI12639	CAULKING	UNK	0.000	0.000	0.000	0.000	X	10	08/01/94	/ /	/ /
CI12640	OXYGEN	AIR PRODUCTS	0.000	0.000	1.000	0.000		10	08/01/94	/ /	12/13/94
CI12641	ACETYLENE	AIR PRODUCTS	0.000	0.000	1.000	0.000		10	08/01/94	/ /	/ /
CI12642	NITROGEN	AIR PRODUCTS	0.000	0.000	1.000	0.000		10	08/01/94	/ /	/ /
CI12642	STAY-SILV FLUX	HARRIS	1.000	0.000	0.000	0.000		10	08/01/94	/ /	/ /
CI12643	PROPANE FUEL	DO-IT CO.	0.000	0.000	1.000	0.000		10	08/01/94	/ /	/ /
CI12644	NICKEL GASKETS	CASON	0.000	0.000	0.000	0.000	X	10	08/01/94	/ /	/ /
CI12645	WINDOW SHINE	VALLEY SUPPLY CO.	0.000	1.000	0.000	0.000		10	08/01/94	/ /	/ /
CI12646	LIL BROTHER SAM	STATE	0.000	0.250	0.000	0.000		10	08/01/94	/ /	/ /
CI12647	AJAX	COLGATE PALMOLIVE	0.875	0.000	0.000	0.000		10	08/01/94	/ /	/ /
CI12648	ODOR-BANE	CERTIFIED INTERNAT.	0.000	1.000	0.000	0.000		10	08/01/94	/ /	/ /
CI12649	WIRE PULLING LUB.	GARDNER BENDER INC.	0.000	0.264	0.000	0.000		10	08/01/94	/ /	/ /
CI12640	OXYGEN	AIR PRODUCTS	0.000	0.000	1.000	0.000		10	08/01/94	/ /	12/13/94
	NO CHEMICALS		0.000	0.000	0.000	0.000		105	08/01/94	/ /	/ /
	NO CHEMICALS		0.000	0.000	0.000	0.000		105	08/01/94	/ /	/ /
CI12842	AJAX		0.875	0.000	0.000	0.000		106	08/01/94	/ /	/ /
	NO CHEMICALS		0.000	0.000	0.000	0.000		107	08/01/94	/ /	/ /
	NO CHEMICALS		0.000	0.000	0.000	0.000		107	08/01/94	/ /	/ /
	NO CHEMICALS		0.000	0.000	0.000	0.000		108	08/01/94	/ /	/ /
	NO CHEMICALS		0.000	0.000	0.000	0.000		108	08/01/94	/ /	/ /
	NO CHEMICALS		0.000	0.000	0.000	0.000		109	08/01/94	/ /	/ /
	NO CHEMICALS		0.000	0.000	0.000	0.000		109	08/01/94	/ /	/ /
CI12288	GLOVE BOX VAC. PUMP OIL		0.000	0.000	0.000	0.000	X	11	08/01/94	/ /	/ /
CI12295	GENERAL PURPOSE INK	HONEYWELL	0.000	0.008	0.000	0.000		11	08/01/94	/ /	/ /
CI12296	GENERAL PURPOSE INK	HONEYWELL	0.000	0.008	0.000	0.000		11	08/01/94	/ /	/ /
CI12440	ACETONE	FISHER SCIENTIFIC	0.000	0.132	0.000	0.000		11	08/01/94	/ /	/ /
CI12441	ZUD	BOYLE-MIDWAY	1.000	0.000	0.000	0.000		11	08/01/94	/ /	/ /
CI12442	WINDOW CLEANER		0.000	0.000	0.000	0.000	X	11	08/01/94	/ /	/ /
CI12443	BON AMI	BON AMI CO.	0.875	0.000	0.000	0.000		11	08/01/94	/ /	/ /
CI12450	CLEARBATH	SPECTRUM	0.000	0.062	0.000	0.000		11	08/01/94	/ /	/ /

CHEMICAL INVENTORY BUILDING REPORT
BY BARCODE

BARCODE	DESCRIPTION	MANU FACTURER	SOLID QUANTITY (POUNDS)	LIQUID QUANTITY (GALLONS)	GAS QUANTITY (CYLNDERS)	MISC. QUANTITY	UNK	ROOM	DATE ENTERED	DATE VERIFIED	DATE DISPOSED
CI12451	ALUMINUM JELLY	WOODHILL CHEMICAL	1.000	0.000	0.000	0.000		11	08/01/94	/ /	/ /
	NO CHEMICALS		0.000	0.000	0.000	0.000		110	08/01/94	/ /	/ /
	NO CHEMICALS		0.000	0.000	0.000	0.000		110	08/01/94	/ /	/ /
CI12548	ABOVE FLOOR FINISH	BUTCHER CO.	0.000	1.000	0.000	0.000		112	08/01/94	/ /	/ /
CI12549	ODOR-BANE	CERTIFIED INTERNATIONAL	0.000	1.000	0.000	0.000		112	08/01/94	/ /	/ /
CI12550	ZIP	MASURY COLUMBIA	0.000	1.000	0.000	0.000		112	08/01/94	/ /	/ /
CI12551	DAMP MOP	SPARTAN CO.	0.000	1.000	0.000	0.000		112	08/01/94	/ /	/ /
CI12552	SURE BET	BETCO	0.000	1.000	0.000	0.000		112	08/01/94	/ /	/ /
CI12553	WD-40	WD-40	0.000	0.070	0.000	0.000		112	08/01/94	/ /	/ /
CI12554	TAP CUTTING FLUID	STECO CORP.	0.000	0.125	0.000	0.000		112	08/01/94	/ /	/ /
CI12555	DOC BUG SPRAY		0.000	0.000	0.000	0.000	X	112	08/01/94	/ /	/ /
	NO CHEMICALS		0.000	0.000	0.000	0.000		114	08/01/94	/ /	/ /
	NO CHEMICALS		0.000	0.000	0.000	0.000		114	08/01/94	/ /	/ /
CI12627	WINDOW SHINE	VALLEY JANITOR CO.	0.000	1.000	0.000	0.000		117	08/01/94	/ /	/ /
CI12628	ODOR BANE	CERTIFIED CO.	0.000	1.000	0.000	0.000		117	08/01/94	/ /	/ /
CI12629	DISINFECTANT	SPARTAN	0.000	1.000	0.000	0.000		117	08/01/94	/ /	/ /
CI12630	ZIP	MASURY COLUMBIA	0.000	1.000	0.000	0.000		117	08/01/94	/ /	/ /
CI12631	CAULKING	3M	0.000	0.000	0.000	0.000	X	117	08/01/94	/ /	/ /
	BRO. SAM BOWL CLEANER	STATE CHEMICAL CO.	0.000	0.250	0.000	0.000		118	08/01/94	/ /	/ /
	DISINFECTANT CLEANER	SPARTAN	0.000	0.250	0.000	0.000		118	08/01/94	/ /	/ /
	AJAX	COLGATE PALMOLIVE CO.	0.875	0.000	0.000	0.000		118	08/01/94	/ /	/ /
	BROTHER SAM BOWL CLEANER	STATE CHEMICAL MANUFACTURING CO	0.000	0.250	0.000	0.000		118	08/01/94	/ /	/ /
	NON-ACID DISINFECTANT CLEANER	SPARTAN	0.000	0.250	0.000	0.000		118	08/01/94	/ /	/ /
	AJAX	COLGATE PALMOLIVE CO.	0.875	0.000	0.000	0.000		118	08/01/94	/ /	/ /
	BRO. SAM BOWL CLEANER	STATE CHEMICAL CO.	0.000	0.250	0.000	0.000		118	08/01/94	/ /	/ /
	DISINFECTANT CLEANER	SPARTAN	0.000	0.250	0.000	0.000		118	08/01/94	/ /	/ /
	AJAX	COLGATE PALMOLIVE CO.	0.875	0.000	0.000	0.000		118	08/01/94	/ /	/ /
	BROTHER SAM BOWL CLEANER	STATE CHEMICAL MANUFACTURING CO	0.000	0.250	0.000	0.000		118	08/01/94	/ /	/ /
	NON-ACID DISINFECTANT CLEANER	SPARTAN	0.000	0.250	0.000	0.000		118	08/01/94	/ /	/ /
	AJAX	COLGATE PALMOLIVE CO.	0.875	0.000	0.000	0.000		118	08/01/94	/ /	/ /

CHEMICAL INVENTORY BUILDING REPORT
BY BARCODE

BARCODE	DESCRIPTION	MANU FACTURER	SOLID QUANTITY (POUNDS)	LIQUID QUANTITY (GALLONS)	GAS QUANTITY (CYLNDERS)	MISC. QUANTITY	U N K	ROOM	DATE ENTERED	DATE VERIFIED	DATE DISPOSED
CI12895	3-IN-1 OIL	BOYLE MIDWAY	0.000	0.023	0.000	0.000		122	08/01/94	/ /	/ /
CI12896	LOCKED CABINET		0.000	0.000	0.000	0.000		124	08/01/94	/ /	/ /
WM007768	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		124	06/21/95	/ /	07/25/95
	NO CHEMICALS		0.000	0.000	0.000	0.000		125	08/01/94	/ /	/ /
	NO CHEMICALS		0.000	0.000	0.000	0.000		125	08/01/94	/ /	/ /
CI12377	FREON	MILLER STEPHENSON CO.	0.000	0.000	1.000	0.000		127	08/01/94	/ /	/ /
CI12378	WD-40	WD-40 CO.	0.000	0.070	0.000	0.000		127	08/01/94	/ /	/ /
CI12379	WD-41	WD-40 CO.	0.000	0.070	0.000	0.000		127	08/01/94	/ /	/ /
CI12380	WD-42	WD-40 CO.	0.000	0.070	0.000	0.000		127	08/01/94	/ /	/ /
CI12381	WD-43	WD-40 CO.	0.000	0.070	0.000	0.000		127	08/01/94	/ /	/ /
CI12382	HARDMAN EPOXY WIPES	HARDMAN INCORP.	0.009	0.000	0.000	0.000		127	08/01/94	/ /	/ /
CI12399	FREON		0.000	0.000	1.000	0.000		127	08/01/94	/ /	/ /
CI12383	COMPRESSED BUTANE	MICROFLAME INC.	0.000	0.000	1.000	0.000		127	08/01/94	/ /	/ /
CI12384	HARDMAN EPOXY WIPES	HARDMAN INC.	0.009	0.000	0.000	0.000		127	08/01/94	/ /	/ /
CI12385	VIDEO CLEANING KIT	INNOVATIVE COMPUTER PRO.	0.000	0.031	0.000	0.000		127	08/01/94	/ /	/ /
CI12386	EPOXY GLUE & BONDING PROPERTIES	TRA-CON. INC.	0.000	0.000	0.000	0.000	X	127	08/01/94	/ /	/ /
CI12387	ANTI-SEIZE THREAD COMPOUND	LOCTITE	0.000	0.062	0.000	0.000		127	08/01/94	/ /	/ /
CI12388	DIFFUSION PUMP OIL	MS 5A	0.000	0.031	0.000	0.000		127	08/01/94	/ /	/ /
WM007767	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		127	06/21/95	/ /	07/25/95
WM007766	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		127	06/21/95	/ /	07/13/95
WM007765	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		127	06/21/95	/ /	07/13/95
WM007764	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		127	06/21/95	/ /	07/25/95
WM007763	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		127	06/21/95	/ /	07/25/95
WM007762	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		127	06/21/95	/ /	07/25/95
WM007761	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		127	06/21/95	/ /	07/25/95
WM007760	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		127	06/21/95	/ /	07/25/95
WM007759	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		127	06/21/95	/ /	/ /
WM007758	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		127	06/21/95	/ /	11/30/95
WM007757	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		127	06/21/95	/ /	11/30/95
WM007756	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		127	06/21/95	/ /	07/25/95
WM007755	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		127	06/21/95	/ /	07/13/95
WM007754	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		127	06/21/95	/ /	07/13/95
WM007753	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		127	06/21/95	/ /	07/13/95
WM007752	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		127	06/21/95	/ /	07/13/95
WM007751	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		127	06/21/95	/ /	07/13/95
WM007750	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		127	06/21/95	/ /	07/13/95
WM007749	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		127	06/21/95	/ /	07/13/95
WM007748	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		127	06/21/95	/ /	07/13/95
WM007747	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		127	06/21/95	/ /	07/13/95
WM007744	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		127	06/21/95	/ /	07/13/95
WM007743	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		127	06/21/95	/ /	07/13/95
WM007742	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		127	06/21/95	/ /	07/20/95
WM007741	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		127	06/21/95	/ /	07/20/95
WM007740	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		127	06/21/95	/ /	07/20/95
WM007739	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		127	06/21/95	/ /	07/20/95
WM007738	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		127	06/21/95	/ /	07/13/95
WM007737	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		127	06/21/95	/ /	07/13/95
WM007736	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		127	06/21/95	/ /	07/20/95
WM007735	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		127	06/21/95	/ /	07/20/95
WM007734	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		127	06/21/95	/ /	07/13/95
WM007733	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		127	06/21/95	/ /	07/13/95
WM007732	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		127	06/21/95	/ /	07/13/95
WM007731	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		127	06/21/95	/ /	07/13/95
WM007730	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		127	06/21/95	/ /	07/13/95

CHEMICAL INVENTORY BUILDING REPORT
BY BARCODE

BARCODE	DESCRIPTION	MANU FACTURER	SOLID QUANTITY (POUNDS)	LIQUID QUANTITY (GALLONS)	GAS QUANTITY (CYLNDERS)	MISC. QUANTITY	UNK	ROOM	DATE ENTERED	DATE VERIFIED	DATE DISPOSED
WM007729	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		127	06/21/95	/ /	07/13/95
WM007728	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		127	06/21/95	/ /	07/13/95
WM007727	LTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		127	06/21/95	/ /	07/13/95
CI03063	AIR SPRAY CAN	QUELCOR INC.	0.000	0.264	0.000	0.000		128A	08/01/94	/ /	/ /
CI03065	AIR SPRAY CAN	QUELCOR INC.	0.000	0.264	0.000	0.000		128A	08/01/94	/ /	/ /
CI03067	AMMONIUM HYDROXIDE	UNK	0.000	0.528	0.000	0.000	L	128A	08/01/94	/ /	/ /
CI03069	SODIUM HYPOCHLORIDE	CHEMICALS INC.	0.000	1.000	0.000	0.000		128A	08/01/94	/ /	/ /
	EMPTY DRUMS		0.000	0.000	0.000	0.000		129	08/01/94	/ /	/ /
	EMPTY DRUMS		0.000	0.000	0.000	0.000		129	08/01/94	/ /	/ /
	COOLANOL	MONSANTO	0.000	1.000	0.000	0.000		13	08/01/94	/ /	/ /
	SODA LIME & ZEOLITE		0.000	0.000	0.000	0.000	X	13	08/01/94	/ /	/ /
	ACETONE	CHEMICAL	0.000	0.000	0.000	0.000	X	13	08/01/94	/ /	/ /
	NICKEL GASKETS	CASON	0.000	0.000	0.000	0.000	X	13	08/01/94	/ /	/ /
	ADIZIZON GREASE	ADIZEION	0.000	0.000	0.000	0.000	X	13	08/01/94	/ /	/ /
	ACETONE	FISHER SCIENTIFIC	0.000	0.000	0.000	0.000	X	13	08/01/94	/ /	/ /
	ARGON (LINE)		0.000	0.000	1.000	0.000		13	08/01/94	/ /	/ /
	WD-40	WD-40 CO.	0.000	0.070	0.000	0.000		13	08/01/94	/ /	/ /
	COOLANOL	MONSANTO	0.000	1.000	0.000	0.000		13	08/01/94	/ /	/ /
	SODA LIME & ZEOLITE		0.000	0.000	0.000	0.000	X	13	08/01/94	/ /	/ /
	ACETONE	CHEMICAL	0.000	0.000	0.000	0.000	X	13	08/01/94	/ /	/ /
	NICKEL GASKETS	CASON	0.000	0.000	0.000	0.000	X	13	08/01/94	/ /	/ /
	ADIZIZON GREASE	ADIZEION	0.000	0.000	0.000	0.000	X	13	08/01/94	/ /	/ /
	ACETONE	FISHER SCIENTIFIC	0.000	0.000	0.000	0.000	X	13	08/01/94	/ /	/ /
	ARGON (LINE)		0.000	0.000	1.000	0.000		13	08/01/94	/ /	/ /
	WD-40	WD-40 CO.	0.000	0.070	0.000	0.000		13	08/01/94	/ /	/ /
CI12939	ALCOHOL DEHYDRATED	MIDWEST GRAIN PROD.	0.000	1.000	0.000	0.000		13	08/01/94	/ /	/ /
CI12940	ALCOHOL DEHYDRATED	MIDWEST GRAIN PROD.	0.000	1.000	0.000	0.000		13	08/01/94	/ /	/ /
CI12941	ALCOHOL DEHYDRATED	MIDWEST GRAIN PROD.	0.000	1.000	0.000	0.000		13	08/01/94	/ /	/ /
CI12942	ALCOHOL DEHYDRATED	MIDWEST GRAIN PROD.	0.000	1.000	0.000	0.000		13	08/01/94	/ /	/ /
CI12943	ACETONE	FISHER SCIENTIFIC	0.000	0.132	0.000	0.000		13	08/01/94	/ /	/ /
CI12944	SILVER PAINT	SPI	0.000	0.008	0.000	0.000		13	08/01/94	/ /	/ /
CI12945	COMPRESSED BUTANE	MICROFLAME	0.000	0.000	1.000	0.000		13	08/01/94	/ /	/ /
CI12946	MINERAL SPIRITS	UNK	0.000	0.000	0.000	0.000	X	13	08/01/94	/ /	/ /
CI12947	ETHYLENE GLYCOL	FISHER SCIENTIFIC	0.000	0.132	0.000	0.000		13	08/01/94	/ /	/ /
CI12948	ARALDITE	CIBA-GEIGE	0.000	0.000	0.000	0.000	X	13	08/01/94	/ /	/ /
CI12949	JEFFAMINE	TEXACO	0.000	0.000	0.000	0.000	X	13	08/01/94	/ /	/ /
CI12950	CUTTING FLUID	STRVERS	0.000	0.264	0.000	0.000		13	08/01/94	/ /	/ /
CI12951	CUTTING FLUID	STRVERS	0.000	0.264	0.000	0.000		13	08/01/94	/ /	/ /
CI12952	LOCK LUB.	PANEF	0.000	0.031	0.000	0.000		13	08/01/94	/ /	/ /
CI12953	LEAK DETECTOR	DYLON	0.000	0.031	0.000	0.000		13	08/01/94	/ /	/ /
CI12954	GAGE BLOCK PERSERVATIVE	DO-ALL	0.000	0.047	0.000	0.000		13	08/01/94	/ /	/ /
CI12955	3-IN-1 OIL	BOYLE-MIDWAY	0.000	0.023	0.000	0.000		13	08/01/94	/ /	/ /
CI12956	GAS TORCH	MICROFLAME	0.000	0.000	1.000	0.000		13	08/01/94	/ /	/ /
CI12957	METHYL ALCOHOL	MALLINCKRODT	0.000	1.056	0.000	0.000		13	08/01/94	/ /	/ /

CHEMICAL INVENTORY BUILDING REPORT
BY BARCODE

BARCODE	DESCRIPTION	MANU FACTURER	SOLID QUANTITY (POUNDS)	LIQUID QUANTITY (GALLONS)	GAS QUANTITY (CYLNDERS)	MISC. QUANTITY	UNK	ROOM	DATE ENTERED	DATE VERIFIED	DATE DISPOSED
CI12958	BUTYL CELLUSOLVE	UNK	0.000	0.000	0.000	0.000	X	13	08/01/94	/ /	/ /
CI12959	ETHANOL	MOUND	0.000	0.000	0.000	0.000	X	13	08/01/94	/ /	/ /
CI12960	PROTECTIVE COATING	DOW CORNING	0.000	1.000	0.000	0.000		13	08/01/94	/ /	/ /
CI12961	SCINTILLATION COCKTAIL	UNK	0.000	0.000	0.000	0.000	X	13	08/01/94	/ /	/ /
CI12962	OCTANE PRACTICAL	EASTMAN KODAK	0.000	0.132	0.000	0.000		13	08/01/94	/ /	/ /
CI12963	OCTANE	FISHER SCIENTIFIC	0.000	0.264	0.000	0.000		13	08/01/94	/ /	/ /
CI12964	TOLVENE	FISHER SCIENTIFIC	0.000	0.132	0.000	0.000		13	08/01/94	/ /	/ /
CI12965	XYLENES	FISHER SCIENTIFIC	0.000	0.132	0.000	0.000		13	08/01/94	/ /	/ /
CI12966	KEROSENE	FISHER SCIENTIFIC	0.000	1.056	0.000	0.000		13	08/01/94	/ /	/ /
CI12967	KEROSENE	FISHER SCIENTIFIC	0.000	1.056	0.000	0.000		13	08/01/94	/ /	/ /
CI12968	KEROSENE	FISHER SCIENTIFIC	0.000	1.056	0.000	0.000		13	08/01/94	/ /	/ /
CI12969	HYSOL-METHYLENE CHLORIDE	DEXTER ELECTRONIC S	0.000	0.370	0.000	0.000		13	08/01/94	/ /	/ /
CI12970	ETHYL ALCOHOL WASTE CAN	UNK	0.000	0.000	0.000	0.000	X	13	08/01/94	/ /	/ /
CI12971	PAINT	UNK	0.000	1.000	0.000	0.000		13	08/01/94	/ /	/ /
CI12972	PAINT	UNK	0.000	1.000	0.000	0.000		13	08/01/94	/ /	/ /
CI12973.	PAINT	UNK	0.000	1.000	0.000	0.000		13	08/01/94	/ /	/ /
CI12974	HYSOL	DEXTER	0.000	0.000	0.000	0.000	X	13	08/01/94	/ /	/ /
CI12975	HYSOL HARDENER	DEXTER	0.000	0.000	0.000	0.000	X	13	08/01/94	/ /	/ /
CI12976	METHYL ACETATE	MOUND	0.000	0.000	0.000	0.000	X	13	08/01/94	/ /	/ /
CI12977	SILICONE MOLD RELEASE	METALLURGI CAL SUPPLY	0.000	0.150	0.000	0.000		13	08/01/94	/ /	/ /
CI12978	SODIUM CARBONATE	MALLINCKRO DT	1.101	0.000	0.000	0.000		13	08/01/94	/ /	/ /
CI12979	HIGH VACUUM GREASE	DOW CORNING	0.125	0.000	0.000	0.000		13	08/01/94	/ /	/ /
CI12980	RTV SILICONE ADH.	GE	0.000	0.001	0.000	0.000		13	08/01/94	/ /	/ /
CI12981	MINUTE EPOXY	DEVCON	0.000	0.000	0.000	0.000		13	08/01/94	/ /	/ /
CI12982	MINUTE EPOXY HARDENER	DEVCON	0.000	0.000	0.000	0.000		13	08/01/94	/ /	/ /
CI12983	METADI 2 DIAMOND COMP.	BUEHLER	0.000	0.000	0.000	0.000		13	08/01/94	/ /	/ /
CI12984	PURE DIAMOND COMPOUND	AMPLEX CORP.	0.040	0.000	0.000	0.000		13	08/01/94	/ /	/ /
CI12986	MICRO CLEAN	COLE-PARME R INSTR. CO.	0.000	0.264	0.000	0.000		13	08/01/94	/ /	/ /
CI12987	AJAX	COLGATE PALMOLIVE	1.000	0.000	0.000	0.000		13	08/01/94	/ /	/ /
CI12988	NITRIC ACID	MALLINCKRO DT	0.000	0.924	0.000	0.000		13	08/01/94	/ /	/ /
CI12989	NITRIC ACID	MALLINCKRO DT	0.000	0.924	0.000	0.000		13	08/01/94	/ /	/ /
CI12990	HYDROCHLORIC ACID	MALLINCKRO DT	0.000	0.792	0.000	0.000		13	08/01/94	/ /	/ /
CI12991	SULFURIC ACID	MALLINCKRO DT	0.000	1.188	0.000	0.000		13	08/01/94	/ /	/ /
CI12992	HYDROFLUROIC ACID	MALLINCKRO DT	0.000	0.132	0.000	0.000		13	08/01/94	/ /	/ /
CI12993	NAVAL JELLY	DURO	0.000	0.250	0.000	0.000		13	08/01/94	/ /	/ /
CI12994	OXALIC ACID	MCB REAGENTS	1.000	0.000	0.000	0.000		13	08/01/94	/ /	/ /
CI12995	ACETIC ACID	MALLICKROD T	0.000	0.660	0.000	0.000		13	08/01/94	/ /	/ /

CHEMICAL INVENTORY BUILDING REPORT
BY BARCODE

BARCODE	DESCRIPTION	MANU FACTURER	SOLID QUANTITY (POUNDS)	LIQUID QUANTITY (GALLONS)	GAS QUANTITY (CYLNDERS)	MISC. QUANTITY	UNK	ROOM	DATE ENTERED	DATE VERIFIED	DATE DISPOSED
CI12996	GLYCEROL	MOUND	0.000	0.000	0.000	0.000	X	13	08/01/94	/ /	/ /
CI12997	AUTOMET LAPPING OIL	BUEHLER LTD.	0.000	1.000	0.000	0.000		13	08/01/94	/ /	/ /
CI12998	METADI FLUID	BUEHLER LTD.	0.000	0.125	0.000	0.000		13	08/01/94	/ /	/ /
CI12999	ALPHA ALUMINA POWDER	LECO CORP.	5.000	0.000	0.000	0.000		13	08/01/94	/ /	/ /
CI13000	GAMMA MICRO POLISH	BUEHLER	1.000	0.000	0.000	0.000		13	08/01/94	/ /	/ /
CI13006	ALUMINUM OXIDE	BUEHLER	0.000	0.000	0.000	0.000	X	13	08/01/94	/ /	/ /
CI13007	MOLDING COMPOUND	BUEHLER	4.000	0.000	0.000	0.000		13	08/01/94	/ /	/ /
CI13008	POTASSIUM CYANIDE	FISHER SCIENTIFIC	1.000	0.000	0.000	0.000		13	08/01/94	/ /	/ /
CI13009	POTASSIUM HYDROXIDE	FISHER SCIENTIFIC	1.000	0.000	0.000	0.000		13	08/01/94	/ /	/ /
CI13010	OXALIC ACID	GENERAL CHEMICAL	0.000	0.000	0.000	0.000	X	13	08/01/94	/ /	/ /
CI13011	OXALIC ACID	GENERAL CHEMICAL	0.000	0.000	0.000	0.000	X	13	08/01/94	/ /	/ /
CI13012	SODIUM HYDROXIDE	FISHER SCIENTIFIC	1.000	0.000	0.000	0.000		13	08/01/94	/ /	/ /
CI13013	SODIUM HYDROXIDE	FISHER SCIENTIFIC	1.000	0.000	0.000	0.000		13	08/01/94	/ /	/ /
CI13014	CHROMIUM TRIOXIDE	ALLIED CHEMICAL	0.000	0.000	0.000	0.000	X	13	08/01/94	/ /	/ /
CI13015	CHROMIUM TRIOXIDE	ALLIED CHEMICAL	0.000	0.000	0.000	0.000	X	13	08/01/94	/ /	/ /
CI13016	HYDROGEN DEROXIDE	MALLINCKRODT	0.000	0.132	0.000	0.000		13	08/01/94	/ /	/ /
CI13017	SODIUM HYDROXIDE	ALLIED CHEMICAL	1.000	0.000	0.000	0.000		13	08/01/94	/ /	/ /
CI13018	EPOXY HARDENER	UNK	0.000	0.008	0.000	0.000		13	08/01/94	/ /	/ /
CI13019	GRAPHITE	UNK	0.000	0.000	0.000	0.000	X	13	08/01/94	/ /	/ /
CI13020	FERRIC CHLORIDE	MALLINCKRODT	1.000	0.000	0.000	0.000		13	08/01/94	/ /	/ /
CI13021	EASY MOUNT HARDENER	MARK V. LAB.	0.000	0.264	0.000	0.000		13	08/01/94	/ /	/ /
CI13022	EASY MOUNT HARDENER	MARK V. LAB.	0.000	0.062	0.000	0.000		13	08/01/94	/ /	/ /
CI13023	GLYCERIN	FISHER SCIENTIFIC	0.000	0.264	0.000	0.000		13	08/01/94	/ /	/ /
CI13024	GLYCERIN ANHYDROUS	J.T. BAKER	0.000	0.132	0.000	0.000		13	08/01/94	/ /	/ /
CI13025	GLYCEROL	MALLINCKRODT	0.000	0.132	0.000	0.000		13	08/01/94	/ /	/ /
CI13026	GLYCEROL	MALLINCKRODT	0.000	0.132	0.000	0.000		13	08/01/94	/ /	/ /
CI13027	GLYCEROL	MALLINCKRODT	0.000	0.132	0.000	0.000		13	08/01/94	/ /	/ /
CI13028	GLYCEROL	MALLINCKRODT	0.000	0.132	0.000	0.000		13	08/01/94	/ /	/ /
CI13029	SODIUM SULFITE	ALLIED CHEMICALS	1.000	0.000	0.000	0.000		13	08/01/94	/ /	/ /
CI13030	AMONIUM PERSULFATE	MALLINCKRODT	1.101	0.000	0.000	0.000		13	08/01/94	/ /	/ /
CI13031	SODIUM CARBONATE	MALLINCKRODT	1.101	0.000	0.000	0.000		13	08/01/94	/ /	/ /
CI13032	COPPER METAL	FISHER SCIENTIFIC	1.000	0.000	0.000	0.000		13	08/01/94	/ /	/ /
CI13033	CUPRIC CHLORIDE	FISHER SCIENTIFIC	1.101	0.000	0.000	0.000		13	08/01/94	/ /	/ /
CI13034	AMONIUM CHLORIDE	FISHER SCIENTIFIC	1.101	0.000	0.000	0.000		13	08/01/94	/ /	/ /
CI13035	AMONIUM CHLORIDE	FISHER SCIENTIFIC	1.101	0.000	0.000	0.000		13	08/01/94	/ /	/ /
CI13036	POTASSIUM HYDROXIDE	FISHER SCIENTIFIC	1.000	0.000	0.000	0.000		13	08/01/94	/ /	/ /

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BARCODE	DESCRIPTION	MANU FACTURER	SOLID QUANTITY (POUNDS)	LIQUID QUANTITY (GALLONS)	GAS QUANTITY (CYLNDERS)	MISC. QUANTITY	U N K	ROOM	DATE ENTERED	DATE VERIFIED	DATE DISPOSED
CI13037	SODIUM SULFATE	ALLIED CHEMICAL	1.000	0.000	0.000	0.000		13	08/01/94	/ /	/ /
CI13038	FERROUS SULFATE	J.T. BAKER	1.101	0.000	0.000	0.000		13	08/01/94	/ /	/ /
CI13039	LOCTITE PIPE SEALANT	LOCTITE	0.106	0.000	0.000	0.000		13	08/01/94	/ /	/ /
CI13040	TOOLING WAX	DO-ALL	1.000	0.000	0.000	0.000		13	08/01/94	/ /	/ /
CI13041	METADI FLUID	BUEHLER	0.000	0.125	0.000	0.000		13	08/01/94	/ /	/ /
CI13042	SODIUM CARB ANHYDROUS	MALLINCKRODT	1.101	0.000	0.000	0.000		13	08/01/94	/ /	/ /
CI13043	SODIUM CARB ANHYDROUS	MALLINCKRODT	1.101	0.000	0.000	0.000		13	08/01/94	/ /	/ /
CI13044	DYNA SOLVE 210	UNK	0.000	0.000	0.000	0.000	X	13	08/01/94	/ /	/ /
CI13045	ULTRAMET SONIC SOLUTION	BUEHLER	0.000	0.016	0.000	0.000		13	08/01/94	/ /	/ /
CI13046	OXYGEN	AIR PRODUCTS	0.000	0.000	1.000	0.000		13	08/01/94	/ /	/ /
CI13047	METHANE & ARGON	AIR PRODUCTS	0.000	0.000	1.000	0.000		13	08/01/94	/ /	/ /
CI13048	SILICONE MOLD RELEASE	CROWN INDUSTRIAL PROD	0.000	0.000	1.000	0.000		13	08/01/94	/ /	/ /
CI13049	EPOMET MOLDING COMP.	BUEHLER	4.000	0.000	0.000	0.000		13	08/01/94	/ /	/ /
CI13050	REFRIGERATOR (FREON)	UNK	0.000	0.000	1.000	0.000		13	08/01/94	/ /	/ /
CI13051	GAGE BLOCK	DO-ALL	0.000	0.047	0.000	0.000		13	08/01/94	/ /	/ /
CI13052	MAINTENANCE FLUID	PRADCO	0.000	0.125	0.000	0.000		13	08/01/94	/ /	/ /
CI13053	DRY GRAPHITE FILM LUB.	MIRACLE POWER LUB.	0.000	0.086	0.000	0.000		13	08/01/94	/ /	/ /
CI13054	LEAK DETECTOR	DYLON	0.000	0.031	0.000	0.000		13	08/01/94	/ /	/ /
CI13055	LUBRICANT OIL TYPE -1	HONEYWELL	0.000	0.016	0.000	0.000		13	08/01/94	/ /	/ /
CI13056	LUBRICANT OIL TYPE -1	HONEYWELL	0.000	0.016	0.000	0.000		13	08/01/94	/ /	/ /
CI13057	TORR SEAL	VARIANCE CO.	0.000	0.000	0.000	0.000	X	13	08/01/94	/ /	/ /
CI13058	TORR SEAL	VARIANCE CO.	0.000	0.000	0.000	0.000	X	13	08/01/94	/ /	/ /
CI13059	METAL MARKER	NIESSEN	0.000	0.000	0.000	0.000	X	13	08/01/94	/ /	/ /
CI13060	HELIUM	AIR PRODUCTS	0.000	0.000	1.000	0.000		13	08/01/94	/ /	/ /
CI13061	NITROGEN	AIR PRODUCTS	0.000	0.000	1.000	0.000		13	08/01/94	/ /	/ /
CI03082	HI TECH PROTECTIVE COATING	SEYMOUR OF SYCAMORE INC.	0.000	0.130	0.000	0.000		130	08/01/94	/ /	/ /
CI03049	FLOOR TILE ADHESIVE		0.000	0.000	0.000	0.000		130	08/01/94	/ /	/ /
CI03051	WD-40	WD-40	0.000	0.070	0.000	0.000		130	08/01/94	/ /	/ /
CI03053	SILCONE	DAP	0.000	0.080	0.000	0.000		130	08/01/94	/ /	/ /
CI03055	TAP CUTTING FLUID	STECO CORP.	0.000	0.125	0.000	0.000		130	08/01/94	/ /	/ /
CI03057	VINYL SPACKLING		0.000	0.000	0.000	0.000	X	130	08/01/94	/ /	/ /
CI03059	SILCONE	DAP	0.000	0.000	0.000	0.000		130	08/01/94	/ /	/ /
CI03061	SILCONE	DAP	0.000	0.000	0.000	0.000		130	08/01/94	/ /	/ /
CI03098	PC-3 BLACK EPOXY	SMOOTH ON INC.	2.500	0.000	0.000	0.000		130	08/01/94	/ /	/ /
CI03097	PC-3 BLACK EPOXY	SMOOTH ON INC.	2.500	0.000	0.000	0.000		130	08/01/94	/ /	/ /
CI03100	CURING AGENT	SMOOTH-ON INC.	2.500	0.000	0.000	0.000		130	08/01/94	/ /	/ /
CI03099	CURING AGENT	SMOOTH-ON INC.	2.500	0.000	0.000	0.000		130	08/01/94	/ /	/ /
CI03102	WELDWOOD CONTACT CEMENT	DAP INC.	0.000	0.250	0.000	0.000		130	08/01/94	/ /	/ /

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CI03101	WELDWOOD CONTACT CEMENT	DAP INC.	0.000	0.250	0.000	0.000		130	08/01/94	/ /	/ /
CI03104	WELDWOOD CONTACT CEMENT	DAP INC.	0.000	0.250	0.000	0.000		130	08/01/94	/ /	/ /
CI03103	WELDWOOD CONTACT CEMENT	DAP INC.	0.000	0.250	0.000	0.000		130	08/01/94	/ /	/ /
CI03106	WELDWOOD CONTACT CEMENT	DAP INC.	0.000	0.250	0.000	0.000		130	08/01/94	/ /	/ /
CI03108	LIQUID WRENCH	RADIATOR SPECIALTY CO.	0.000	0.031	0.000	0.000		130	08/01/94	/ /	/ /
CI03110	520 ADHESIVE	ARMSTRONG WORLD INC.	0.000	0.250	0.000	0.000		130	08/01/94	/ /	/ /
CI03112	'CLEANER-PLASTIC,PIPE,&FITTINGS'	OATEY CO.	0.000	0.250	0.000	0.000		130	08/01/94	/ /	/ /
CI03114	PVC PRIMER CLEAR	HERCULES CHEMICAL CO.	0.000	0.125	0.000	0.000		130	08/01/94	/ /	/ /
CI03116	PVC PRIMER CLEAR	HERCULES CHEMICAL CO.	0.000	0.125	0.000	0.000		130	08/01/94	/ /	/ /
CI03118	HEAVY DUTY CLEANER (PIPE-PVC)	OATEY CO.	0.000	0.125	0.000	0.000		130	08/01/94	/ /	/ /
CI03120	CLEAR PVC PIPE CLEANER	HERCULES CHEMICAL CO.	0.000	0.125	0.000	0.000		130	08/01/94	/ /	/ /
CI03122	PVC PURPLE PRIMER	NIBCO/CHEM TROL	0.000	0.250	0.000	0.000		130	08/01/94	/ /	/ /
[illegible]24	CPVC SOLVENT CEMENT	NIBCO/CHEM TROL	0.000	0.250	0.000	0.000		130	08/01/94	/ /	/ /
CI03126	EXPAND-A-FOAM	ESP CO.	0.000	0.094	0.000	0.000		130	08/01/94	/ /	/ /
CI03128	PROPANE FUEL	BERNZOMATIC	0.000	0.000	1.000	0.000		130	08/01/94	/ /	/ /
CI03130	PROPANE FUEL	TURNER	0.000	0.000	1.000	0.000		130	08/01/94	/ /	/ /
CI03132	PROPANE FUEL	DO-IT	0.000	0.000	1.000	0.000		130	08/01/94	/ /	/ /
CI03134	'TRICHLOROETHANE SOLVENT 1,1,1'	MILLER STEPHENSON	0.000	0.125	0.000	0.000		130	08/01/94	/ /	/ /
CI03136	CUTTING OIL	CHESTERTON	0.000	0.113	0.000	0.000		130	08/01/94	/ /	/ /
CI03138	WELDWOOD SPRAY GLUE	DAP INC.	0.000	0.082	0.000	0.000		130	08/01/94	/ /	/ /
CI03140	POLYURETHANE WOOD FINISH	ALL PRO CORP.	0.000	0.102	0.000	0.000		130	08/01/94	/ /	/ /
CI03142	TEXSOLVE	TEX WIPE CO.	0.000	0.031	0.000	0.000		130	08/01/94	/ /	/ /
CI03144	PLOBOND ADHESIVE	ASHLAND OIL INC.	0.000	0.008	0.000	0.000		130	08/01/94	/ /	/ /
CI03146	ACRYLIC SPRAY KRYLON	BORDEN INC.	0.000	0.102	0.000	0.000		130	08/01/94	/ /	/ /
CI03148	ACRYLIC SPRAY KRYLON	BORDEN INC.	0.000	0.102	0.000	0.000		130	08/01/94	/ /	/ /
CI03150	ACRYLIC SPRAY KRYLON	BORDEN INC.	0.000	0.102	0.000	0.000		130	08/01/94	/ /	/ /
CI03152	ACRYLIC SPRAY KRYLON	BORDEN INC.	0.000	0.102	0.000	0.000		130	08/01/94	/ /	/ /
CI03154	ACRYLIC SPRAY KRYLON	BORDEN INC.	0.000	0.102	0.000	0.000		130	08/01/94	/ /	/ /
CI03156	ACRYLIC SPRAY KRYLON	BORDEN INC.	0.000	0.102	0.000	0.000		130	08/01/94	/ /	/ /
CI03158	ACRYLIC SPRAY KRYLON	BORDEN INC.	0.000	0.102	0.000	0.000		130	08/01/94	/ /	/ /
[illegible]160	ACRYLIC SPRAY KRYLON	BORDEN INC.	0.000	0.102	0.000	0.000		130	08/01/94	/ /	/ /
CI03162	ACRYLIC SPRAY KRYLON	BORDEN INC.	0.000	0.102	0.000	0.000		130	08/01/94	/ /	/ /

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CI03174	LACQUER THINNER	STARTEX CJEMICAL INC.	0.000	1.000	0.000	0.000		130	08/01/94	/ /	/ /
CI03172	PAINT THINNER	U.S. OF AMERICA INC.	0.000	1.000	0.000	0.000		130	08/01/94	/ /	/ /
CI03170	ISOPROPYL ALCOHOL	MALLINCKRODT	0.000	1.056	0.000	0.000		130	08/01/94	/ /	/ /
CI03168	UNK ALCOHOL 200 PROOF	UNK	0.000	0.000	0.000	0.000	X	130	08/01/94	/ /	/ /
CI03164	INDUSTRIAL ENAMEL PAINT	SHERWIN-WILLIAMS	0.000	1.000	0.000	0.000		130	08/01/94	/ /	/ /
CI03166	INDUSTRIAL ENAMEL PAINT	BRUNING	0.000	1.000	0.000	0.000		130	08/01/94	/ /	/ /
CI03072	HI TECH PROTECTIVE COATING	SEYMOUR OF SYCAMORE INC.	0.000	0.130	0.000	0.000		130	08/01/94	/ /	/ /
CI03074	HI TECH PROTECTIVE COATING	SEYMOUR OF SYCAMORE INC.	0.000	0.130	0.000	0.000		130	08/01/94	/ /	/ /
CI03076	HI TECH PROTECTIVE COATING	SEYMOUR OF SYCAMORE INC.	0.000	0.130	0.000	0.000		130	08/01/94	/ /	/ /
CI03078	HI TECH PROTECTIVE COATING	SEYMOUR OF SYCAMORE INC.	0.000	0.130	0.000	0.000		130	08/01/94	/ /	/ /
CI03080	HI TECH PROTECTIVE COATING	SEYMOUR OF SYCAMORE INC.	0.000	0.130	0.000	0.000		130	08/01/94	/ /	/ /
CI03082	HI TECH PROTECTIVE COATING	SEYMOUR OF SYCAMORE INC.	0.000	0.130	0.000	0.000		130	08/01/94	/ /	/ /
CI03084	HI TECH PROTECTIVE COATING	SEYMOUR OF SYCAMORE INC.	0.000	0.130	0.000	0.000		130	08/01/94	/ /	/ /
CI03086	HI TECH PROTECTIVE COATING	SEYMOUR OF SYCAMORE INC.	0.000	0.130	0.000	0.000		130	08/01/94	/ /	/ /
CI03088	HI TECH PROTECTIVE COATING	SEYMOUR OF SYCAMORE INC.	0.000	0.130	0.000	0.000		130	08/01/94	/ /	/ /
CI03090	HI TECH PROTECTIVE COATING	SEYMOUR OF SYCAMORE INC.	0.000	0.130	0.000	0.000		130	08/01/94	/ /	/ /
CI03092	HI TECH PROTECTIVE COATING	SEYMOUR OF SYCAMORE INC.	0.000	0.130	0.000	0.000		130	08/01/94	/ /	/ /
CI03094	HI TECH PROTECTIVE COATING	SEYMOUR OF SYCAMORE INC.	0.000	0.130	0.000	0.000		130	08/01/94	/ /	/ /
CI03096	HI TECH PROTECTIVE COATING	SEYMOUR OF SYCAMORE INC.	0.000	0.130	0.000	0.000		130	08/01/94	/ /	/ /
CI03196	WHITE SILICONE ADH. SEALANT	GENERAL ELECTRIC	0.000	0.079	0.000	0.000		130	08/01/94	/ /	/ /
CI03184	WHITE SILICONE ADH. SEALANT	GENERAL ELECTRIC	0.000	0.079	0.000	0.000		130	08/01/94	/ /	/ /
CI03194	WHITE SILICONE ADH. SEALANT	GENERAL ELECTRIC	0.000	0.079	0.000	0.000		130	08/01/94	/ /	/ /
CI03180	WHITE SILICONE ADH. SEALANT	GENERAL ELECTRIC	0.000	0.079	0.000	0.000		130	08/01/94	/ /	/ /
CI03192	WHITE SILICONE ADH. SEALANT	GENERAL ELECTRIC	0.000	0.079	0.000	0.000		130	08/01/94	/ /	/ /
CI03182	WHITE SILICONE ADH. SEALANT	GENERAL ELECTRIC	0.000	0.079	0.000	0.000		130	08/01/94	/ /	/ /

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CI03190	WHITE SILICONE ADH. SEALANT	GENERAL ELECTRIC	0.000	0.079	0.000	0.000		130	08/01/94	/ /	/ /
CI03188	WHITE SILICONE ADH. SEALANT	GENERAL ELECTRIC	0.000	0.079	0.000	0.000		130	08/01/94	/ /	/ /
CI03176	WHITE SILICONE ADH. SEALANT	GENERAL ELECTRIC	0.000	0.079	0.000	0.000		130	08/01/94	/ /	/ /
CI03186	WHITE SILICONE ADH. SEALANT	GENERAL ELECTRIC	0.000	0.079	0.000	0.000		130	08/01/94	/ /	/ /
CI03178	WHITE SILICONE ADH. SEALANT	GENERAL ELECTRIC	0.000	0.079	0.000	0.000		130	08/01/94	/ /	/ /
CI03212	RUST REFORMER	RUST-OLEUM CORP.	0.000	1.000	0.000	0.000		130	08/01/94	/ /	/ /
CI03214	RUST REFORMER	RUST-OLEUM CORP.	0.000	1.000	0.000	0.000		130	08/01/94	/ /	/ /
CI03208	PAINT REMOVER	KLEAN STRIP BARR INC.	0.000	1.000	0.000	0.000		130	08/01/94	/ /	/ /
CI03210	PAINT THINNER	STARTEX CHEMICAL INC.	0.000	1.000	0.000	0.000		130	08/01/94	/ /	/ /
CI03206	ISOPROPYL ALCOHOL	MOUND RED CAN	0.000	1.000	0.000	0.000		130	08/01/94	/ /	/ /
CI03222	SILICONE SEALANT	DOW CORNING	0.000	0.080	0.000	0.000		130	08/01/94	/ /	/ /
CI03198	WHITE RTV 102 ADHESIVE	GE SILICONES	0.000	0.079	0.000	0.000		130	08/01/94	/ /	/ /
CI03200	WHITE RTV 102 ADHESIVE	GE SILICONES	0.000	0.079	0.000	0.000		130	08/01/94	/ /	/ /
[illegible]02	WHITE RTV 102 ADHESIVE	GE SILICONES	0.000	0.079	0.000	0.000		130	08/01/94	/ /	/ /
CI03204	WHITE RTV 102 ADHESIVE	GE SILICONES	0.000	0.079	0.000	0.000		130	08/01/94	/ /	/ /
CI03216	SILICONE SEALANT	DOW CORNING	0.000	0.080	0.000	0.000		130	08/01/94	/ /	/ /
CI03218	SILICONE SEALANT	DOW CORNING	0.000	0.080	0.000	0.000		130	08/01/94	/ /	/ /
CI03220	ALL PURPOSE ADHESIVE	DARWORTH CO.	0.000	0.080	0.000	0.000		130	08/01/94	/ /	/ /
	NO CHEMICALS		0.000	0.000	0.000	0.000		130A	08/01/94	/ /	/ /
	NO CHEMICALS		0.000	0.000	0.000	0.000		130A	08/01/94	/ /	/ /
CI12844	WIRE PULLING LUB.	GARDNER BENDER INC.	0.000	0.264	0.000	0.000		131	08/01/94	/ /	/ /
	UNK 4 DRUMS OF PROTECTIUM		0.000	0.000	0.000	0.000		132	08/01/94	/ /	/ /
CI03027	UNK	UNK	8.981	0.000	0.000	0.000		132	08/01/94	/ /	/ /
CI03029	UNK	UNK	8.981	0.000	0.000	0.000		132	08/01/94	/ /	/ /
CI03031	LUMBER ADHESIVE		0.000	0.000	0.000	0.000	X	132	08/01/94	/ /	/ /
	UNK 4 DRUMS OF PROTECTIUM		0.000	0.000	0.000	0.000		132	08/01/94	/ /	/ /
CI03045	ANCHORING CEMENT		0.000	0.000	0.000	0.000		134	08/01/94	/ /	/ /
CI03047	THOROPATCH		59.000	0.000	0.000	0.000		134	08/01/94	/ /	/ /
	NO CHEMICALS		0.000	0.000	0.000	0.000		136	08/01/94	/ /	/ /
	NO CHEMICALS		0.000	0.000	0.000	0.000		136	08/01/94	/ /	/ /
	NO CHEMICALS		0.000	0.000	0.000	0.000		137	08/01/94	/ /	/ /
	NO CHEMICALS		0.000	0.000	0.000	0.000		137	08/01/94	/ /	/ /
CI03033	GLOSS ENAMEL	BRUNING PAINT CO.	0.000	0.264	0.000	0.000		138	08/01/94	/ /	/ /
CI03035	LIGHTWEIGHT SPACKLIG	DAP	2.000	0.000	0.000	0.000		138	08/01/94	/ /	/ /
[illegible]36	LIGHTWEIGHT SPACKLIG	DAP	0.000	0.000	0.000	0.000		138	08/01/94	/ /	/ /
CI03037	LIGHTWEIGHT SPACKLIG	DAP	0.000	0.000	0.000	0.000		138	08/01/94	/ /	/ /

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CI03038	LIGHTWEIGHT SPACKLIG	DAP	0.000	0.000	0.000	0.000		138	08/01/94	/ /	/ /
CI03043	SILCONE SEAL	DAP	0.644	0.000	0.000	0.000		138	08/01/94	/ /	/ /
CI03039	SILCONE SEAL	DAP	0.644	0.000	0.000	0.000		138	08/01/94	/ /	/ /
CI03040	SILCONE SEAL	DAP	0.644	0.000	0.000	0.000		138	08/01/94	/ /	/ /
CI03041	21 CANS OF PAINT	BRUNING	0.000	21.000	0.000	0.000		138	08/01/94	/ /	/ /
CI03228	WINDOW SHINE CLEANER	VALLEY SUPPLY CO.	0.000	1.000	0.000	0.000		139	08/01/94	/ /	/ /
CI03226	WINDOW SHINE CLEANER	VALLEY SUPPLY CO.	0.000	1.000	0.000	0.000		139	08/01/94	/ /	/ /
CI03224	WINDOW SHINE CLEANER	VALLEY SUPPLY CO.	0.000	1.000	0.000	0.000		139	08/01/94	/ /	/ /
CI13062	DEVELOPER CHEM. IN DK. ROOM		0.000	0.000	0.000	0.000	X	14	08/01/94	/ /	/ /
CI03001	HYDROCLORIC ACID	BAKER	0.000	1.584	0.000	0.000		140	08/01/94	/ /	/ /
CI03003	SODIUM HYDROXIDE	MALLINCKRODT	543.332	0.000	0.000	0.000		140	08/01/94	/ /	/ /
CI03005	WINDOW SHINE	VALLY SUPPLY CO.	0.000	1.000	0.000	0.000		140	08/01/94	/ /	/ /
CI03007	WD-40	WD-40 CO.	0.000	0.070	0.000	0.000		140	08/01/94	/ /	/ /
CI03009	ASBESTOS PIPE WRAPPING		0.000	0.000	0.000	0.000	X	140	08/01/94	/ /	/ /
CI03011	WINDOW SHINE	VALLEY SUPPLY CO.	0.000	1.000	0.000	0.000		140	08/01/94	/ /	/ /
CI03013	RUBBER SILICONE		0.175	0.000	0.000	0.000		140	08/01/94	/ /	/ /
CI03015	RUBBER SILICONE		0.175	0.000	0.000	0.000		140	08/01/94	/ /	/ /
CI03017	NICKEL WIRE	DRIVER HARRIS CO.	0.000	0.000	0.000	0.000	X	140	08/01/94	/ /	/ /
CI03019	PUMP OIL RESERVIOR		0.000	0.000	0.000	0.000	X	140	08/01/94	/ /	/ /
CI12418	VACUUM PUMP OIL	LIEBOLD HARRIS	0.000	1.000	0.000	0.000		142	08/01/94	/ /	/ /
CI12419	WD-40	WD-40 CO.	0.000	0.000	1.000	0.000		142	08/01/94	/ /	/ /
CI12420	WINDOW SHINE	VALLEY SUPPLY CO.	0.000	1.000	0.000	0.000		142	08/01/94	/ /	/ /
CI12421	ALCOHOL	MOUND	0.000	0.000	0.000	0.000	X	142	08/01/94	/ /	/ /
CI12422	VACTRA OIL #2	MOBIL HARDING BRO. INC.	0.000	0.125	0.000	0.000		142	08/01/94	/ /	/ /
CI12423	NITROGEN LINES		0.000	0.000	1.000	0.000		142	08/01/94	/ /	/ /
CI12424	ARGON LINES		0.000	0.000	1.000	0.000		142	08/01/94	/ /	/ /
CI13081	LIQUID NITROGEN		0.000	0.000	1.000	0.000		143	08/01/94	/ /	/ /
CI13082	PUMP OIL		0.000	0.000	0.000	0.000	X	143	08/01/94	/ /	/ /
CI13083	GREASE B GONE	STATE	0.000	1.000	0.000	0.000		144	08/01/94	/ /	/ /
CI13084	CONQUEST	CHARDON LAB. INC.	0.000	1.000	0.000	0.000		144	08/01/94	/ /	/ /
CI13085	WINDOW SHINE	VALLEY SUPPLY CO.	0.000	1.000	0.000	0.000		144	08/01/94	/ /	/ /
CI13086	HOSPITAL DISINFECTANT	BETCO	0.000	0.109	0.000	0.000		144	08/01/94	/ /	/ /
CI12407	WINDOW SHINE	VALLEY SUPPLY CO.	0.000	1.000	0.000	0.000		146	08/01/94	/ /	/ /
CI12408	ALCOHOL	MOUND CONTAINER	0.000	0.000	0.000	0.000	X	146	08/01/94	/ /	/ /
CI12409	WD-40	WD-40 CO.	0.000	0.070	0.000	0.000		146	08/01/94	/ /	/ /
CI12410	NICKEL CADIUM BATTERIES	EVER READY	0.000	0.000	0.000	0.000	X	146	08/01/94	/ /	/ /
CI12411	EPOXY PACKETS	HARDMAN	0.009	0.000	0.000	0.000		146	08/01/94	/ /	/ /
CI12412	VACUUM PUMP(GLOVE BOX)	DOW CORNING	0.000	0.000	0.000	0.000	X	146	08/01/94	/ /	/ /
CI12413	HYDRALIC FLUID		0.000	0.000	0.000	0.000	X	146	08/01/94	/ /	/ /
CI12414	VACUUM PUMP OIL		0.000	0.000	0.000	0.000	X	146	08/01/94	/ /	/ /
CI12415	TORR SEAL	TORR SEAL	0.000	0.000	0.000	0.000		146	08/01/94	/ /	/ /
CI12416	DESENEX FOOT POWDER	FISONS CORP.	0.094	0.000	0.000	0.000		146	08/01/94	/ /	/ /

CHEMICAL INVENTORY BUILDING REPORT
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BARCODE	DESCRIPTION	MANU FACTURER	SOLID QUANTITY (POUNDS)	LIQUID QUANTITY (GALLONS)	GAS QUANTITY (CYLNDERS)	MISC. QUANTITY	U N K	ROOM	DATE ENTERED	DATE VERIFIED	DATE DISPOSED
CI12417	NITROGEN LINES		0.000	0.000	1.000	0.000		146	08/01/94	/ /	/ /
CI12389	VACUUM PUMP OIL		0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI12390	WINDOW SHINE	VALLEY SUPPLY CO.	0.000	1.000	0.000	0.000		147	08/01/94	/ /	/ /
CI12391	HELIUM LINE		0.000	0.000	1.000	0.000		147	08/01/94	/ /	/ /
CI12392	NICKEL GASKETS	CAJON	0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI12393	NICKEL GASKETS	CAJON	0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI12394	SAN-TOVAC 5	MONSANTO	0.000	0.132	0.000	0.000		147	08/01/94	/ /	/ /
CI12395	WD-40	WD-40 CO.	0.000	0.070	0.000	0.000		147	08/01/94	/ /	/ /
CI12396	ALCOHOL	MOUND	0.000	0.000	0.000	0.000	X	147	08/01/94	/ /	/ /
CI12397	'WR-GR TYPE 1, LUBRICANT'		0.500	0.000	0.000	0.000		147	08/01/94	/ /	/ /
CI12398	FREON REFRIGERATOR		0.000	0.000	1.000	0.000		147	08/01/94	/ /	/ /
CI12400	NICKEL GASKETS	CAJON	0.000	0.000	0.000	0.000	X	147A	08/01/94	/ /	/ /
CI12401	NICKEL GASKETS	CAJON	0.000	0.000	0.000	0.000	X	147A	08/01/94	/ /	/ /
CI12402	CUTTING COMPOUND	SULFLO	0.000	0.125	0.000	0.000		147A	08/01/94	/ /	/ /
CI12403	NITROGEN LINE		0.000	0.000	1.000	0.000		147A	08/01/94	/ /	/ /
CI12404	HYDRALIC PUMP OIL		0.000	0.000	0.000	0.000	X	147A	08/01/94	/ /	/ /
CI12405	ARGON		0.000	0.000	1.000	0.000		147A	08/01/94	/ /	/ /
CI12406	UN 1956	MATHESON GAS PRODUCTS	0.000	0.000	0.000	0.000	X	147A	08/01/94	/ /	/ /
CI12458	HIGH VACUUM GREASE	DOW CORNING	0.125	0.000	0.000	0.000		148	08/01/94	/ /	/ /
CI12459	HIGH VACUUM GREASE	DOW CORNING	0.125	0.000	0.000	0.000		148	08/01/94	/ /	/ /
[illegible]460	HIGH VACUUM GREASE	DOW CORNING	0.125	0.000	0.000	0.000		148	08/01/94	/ /	/ /
CI12461	HIGH VACUUM GREASE	DOW CORNING	0.125	0.000	0.000	0.000		148	08/01/94	/ /	/ /
CI12462	HIGH VACUUM GREASE	DOW CORNING	0.125	0.000	0.000	0.000		148	08/01/94	/ /	/ /
CI12463	GAS LEAK DETECTOR	CALGON CORP.	0.000	0.047	0.000	0.000		148	08/01/94	/ /	/ /
CI12464	FLUORO GLIDE	CHEMPLAST INC.	0.000	0.125	0.000	0.000		148	08/01/94	/ /	/ /
CI12465	SILCONE SPRAY	INJECTION MOLDERS CO.	0.000	0.094	0.000	0.000		148	08/01/94	/ /	/ /
CI12466	FILTER COAT	RESEARCH PRODUCTS	0.000	0.125	0.000	0.000		148	08/01/94	/ /	/ /
CI12467	LECTROETCH	DAYTON MARKING CO.	0.000	0.250	0.000	0.000		148	08/01/94	/ /	/ /
CI12468	LECTROETCH	DAYTON MARKING CO.	0.000	0.250	0.000	0.000		148	08/01/94	/ /	/ /
CI12469	LECTROETCH	DAYTON MARKING CO.	0.000	0.250	0.000	0.000		148	08/01/94	/ /	/ /
CI12470	LECTROETCH	DAYTON MARKING CO.	0.000	0.250	0.000	0.000		148	08/01/94	/ /	/ /
CI12471	FREON		0.000	0.000	1.000	0.000		148	08/01/94	/ /	/ /
CI12472	PUMP OIL		0.000	0.000	0.000	0.000	X	148	08/01/94	/ /	/ /
CI12473	LEAD BRICKS		0.000	0.000	0.000	0.000	X	148	08/01/94	/ /	/ /
CI12474	SILICONES RUBBER COMP.	GE	9.100	0.000	0.000	0.000		148	08/01/94	/ /	/ /
[illegible]12475	I SO CLEAN CONCENTRATE	ISO LAB	0.000	0.264	0.000	0.000		148	08/01/94	/ /	/ /
[illegible]2476	I SO CLEAN CONCENTRATE	ISO LAB	0.000	0.264	0.000	0.000		148	08/01/94	/ /	/ /
CI12477	I SO CLEAN CONCENTRATE	ISO LAB	0.000	0.264	0.000	0.000		148	08/01/94	/ /	/ /

CHEMICAL INVENTORY BUILDING REPORT
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CI12478	I SO CLEAN CONCENTRATE	ISO LAB	0.000	0.264	0.000	0.000		148	08/01/94	/ /	/ /
CI12479	ALUMINUM METAL	FISHER SCIENTIFIC	1.100	0.000	0.000	0.000		148	08/01/94	/ /	/ /
CI12480	IRON POWDER	FISHER SCIENTIFIC	1.000	0.000	0.000	0.000		148	08/01/94	/ /	/ /
CI12481	PALLADIUM BLACK	ENGELHARD	0.220	0.000	0.000	0.000		148	08/01/94	/ /	/ /
CI12482	PALLADIUM POWDER	UNK	0.441	0.000	0.000	0.000		148	08/01/94	/ /	/ /
CI12483	PALLADIUM ALUMINUM	UNK	0.000	0.000	0.000	0.000	X	148	08/01/94	/ /	/ /
CI12484	PALLADIUM ALUMINUM	UNK	0.000	0.000	0.000	0.000	X	148	08/01/94	/ /	/ /
CI12485	PALLADIUM ALUMINUM	UNK	0.000	0.000	0.000	0.000	X	148	08/01/94	/ /	/ /
CI12486	PALLADIUM ALUMINUM	UNK	0.000	0.000	0.000	0.000	X	148	08/01/94	/ /	/ /
CI12487	HAFMIUM	UNK	0.000	0.000	0.000	0.000	X	148	08/01/94	/ /	/ /
CI12488	PALLADIUM ALUMINUM	UNK	0.661	0.000	0.000	0.000		148	08/01/94	/ /	/ /
CI12489	PALLADIUM ALUMINUM	UNK	0.661	0.000	0.000	0.000		148	08/01/94	/ /	/ /
CI12490	HAFMIUM METAL	UNK	0.110	0.000	0.000	0.000		148	08/01/94	/ /	/ /
CI12491	HAFMIUM METAL	UNK	4.956	0.000	0.000	0.000		148	08/01/94	/ /	/ /
CI12492	HAFMIUM METAL	UNK	1.181	0.000	0.000	0.000		148	08/01/94	/ /	/ /
CI12493	HAFMIUM METAL	A.D. MACKAY	15.000	0.000	0.000	0.000		148	08/01/94	/ /	/ /
CI12494	HELIUM 3	MOUND	0.000	0.000	1.000	0.000		148	08/01/94	/ /	/ /
CI12495	HELIUM 3	MOUND	0.000	0.000	1.000	0.000		148	08/01/94	/ /	/ /
CI12496	HELIUM 3	MOUND	0.000	0.000	1.000	0.000		148	08/01/94	/ /	/ /
CI12497	HELIUM 3	MOUND	0.000	0.000	1.000	0.000		148	08/01/94	/ /	/ /
CI12498	HELIUM 3	MOUND	0.000	0.000	1.000	0.000		148	08/01/94	/ /	/ /
CI12499	HELIUM 3	MOUND	0.000	0.000	1.000	0.000		148	08/01/94	/ /	/ /
CI12506	NAVAL JELLY	DURO	1.000	0.000	0.000	0.000		148	08/01/94	/ /	/ /
CI12507	SILICONE RUBBER	GE	0.000	0.000	0.000	0.000	X	148	08/01/94	/ /	/ /
CI12500	TAP MAGIC	TAP MAGIC	0.000	0.125	0.000	0.000		148	08/01/94	/ /	/ /
CI12502	OXYGEN / ARGON		0.000	0.000	1.000	0.000		148	08/01/94	/ /	/ /
CI12508	COOLANOL	MONSANTO	0.000	0.000	0.000	0.000	X	148	08/01/94	/ /	/ /
CI12504	MOLECULAR SEIVE	VACSORB	1.500	0.000	0.000	0.000		148	08/01/94	/ /	/ /
CI12505	GREASE B GONE	STATE	0.000	1.000	0.000	0.000		148	08/01/94	/ /	/ /
CI950740	Argon	Air Products	0.000	0.000	1.000	0.000		148	09/18/95	/ /	/ /
CI12362	RTV		0.000	0.000	0.000	0.000	X	149	08/01/94	/ /	/ /
CI12363	PUMP OIL		0.000	0.000	0.000	0.000	X	149	08/01/94	/ /	/ /
CI12364	WINDOW CLEANER		0.000	0.000	0.000	0.000	X	149	08/01/94	/ /	/ /
CI12365	DUCT SEALER	NASHU	5.000	0.000	0.000	0.000		149	08/01/94	/ /	/ /
CI12376	VACUUM PUMP		0.000	0.000	0.000	0.000	X	149A	08/01/94	/ /	/ /
CI12366	SULFURIC ACID	UNK	0.000	0.053	0.000	0.000		149A	08/01/94	/ /	/ /
CI12367	PHOSPHORIC ACID	BAKER	0.000	0.132	0.000	0.000		149A	08/01/94	/ /	/ /
CI12368	SODIUM SULFATE	MCB REAGENTS	1.000	0.000	0.000	0.000		149A	08/01/94	/ /	/ /
CI12369	SODIUM CARBONATE ANHYDROUS	BAKER	0.000	0.264	0.000	0.000		149A	08/01/94	/ /	/ /
CI12370	LIFTAWAY		0.000	0.000	0.000	0.000	X	149A	08/01/94	/ /	/ /
CI12371	OXYGEN		0.000	0.000	1.000	0.000		149A	08/01/94	/ /	/ /
CI12372	NITROGEN		0.000	0.000	1.000	0.000		149A	08/01/94	/ /	/ /
CI12376	VACUUM PUMP		0.000	0.000	0.000	0.000	X	149A	08/01/94	/ /	/ /
CI12376	COOLANOL		0.000	0.000	0.000	0.000	X	149B	08/01/94	/ /	/ /
CI12373	OIL		0.000	0.000	0.000	0.000	X	149B	08/01/94	/ /	/ /
CI12374	MOLECULAR SEIVE		0.000	0.000	0.000	0.000	X	149B	08/01/94	/ /	/ /
CI12375	WD-40	WD-40 CO.	0.000	0.070	0.000	0.000		149B	08/01/94	/ /	/ /
CI12376	COOLANOL		0.000	0.000	0.000	0.000	X	149B	08/01/94	/ /	/ /
CI500096	Coolanol 20	Chevron	0.000	1.000	0.000	0.000		149B	10/26/95	/ /	/ /
CI500097	Coolanol 20	Chevron	0.000	1.000	0.000	0.000		149B	10/26/95	/ /	/ /
CI500098	Coolanol 20	Chevron	0.000	1.000	0.000	0.000		149B	10/26/95	/ /	/ /
CI500098	Coolanol 20	Chevron	0.000	1.000	0.000	0.000		149B	10/26/95	/ /	/ /
CI500099	Coolanol 20	Chevron	0.000	1.000	0.000	0.000		149B	10/26/95	/ /	/ /
CI500100	Coolanol 20	Chevron	0.000	1.000	0.000	0.000		149B	10/26/95	/ /	/ /
CI500101	Coolanol 20	Chevron	0.000	1.000	0.000	0.000		149B	10/26/95	/ /	/ /
CI500102	Coolanol 20	Chevron	0.000	1.000	0.000	0.000		149B	10/26/95	/ /	/ /
CI500103	Coolanol	Chevron	0.000	1.000	0.000	0.000		149B	10/26/95	/ /	/ /

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CI500104	Coolanol 20	Chevron	0.000	1.000	0.000	0.000		149B	10/26/95	/ /	/ /
CI500105	Coolanol 20	Chevron	0.000	1.000	0.000	0.000		149B	10/26/95	/ /	/ /
CI500106	Coolanol 20	Chevron	0.000	1.000	0.000	0.000		149B	10/26/95	/ /	/ /
CI500107	Coolanol 20	Chevron	0.000	1.000	0.000	0.000		149B	10/26/95	/ /	/ /
CI500108	Coolanol 20	Chevron	0.000	1.000	0.000	0.000		149B	10/26/95	/ /	/ /
CI500109	Coolanol 20	Chevron	0.000	1.000	0.000	0.000		149B	10/26/95	/ /	/ /
CI500110	Coolanol 20	Chevron	0.000	1.000	0.000	0.000		149B	10/26/95	/ /	/ /
CI500111	Coolanol 20	Chevron	0.000	1.000	0.000	0.000		149B	10/26/95	/ /	/ /
CI500112	Coolanol 20	Chevron	0.000	1.000	0.000	0.000		149B	10/26/95	/ /	/ /
CI500113	Coolanol 20	Chevron	0.000	1.000	0.000	0.000		149B	10/26/95	/ /	/ /
CI500114	Coolanol 20	Chevron	0.000	1.000	0.000	0.000		149B	10/26/95	/ /	/ /
CI500115	Coolanol 20	Chevron	0.000	1.000	0.000	0.000		149B	10/26/95	/ /	/ /
CI500116	Coolanol 20	Chevron	0.000	1.000	0.000	0.000		149B	10/26/95	/ /	/ /
CI500117	Coolanol 20	Chevron	0.000	1.000	0.000	0.000		149B	10/26/95	/ /	/ /
CI500118	Coolanol 20	Chevron	0.000	1.000	0.000	0.000		149B	10/26/95	/ /	/ /
CI500119	Coolanol 20	Chevron	0.000	1.000	0.000	0.000		149B	10/26/95	/ /	/ /
CI500126	Coolanol 20	Chevron	0.000	1.000	0.000	0.000		149B	10/26/95	/ /	/ /
CI500127	Coolanol 20	Chevron	0.000	1.000	0.000	0.000		149B	10/26/95	/ /	/ /
CI500128	Coolanol 20	Chevron	0.000	1.000	0.000	0.000		149B	10/26/95	/ /	/ /
CI500129	Coolanol 20	Chevron	0.000	1.000	0.000	0.000		149B	10/26/95	/ /	/ /
CI500130	Coolanol 20	Chevron	0.000	1.000	0.000	0.000		149B	10/26/95	/ /	/ /
CI500131	Coolanol 20	Chevron	0.000	1.000	0.000	0.000		149B	10/26/95	/ /	/ /
CI12899	WINDOW SHINE	MOUND	0.000	0.000	0.000	0.000	X	15	08/01/94	/ /	/ /
CI12900	ETHANOL	MOUND	0.000	0.000	0.000	0.000	X	15	08/01/94	/ /	/ /
CI12901	UHU GLUE STICK	EBERHARD FABER	0.088	0.000	0.000	0.000		15	08/01/94	/ /	/ /
CI12902	TORR-SEAL	VARIAN ASSOCIATES	0.174	0.000	0.000	0.000		15	08/01/94	/ /	/ /
[illegible]094	LEAK TEK	AMERICAN GAS	0.000	0.031	0.000	0.000		150	08/01/94	/ /	/ /
CI12095	LEAK TEK	AMERICAN GAS	0.000	0.031	0.000	0.000		150	08/01/94	/ /	/ /
CI12096	SCOURING POWDER	FITZPATRICK	0.875	0.000	0.000	0.000		150	08/01/94	/ /	/ /
CI12097	VALLEY WINDOW SHINE	VALLEY	0.000	1.000	0.000	0.000		150	08/01/94	/ /	/ /
CI12098	NAVAL JELLY	DURO	0.000	0.125	0.000	0.000		150	08/01/94	/ /	/ /
CI12099	RTV 102	GE	0.625	0.000	0.000	0.000		150	08/01/94	/ /	/ /
CI12100	MOLECULAR SEIVE	PERKIN-ELMER	0.075	0.000	0.000	0.000		150	08/01/94	/ /	/ /
CI12101	NITROGEN		0.000	0.000	1.000	0.000		150	08/01/94	/ /	/ /
CI12102	ARGON		0.000	0.000	1.000	0.000		150	08/01/94	/ /	/ /
CI12103	HELIUM		0.000	0.000	1.000	0.000		150	08/01/94	/ /	/ /
CI12104	WD-40	WD-40 CO.	0.000	0.070	0.000	0.000		150	08/01/94	/ /	/ /
CI12105	CUTTING OIL	CHESTERTON	0.000	0.000	1.000	0.000		150	08/01/94	/ /	/ /
CI12106	MOLYKOTE 321 R	DOW CORNING	0.000	0.000	1.000	0.000		150	08/01/94	/ /	/ /
CI12107	VACUUM PUMP OIL	UNK	0.000	0.000	0.000	0.000	X	150	08/01/94	/ /	/ /
CI12108	ISOPROPYL ALCOHOL	MOUND CAN	0.000	0.000	0.000	0.000	X	150	08/01/94	/ /	/ /
CI12109	POLYPHENOL ETHER	MONSANTO	0.000	0.000	0.000	0.000	X	150	08/01/94	/ /	/ /
CI12110	GREASE B GONE	STATE	0.000	1.000	0.000	0.000		150	08/01/94	/ /	/ /
CI12111	PROPANOL	FISHER SCIENTIFIC	0.000	1.056	0.000	0.000		150	08/01/94	/ /	/ /
CI12112	PROPANE FUEL	CLEANWELD TURNER	0.000	0.000	1.000	0.000		150	08/01/94	/ /	/ /
CI12113	PROPANE FUEL	CLEANWELD TURNER	0.000	0.000	1.000	0.000		150	08/01/94	/ /	/ /
CI12114	PROPANE FUEL	CLEANWELD TURNER	0.000	0.000	1.000	0.000		150	08/01/94	/ /	/ /
CI12115	PROPANE FUEL	CLEANWELD TURNER	0.000	0.000	1.000	0.000		150	08/01/94	/ /	/ /
[illegible]116	PROPANE FUEL	HWI	0.000	0.000	1.000	0.000		150	08/01/94	/ /	/ /
[illegible]2117	ISOPROPYL ALCOHOL	MOUND	0.000	0.000	0.000	0.000	X	150	08/01/94	/ /	/ /
CI12118	ISOPROPYL ALCOHOL	W H BRADY	0.000	1.000	0.000	0.000		150	08/01/94	/ /	/ /

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CI12119	ISOPROPYL ALCOHOL	W H BRADY	0.000	1.000	0.000	0.000		150	08/01/94	/ /	/ /
CI12120	ISOPROPYL ALCOHOL	W H BRADY	0.000	5.000	0.000	0.000		150	08/01/94	/ /	/ /
CI12121	ETHYL ALCOHOL	W H BRADY	0.000	1.000	0.000	0.000		150	08/01/94	/ /	/ /
CI12122	VACUUM PUMP OIL	UNK	0.000	0.000	0.000	0.000	X	150	08/01/94	/ /	/ /
CI12123	COOLANT	MONSANTO	0.000	5.000	0.000	0.000		150	08/01/94	/ /	/ /
CI12124	VACUUM PUMP OIL	LEYBOLD-HE RAEUS	0.000	3.906	0.000	0.000		150	08/01/94	/ /	/ /
CI12125	VACUUM PUMP OIL	LEYBOLD-HE RAEUS	0.000	3.906	0.000	0.000		150	08/01/94	/ /	/ /
CI12126	VACUUM PUMP OIL	LEYBOLD-HE RAEUS	0.000	3.906	0.000	0.000		150	08/01/94	/ /	/ /
CI12127	VACUUM PUMP FLUID	UNK	0.000	1.056	0.000	0.000		150	08/01/94	/ /	/ /
CI12128	PROPANOL	FISHER SCIENTIFIC	0.000	1.056	0.000	0.000		150	08/01/94	/ /	/ /
CI12129	PROPANOL	FISHER SCIENTIFIC	0.000	1.056	0.000	0.000		150	08/01/94	/ /	/ /
CI12130	LEAK TEK	AMERICAN GAS & CHEMICAL	0.000	0.031	0.000	0.000		150	08/01/94	/ /	/ /
CI12131	HIGH VACUUM GREASE	DOW CORNING	0.331	0.000	0.000	0.000		150	08/01/94	/ /	/ /
CI12132	HIGH VACUUM GREASE	DOW CORNING	0.125	0.000	0.000	0.000		150	08/01/94	/ /	/ /
CI12133	NICKEL VCR GASKETS	CAJON	0.000	0.000	0.000	0.000	X	150	08/01/94	/ /	/ /
CI12134	RTV SILICONE RUBBER	GE	0.250	0.000	0.000	0.000		150	08/01/94	/ /	/ /
CI12135	LOCTITE THREAD LOCKER	LOCKTITE	0.000	0.031	0.000	0.000		150	08/01/94	/ /	/ /
CI12136	GAS LEAK DETECTOR	WHITLAM	0.000	0.062	0.000	0.000		150	08/01/94	/ /	/ /
CI12137	GAS LEAK DETECTOR	WHITLAM	0.000	0.062	0.000	0.000		150	08/01/94	/ /	/ /
CI12138	GAS LEAK DETECTOR	WHITLAM	0.000	0.062	0.000	0.000		150	08/01/94	/ /	/ /
CI12139	GAS LEAK DETECTOR	WHITLAM	0.000	0.062	0.000	0.000		150	08/01/94	/ /	/ /
CI12140	MOLYKOTE LUB. SPRAY	DOW CORNING	0.000	0.102	0.000	0.000		150	08/01/94	/ /	/ /
CI12141	MOLYKOTE LUB. SPRAY	DOW CORNING	0.000	0.102	0.000	0.000		150	08/01/94	/ /	/ /
CI12142	MOLY COAT	DOW CORNING	0.000	0.102	0.000	0.000		150	08/01/94	/ /	/ /
CI12143	MOLY COAT	DOW CORNING	0.000	0.102	0.000	0.000		150	08/01/94	/ /	/ /
CI12144	PIPE JOINT CEMENT	TYTE UNYTE	0.125	0.000	0.000	0.000		150	08/01/94	/ /	/ /
CI12145	RTV SILICONE RUBBER	GE	0.175	0.000	0.000	0.000		150	08/01/94	/ /	/ /
CI12146	RTV SILICONE RUBBER	GE	0.175	0.000	0.000	0.000		150	08/01/94	/ /	/ /
CI12147	RTV SILICONE RUBBER	GE	0.175	0.000	0.000	0.000		150	08/01/94	/ /	/ /
CI12148	RTV SILICONE RUBBER	GE	0.175	0.000	0.000	0.000		150	08/01/94	/ /	/ /
CI12149	RTV SILICONE RUBBER	GE	0.175	0.000	0.000	0.000		150	08/01/94	/ /	/ /
CI12150	RTV SILICONE RUBBER	GE	0.175	0.000	0.000	0.000		150	08/01/94	/ /	/ /
CI12151	3 - IN 1 OIL	BOYLE-MIDWAY	0.000	0.023	0.000	0.000		150	08/01/94	/ /	/ /
CI12152	EPOXY	COLE PARMER	0.000	0.000	0.000	0.000	X	150	08/01/94	/ /	/ /
CI12153	LIQUID NITROGEN	AIR PRODUCTS	0.000	0.000	1.000	0.000		150	08/01/94	/ /	/ /
CI12154	NITROGEN	AIR PRODUCTS	0.000	0.000	1.000	0.000		150	08/01/94	/ /	/ /

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CI12155	HYDROGEN	AIR PRODUCTS	0.000	0.000	1.000	0.000		150	08/01/94	/ /	/ /
CI12156	DEUTERIUM	AIR PRODUCTS	0.000	0.000	1.000	0.000		150	08/01/94	/ /	/ /
CI12157	HYDRPGEN	AIR PRODUCTS	0.000	0.000	1.000	0.000		150	08/01/94	/ /	/ /
CI12158	ARGON	AIR PRODUCTS	0.000	0.000	1.000	0.000		150	08/01/94	/ /	/ /
CI12159	HELIUM	AIR PRODUCTS	0.000	0.000	1.000	0.000		150	08/01/94	/ /	/ /
CI12160	OXYGEN/ARGON	AIR PRODUCTS	0.000	0.000	1.000	0.000		150	08/01/94	/ /	/ /
CI12161	OXYGEN/ARGON	AIR PRODUCTS	0.000	0.000	1.000	0.000		150	08/01/94	/ /	/ /
CI12162	ARGON	AIR PRODUCTS	0.000	0.000	1.000	0.000		150	08/01/94	/ /	/ /
CI12163	ARGON/HYDROGEN	AIR PRODUCTS	0.000	0.000	1.000	0.000		150	08/01/94	/ /	/ /
CI12164	ARGON /OXYGEN	AIR PRODUCTS	0.000	0.000	1.000	0.000		150	08/01/94	/ /	/ /
CI12165	ARGON /OXYGEN	AIR PRODUCTS	0.000	0.000	1.000	0.000		150	08/01/94	/ /	/ /
CI12166	ARGON 77PPM-OXYGEN	AIR PRODUCTS	0.000	0.000	1.000	0.000		150	08/01/94	/ /	/ /
CI12167	HELIUM	AIR PRODUCTS	0.000	0.000	1.000	0.000		150	08/01/94	/ /	/ /
CI12168	HELIUM	AIR PRODUCTS	0.000	0.000	1.000	0.000		150	08/01/94	/ /	/ /
[illegible]169	DOW CORNING VAC GREASE	DOW CORNING	0.125	0.000	0.000	0.000		150	08/01/94	/ /	/ /
CI12170	HELIUM	AIR PRODUCTS	0.000	0.000	1.000	0.000		150	08/01/94	/ /	/ /
CI12171	DEUTERIUM	AIR PRODUCTS	0.000	0.000	1.000	0.000		150	08/01/94	/ /	/ /
CI12172	FREON	AIR PRODUCTS	0.000	0.000	1.000	0.000		150	08/01/94	/ /	/ /
CI12173	GLUE STIK	FABER CASTELL	0.046	0.000	0.000	0.000		150	08/01/94	/ /	/ /
CI12174	GLUE STIK	FABER CASTELL	0.046	0.000	0.000	0.000		150	08/01/94	/ /	/ /
CI12634	REFRIGERATOR FREON		0.000	0.000	1.000	0.000		151	08/01/94	/ /	/ /
CI12635	77 SPRAY ADHESIVE	3M INDUSTRIAL SPECIALTIES	0.000	0.133	0.000	0.000		151	08/01/94	/ /	/ /
CI12175	HELIUM		0.000	0.000	1.000	0.000		152	08/01/94	/ /	/ /
CI12176	ARGON		0.000	0.000	1.000	0.000		152	08/01/94	/ /	/ /
CI12177	NITROGEN		0.000	0.000	1.000	0.000		152	08/01/94	/ /	/ /
CI12178	HELIUM		0.000	0.000	1.000	0.000		152	08/01/94	/ /	/ /
CI12179	NITROGEN		0.000	0.000	1.000	0.000		152	08/01/94	/ /	/ /
CI12180	MICRO LAB CLEANING SOL.	INTERNATIONAL PRODUCTS	0.000	0.000	0.000	0.000	X	152	08/01/94	/ /	/ /
CI12181	HYDROGEN	AIR PRODUCTS	0.000	0.000	1.000	0.000		152	08/01/94	/ /	/ /
CI12182	NITROGEN	AIR PRODUCTS	0.000	0.000	1.000	0.000		152	08/01/94	/ /	/ /
CI12183	HELIUM	AIR PRODUCTS	0.000	0.000	1.000	0.000		152	08/01/94	/ /	/ /
CI12184	HELIUM	TURNER	0.000	0.000	1.000	0.000		152	08/01/94	/ /	/ /
[illegible]185	PROPANE	UNK	0.000	0.000	1.000	0.000		152	08/01/94	/ /	/ /
[illegible]186	PUMP OIL		0.000	0.000	0.000	0.000	X	152	08/01/94	/ /	/ /
CI12187	EPOXY	DEVCON	0.000	0.008	0.000	0.000		152	08/01/94	/ /	/ /
CI12188	FLUORO GLIDE	CHEMPLAST	0.000	0.125	0.000	0.000		152	08/01/94	/ /	/ /

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CI12189	HELIUM	AIR PRODUCTS	0.000	0.000	1.000	0.000		152	08/01/94	/ /	/ /
CI12190	ARGON 304 PPM OXYGEN	AIR PRODUCTS	0.000	0.000	1.000	0.000		152	08/01/94	/ /	/ /
	NO CHEMICALS		0.000	0.000	0.000	0.000		153	08/01/94	/ /	/ /
	NO CHEMICALS		0.000	0.000	0.000	0.000		153	08/01/94	/ /	/ /
	NO CHEMICALS		0.000	0.000	0.000	0.000		153A	08/01/94	/ /	/ /
	NO CHEMICALS		0.000	0.000	0.000	0.000		153A	08/01/94	/ /	/ /
CI12621	WINDOW CLEANER	VALLEY SUPPLY CO.	0.000	0.000	0.000	0.000	X	153B	08/01/94	/ /	/ /
CI12622	NABC	SPARTAN	0.000	1.000	0.000	0.000		153B	08/01/94	/ /	/ /
CI12623	LIL BRO. BOWL CLEANER	STATE	0.000	0.250	0.000	0.000		153B	08/01/94	/ /	/ /
CI12624	AJAX	COLGATE-PALMOLIVE	0.875	0.000	0.000	0.000		153B	08/01/94	/ /	/ /
CI12625	HOSPITAL DISINFECTANT	BETCO	0.000	0.109	0.000	0.000		153B	08/01/94	/ /	/ /
CI12626	BABY POWDER	VALLEY SUPPLY CO.	0.000	0.109	0.000	0.000		153B	08/01/94	/ /	/ /
CI12650	SILICONE	DOW CORNING	0.000	0.000	0.000	0.000	X	153C	08/01/94	/ /	/ /
CI12651	CAULKING	GE	0.000	0.000	0.000	0.000	X	153C	08/01/94	/ /	/ /
	L S A - DRUMS IN HALLWAY		0.000	0.000	0.000	0.000		154	08/01/94	/ /	/ /
	L S A - DRUMS IN HALLWAY		0.000	0.000	0.000	0.000		154	08/01/94	/ /	/ /
	NO CHEMICALS		0.000	0.000	0.000	0.000		155	08/01/94	/ /	/ /
	NO CHEMICALS		0.000	0.000	0.000	0.000		155	08/01/94	/ /	/ /
	NO CHEMICALS		0.000	0.000	0.000	0.000		156	08/01/94	/ /	/ /
	NO CHEMICALS		0.000	0.000	0.000	0.000		156	08/01/94	/ /	/ /
	NO CHEMICALS		0.000	0.000	0.000	0.000		157B	08/01/94	/ /	/ /
	NO CHEMICALS		0.000	0.000	0.000	0.000		157B	08/01/94	/ /	/ /
	NO CHEMICALS		0.000	0.000	0.000	0.000		16	08/01/94	/ /	/ /
	NO CHEMICALS		0.000	0.000	0.000	0.000		16	08/01/94	/ /	/ /
CI12903	LIQUID NITROGEN	THERMOLYNE	0.000	0.000	1.000	0.000		16A	08/01/94	/ /	/ /
CI12904	ANTI STATIC SOLUTION	WESTON INSTRUMENTS	0.000	0.027	0.000	0.000		16A	08/01/94	/ /	/ /
CI12905	HIGH PURITY SILVER PAINT	SPI SUPPLIES INC.	0.000	0.000	0.000	0.000	X	16A	08/01/94	/ /	/ /
CI12906	VACUUM PUMP OIL	UNK	0.000	0.000	0.000	0.000	X	16A	08/01/94	/ /	/ /
CI12907	ARGON LINE		0.000	0.000	1.000	0.000		16A	08/01/94	/ /	/ /
CI12908	POL METALLPUTZ	ZUM HERDPUTZ	0.441	0.000	0.000	0.000		16A	08/01/94	/ /	/ /
CI12909	NISSER METAL MARKER	JOHN P. NISSER JR. CO.	0.000	0.000	0.000	0.000	X	16A	08/01/94	/ /	/ /
CI12910	APIEZON GREASE	APIEZON PROD. LIMITED	0.110	0.000	0.000	0.000		16A	08/01/94	/ /	/ /
CI12911	APIEZON GREASE	APIEZON PROD. LIMITED	0.055	0.000	0.000	0.000		16A	08/01/94	/ /	/ /
CI12912	WENOL METAL POLISH	WENOL	0.253	0.000	0.000	0.000		16A	08/01/94	/ /	/ /
CI12913	HIGH PURITY SILVER PASTE	SPI SUPPLIES DIV.	0.066	0.000	0.000	0.000		16A	08/01/94	/ /	/ /
CI12914	TOUCH UP PAINT	AMRAY INC.	0.000	0.004	0.000	0.000		16A	08/01/94	/ /	/ /
CI12915	HIGH VACUUM GREASE	DOW CORNING	0.125	0.000	0.000	0.000		16A	08/01/94	/ /	/ /
CI12916	REAL-TUFF TEFLON PASTE SEALANT	HERCULES CHEM. CO.	0.250	0.000	0.000	0.000		16A	08/01/94	/ /	/ /
CI12917	AMRAY DIFUSION PUMP OIL	UNK	0.000	0.000	0.000	0.000	X	16A	08/01/94	/ /	/ /

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CI12918	MR. CLEAN	PROCTOR & GAMBLE	0.000	0.219	0.000	0.000		16A	08/01/94	/ /	/ /
CI12919	ETHANOL	MOUND	0.000	0.000	0.000	0.000	X	16B	08/01/94	/ /	/ /
CI13005	SEALANT	DOW CORNING	0.188	0.000	0.000	0.000		16B	08/01/94	/ /	/ /
CI12920	WINDOW SHINE	VALLY JANITOR SUPPLY CO.	0.000	0.066	0.000	0.000		16B	08/01/94	/ /	/ /
CI12921	POL METALLPFLEGE METAL POLISH	HOHN & HOHN GMBH	0.000	0.040	0.000	0.000		16B	08/01/94	/ /	/ /
CI12922	HIGH VACUUM LEAK SEALANT	VAC SEAL KURT LESKER CO.	0.000	0.125	0.000	0.000		16B	08/01/94	/ /	/ /
CI12923	METAL POLISH	PIKAL NIHON MARYO-KOGYO	0.000	0.000	0.000	0.000		16B	08/01/94	/ /	/ /
CI12924	TRANSENE OIL	SEMTEC CORP.	0.000	0.000	0.000	0.000	X	16B	08/01/94	/ /	/ /
CI12925	MARKER BOARD CLEANER	WEBER COSTELLO	0.000	0.125	0.000	0.000		16B	08/01/94	/ /	/ /
CI12926	HIGH PURITY SILVER PAINT	SPI SUPPLIES	0.000	0.008	0.000	0.000		16B	08/01/94	/ /	/ /
CI12927	HIGH PURITY SILVER PAINT	SPI SUPPLIES	0.000	0.008	0.000	0.000		16B	08/01/94	/ /	/ /
CI12928	ARGON LINE		0.000	0.000	1.000	0.000		16B	08/01/94	/ /	/ /
CI12929	VACUUM PUMP OIL		0.000	0.000	0.000	0.000	X	16B	08/01/94	/ /	/ /
CI[illegible]930	DIFFUSION PUMP OIL		0.000	0.000	0.000	0.000	X	16B	08/01/94	/ /	/ /
[illegible]32	WINDOW SHINE	VALLEY	0.000	1.000	0.000	0.000		17	08/01/94	/ /	/ /
CI[illegible]2821	WINDOW SHINE	VALLEY	0.000	1.000	0.000	0.000		19	08/01/94	/ /	/ /
CI12822	VACUUM PUMP OIL	UNK	0.000	0.000	0.000	0.000	X	19	08/01/94	/ /	/ /
CI12823	LIQUID BONDING AGENT	THORO SYSTEMS PRODUCT	0.000	5.000	0.000	0.000		19	08/01/94	/ /	/ /
CI12824	ASPHALT & EMULSION ADHESIVE	HENRY	0.000	1.000	0.000	0.000		19	08/01/94	/ /	/ /
CI12825	ASPHALT & EMULSION ADHESIVE	HENRY	0.000	1.000	0.000	0.000		19	08/01/94	/ /	/ /
CI12826	ASPHALT & EMULSION ADHESIVE	HENRY	0.000	1.000	0.000	0.000		19	08/01/94	/ /	/ /
CI12827	ASPHALT & EMULSION ADHESIVE	HENRY	0.000	1.000	0.000	0.000		19	08/01/94	/ /	/ /
CI12832	MICRO LIQUID LAB CLEANER	COLE PARMER	0.000	1.000	0.000	0.000		19	08/01/94	/ /	/ /
CI12829	MICRO LIQUID LAB CLEANER	COLE PARMER	0.000	1.000	0.000	0.000		19	08/01/94	/ /	/ /
CI12830	MICRO LIQUID LAB CLEANER	COLE PARMER	0.000	1.000	0.000	0.000		19	08/01/94	/ /	/ /
CI12831	MICRO LIQUID LAB CLEANER	COLE PARMER	0.000	1.000	0.000	0.000		19	08/01/94	/ /	/ /
CI12833	RTV SILICONE ADHESIVE	GE	0.000	0.080	0.000	0.000		19	08/01/94	/ /	/ /
CI12834	HELIUM LINE		0.000	0.000	1.000	0.000		19	08/01/94	/ /	/ /
CI12835	NITROGEN LINE		0.000	0.000	1.000	0.000		19	08/01/94	/ /	/ /
CI12836	ARGON LINE		0.000	0.000	1.000	0.000		19	08/01/94	/ /	/ /
CI12837	ALUMINUM POLISH	MET-ALL	0.188	0.000	0.000	0.000		19	08/01/94	/ /	/ /
CI12838	1A CYLINDER DETERIUM	UNK	0.000	0.000	1.000	0.000		19	08/01/94	/ /	/ /
CI12839	PROPANE	TURNER	0.000	0.000	1.000	0.000		19	08/01/94	/ /	/ /
CI12840	NEVER-SEEZ	BOSTIK	0.009	0.000	0.000	0.000		19	08/01/94	/ /	/ /
[illegible]841	#5 SOLDER PASTE	OATEY	0.250	0.000	0.000	0.000		19	08/01/94	/ /	/ /
[illegible]289	PUMP OIL	UNK	0.000	0.000	0.000	0.000	X	2	08/01/94	/ /	/ /
CI12290	BON AMI	UNK	0.000	0.003	0.000	0.000		2	08/01/94	/ /	/ /
CI12291	MICRO CLEANING SOLUTION	INTERNATIONAL PRODUCTS	0.000	0.020	0.000	0.000		2	08/01/94	/ /	/ /

CHEMICAL INVENTORY BUILDING REPORT
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BARCODE	DESCRIPTION	MANU FACTURER	SOLID QUANTITY (POUNDS)	LIQUID QUANTITY (GALLONS)	GAS QUANTITY (CYLNDERS)	MISC. QUANTITY	UNK	ROOM	DATE ENTERED	DATE VERIFIED	DATE DISPOSED
CI12292	GLASS BEADS 270 MESH	UNK	0.000	0.026	0.000	0.000		2	08/01/94	/ /	/ /
CI12293	AEX BEADS	PAASEHE AIRBRUSH CO.	0.000	0.009	0.000	0.000		2	08/01/94	/ /	/ /
CI12294	AEX ALUMINUM OXIDE	PAASEHE AIRBRUSH CO.	0.000	0.053	0.000	0.000		2	08/01/94	/ /	/ /
CI12444	SCOURING POWDER	FITZPATRIC K BROS.	0.875	0.000	0.000	0.000		2	08/01/94	/ /	/ /
CI12445	SCOURING POWDER	FITZPATRIC K BROS.	0.875	0.000	0.000	0.000		2	08/01/94	/ /	/ /
CI12446	NOXON METAL POLISH	NOXON	0.000	0.264	0.000	0.000		2	08/01/94	/ /	/ /
CI12447	RBS 50 SURACTIF	DESBERGERS	0.000	1.320	0.000	0.000		2	08/01/94	/ /	/ /
CI12448	CONTACT CLEANER	PRECISION ELECTRONIC	0.000	0.047	0.000	0.000		2	08/01/94	/ /	/ /
CI12449	ANTISTATIC SPRAY	INMAC	0.000	0.117	0.000	0.000		2	08/01/94	/ /	/ /
CI12452	RTV	GE	0.175	0.000	0.000	0.000		2	08/01/94	/ /	/ /
CI12453	GREASE	APLEZON	0.055	0.000	0.000	0.000		2	08/01/94	/ /	/ /
CI12454	THERMAL COMPOUND	WAKEFIELD	0.125	0.000	0.000	0.000		2	08/01/94	/ /	/ /
CI12455	LOCTITE	LOCTITE	0.000	0.000	0.000	0.000	X	2	08/01/94	/ /	/ /
CI12456	VARNISH	G.C. WALS CO.	0.000	0.016	0.000	0.000		2	08/01/94	/ /	/ /
CI12457	PUMP OIL		0.000	0.000	0.000	0.000	X	2	08/01/94	/ /	/ /
CI12799	REFRIG. (FREON)		0.000	0.000	1.000	0.000		20	08/01/94	/ /	/ /
CI12762	ISOPRO ALCOHOL	MOUND	0.000	0.000	0.000	0.000	X	20	08/01/94	/ /	/ /
CI12763	PRECISION CLEANER	LPS LABS	0.000	0.000	0.000	0.000	X	20	08/01/94	/ /	/ /
CI12764	LOCTITE SEALANT	LOCTITE	0.000	0.000	0.000	0.000	X	20	08/01/94	/ /	/ /
CI12800	NITROGEN OXYGEN MIXTURE	UNK	0.000	0.000	1.000	0.000		20	08/01/94	/ /	/ /
CI12765	DMQ CLEANER	SPARTAN CHEMICAL CO.	0.000	1.000	0.000	0.000		20	08/01/94	/ /	/ /
CI12766	FREON 113	RED CAN	0.000	0.000	1.000	0.000		20	08/01/94	/ /	/ /
CI12767	NITROGEN LINES		0.000	0.000	1.000	0.000		20	08/01/94	/ /	/ /
CI12768	NITROGEN TANKS	MATHESON	0.000	0.000	1.000	0.000		20	08/01/94	/ /	/ /
CI12769	CP-70 FILTER CLEANER	POLAROID	0.000	0.008	0.000	0.000		20	08/01/94	/ /	/ /
CI12770	HELIUM	AIR PRODUCTS	0.000	0.000	1.000	0.000		20	08/01/94	/ /	/ /
CI12801	HYDRALIC FLUID		0.000	0.000	0.000	0.000	X	20	08/01/94	/ /	/ /
CI12725	GAGEKOTE 5 KIT	BEAN CO.	0.000	0.000	0.000	0.000		200	08/01/94	/ /	/ /
CI12726	910 CATALYST	BEAN CO.	0.000	0.000	0.000	0.000	X	200	08/01/94	/ /	/ /
CI12727	HIGH VACUUM GREASE	DOW CORNING	0.331	0.000	0.000	0.000		200	08/01/94	/ /	/ /
CI12728	METHANOL	MOUND SPRAY BOTTLE	0.000	0.000	0.000	0.000	X	200	08/01/94	/ /	/ /
CI12729	Z 270 ADHESIVE	OMEGA	0.000	0.008	0.000	0.000		200	08/01/94	/ /	/ /
CI12730	CA 210 SL CATALYST	BEAN CO.	0.000	0.000	0.000	0.000	X	200	08/01/94	/ /	/ /
CI12731	BATTERIES NICKEL CADIUM	EVER-READY	0.000	0.000	0.000	0.000	X	200	08/01/94	/ /	/ /
CI12732	GAGEKOTE #2 SYN.RUBBER	W.T. BEAN CO.	0.000	0.031	0.000	0.000		200	08/01/94	/ /	/ /
CI12733	GAGEKOTE NEUTRALIZER	W.T. BEAN CO.	0.000	0.031	0.000	0.000		200	08/01/94	/ /	/ /
CI12734	GAGEKOTE #1 PLASTIC COATING	W.T. BEAN CO.	0.000	0.031	0.000	0.000		200	08/01/94	/ /	/ /
CI12735	FOOT POWDER	DESSENEX	0.000	0.000	0.000	0.000	X	200	08/01/94	/ /	/ /
CI12736	ULTRA SONIC	BERRY CORP.	0.312	0.000	0.000	0.000		200	08/01/94	/ /	/ /
CI12737	VACUUM PUMP OIL	ALCATEL	0.000	0.264	0.000	0.000		200	08/01/94	/ /	/ /
CI12738	ISOP. ALCOHOL	MALLIN	0.000	1.056	0.000	0.000		200	08/01/94	/ /	/ /
CI12739	FORMULATED CLEANING CONC.	BRANSON	0.000	0.264	0.000	0.000		200	08/01/94	/ /	/ /

CHEMICAL INVENTORY BUILDING REPORT
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CI12740	PROPANE FUEL	TURNER	0.000	0.000	1.000	0.000		200	08/01/94	/ /	/ /
CI12741	PIPE SEALANT	LOCTITE	0.068	0.000	0.000	0.000		200	08/01/94	/ /	/ /
CI12742	ANTI GALLING COMP.	LOCTITE	0.000	0.000	0.000	0.000	X	200	08/01/94	/ /	/ /
CI12743	TEMPIL MARKER PAINT	TEMPIL	0.000	0.000	0.000	0.000	X	200	08/01/94	/ /	/ /
CI12744	SUL-FLO CUTTING COMP.	SUL-FLO	0.000	0.125	0.000	0.000		200	08/01/94	/ /	/ /
CI12745	NITROGEN LINE		0.000	0.000	1.000	0.000		200	08/01/94	/ /	/ /
CI12746	HYDRALIC FLUID		0.000	0.000	0.000	0.000	X	200	08/01/94	/ /	/ /
CI12747	STAY-SILV FLUX		0.000	0.000	0.000	0.000	X	200	08/01/94	/ /	/ /
CI12748	WD-40	WD-40 CO.	0.000	0.070	0.000	0.000		200	08/01/94	/ /	/ /
CI12749	ISOPROPYL ALCOHOL	MOUND	0.000	0.000	0.000	0.000	X	200	08/01/94	/ /	/ /
CI12750	ODOR-BANE	CERTIFIED	0.000	1.000	0.000	0.000		200	08/01/94	/ /	/ /
CI12751	ANTI. SKIN CLEANSER	VI-LAN DAMEROR	0.000	0.000	0.000	0.000		200	08/01/94	/ /	/ /
CI12752	LIQUID PLUMMER DRAIN OPENER	CHLOX	0.000	0.264	0.000	0.000		200	08/01/94	/ /	/ /
CI12753	QUICK SETTING GLUE	BORDEN	0.000	0.000	0.000	0.000		200	08/01/94	/ /	/ /
CI12754	PERABOND 910	LOCTITE	0.007	0.000	0.000	0.000		200	08/01/94	/ /	/ /
CI12755	ARGON LINE		0.000	0.000	1.000	0.000		200	08/01/94	/ /	/ /
CI12756	PAINT TOUCH UP	STANLY BIDMAN CORP.	0.000	0.125	0.000	0.000		200	08/01/94	/ /	/ /
CI12757	PRIMARY EXPLOSIVIES		0.000	0.000	0.000	0.000	X	200	08/01/94	/ /	/ /
CI12758	ACETYLENE		0.000	0.000	1.000	0.000		200	08/01/94	/ /	/ /
CI12759	OXYGEN		0.000	0.000	1.000	0.000		200	08/01/94	/ /	/ /
	NO CHEMICALS		0.000	0.000	0.000	0.000		201	08/01/94	/ /	/ /
	NO CHEMICALS		0.000	0.000	0.000	0.000		201A	08/01/94	/ /	/ /
	NO CHEMICALS		0.000	0.000	0.000	0.000		201A	08/01/94	/ /	/ /
	NO CHEMICALS		0.000	0.000	0.000	0.000		202	08/01/94	/ /	/ /
WM008127	ETHYLENE GLYCOL		0.000	0.132	0.000	0.000		202	09/12/95	/ /	/ /
WM008126	ETHYLENE GLYCOL		0.000	0.132	0.000	0.000		202	09/12/95	/ /	/ /
WM008125	ETHYLENE GLYCOL		0.000	0.132	0.000	0.000		202	09/12/95	/ /	/ /
WM008124	ETHYLENE GLYCOL		0.000	0.132	0.000	0.000		202	09/12/95	/ /	/ /
WM008123	ETHYLENE GLYCOL		0.000	0.132	0.000	0.000		202	09/12/95	/ /	/ /
WM008122	ETHYLENE GLYCOL		0.000	0.132	0.000	0.000		202	09/12/95	/ /	/ /
WM008121	ETHYLENE GLYCOL		0.000	0.132	0.000	0.000		202	09/12/95	/ /	/ /
WM008120	ETHYLENE GLYCOL		0.000	0.132	0.000	0.000		202	09/12/95	/ /	/ /
WM008119	ETHYLENE GLYCOL		0.000	0.132	0.000	0.000		202	09/12/95	/ /	/ /
WM008118	ETHYLENE GLYCOL		0.000	0.132	0.000	0.000		202	09/12/95	/ /	/ /
WM008117	ETHYLENE GLYCOL		0.000	0.132	0.000	0.000		202	09/12/95	/ /	/ /
WM008116	ETHYLENE GLYCOL		0.000	0.132	0.000	0.000		202	09/12/95	/ /	/ /
CI12521	CITRIC ACID MONOHYDRATE	J.T. BAKER CO.	1.101	0.000	0.000	0.000		202A	08/01/94	/ /	/ /
CI13126	WINDOW SHINE	VALLEY SUPPLY CO.	0.000	1.000	0.000	0.000		202A	08/01/94	/ /	/ /
CI13127	CYCLOHEXANE G R	E M SCIENCE	0.000	0.132	0.000	0.000		202A	08/01/94	/ /	/ /
CI13128	WD-40	WD-40 CO.	0.000	1.000	0.000	0.000		202A	08/01/94	/ /	/ /
CI13129	MOLYTOTE 321R LUB. SPRAY	DOW CORNING	0.000	0.102	0.000	0.000		202A	08/01/94	/ /	/ /
CI13130	WD-40	WD-40 CO.	0.000	0.000	0.000	0.000	X	202A	08/01/94	/ /	/ /
CI13131	ISOPROPYL ALCOHOL	RED CAN MOUND	0.000	0.000	0.000	0.000	X	202A	08/01/94	/ /	/ /
CI13132	RUST-OLEUM CLEANER	RUST-OLEUM CORP.	0.000	0.264	0.000	0.000		202A	08/01/94	/ /	/ /
CI13133	METHYL ALCOHOL	MOUND	0.000	1.500	0.000	0.000		202A	08/01/94	/ /	/ /
CI12516	BLACK INK	SANFORD	0.000	0.016	0.000	0.000		202B	08/01/94	/ /	/ /
CI12517	ERASER FLUID	KEUFFEL & ESSER CO.	0.000	0.008	0.000	0.000		202B	08/01/94	/ /	/ /
[illegible]518	MARKER BD. CLEANER	QUARTET	0.000	0.125	0.000	0.000		202B	08/01/94	/ /	/ /
CI12519	OFFICE CLEANER	3 M	0.000	0.117	0.000	0.000		202B	08/01/94	/ /	/ /
CI12520	MARKER BOARD CLEANER	WEBER COSTELLO	0.000	0.125	0.000	0.000		202B	08/01/94	/ /	/ /

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CI12845	FOGPRUF LENS SOLUTION	MINE SAFETY CO.	0.000	0.031	0.000	0.000		202C	08/01/94	/ /	/ /
CI12846	FOGPRUF LENS SOLUTION	MINE SAFETY CO.	0.000	0.031	0.000	0.000		202C	08/01/94	/ /	/ /
CI12847	FOGPRUF LENS SOLUTION	MINE SAFETY CO.	0.000	0.031	0.000	0.000		202C	08/01/94	/ /	/ /
CI12848	FOGPRUF LENS SOLUTION	MINE SAFETY CO.	0.000	0.031	0.000	0.000		202C	08/01/94	/ /	/ /
CI12849	GLASS FROSTING	ZYNOLYTE PRODUCTS	0.000	0.031	0.000	0.000		202C	08/01/94	/ /	/ /
CI12850	MARKER BD. CLEANER	WEBER COSTELLO	0.000	0.125	0.000	0.000		202C	08/01/94	/ /	/ /
CI12851	MARKER BD. CLEANER	WEBER COSTELLO	0.000	0.125	0.000	0.000		202C	08/01/94	/ /	/ /
CI12852	FREON - REFRIGERATOR		0.000	0.000	1.000	0.000		202C	08/01/94	/ /	/ /
CI12853	RED INK	HONEYWELL	0.000	0.008	0.000	0.000		202C	08/01/94	/ /	/ /
CI12854	RED INK	HONEYWELL	0.000	0.008	0.000	0.000		202C	08/01/94	/ /	/ /
CI12855	RED INK	HONEYWELL	0.000	0.031	0.000	0.000		202C	08/01/94	/ /	/ /
CI12856	BLACK INK	CARTER	0.000	0.016	0.000	0.000		202C	08/01/94	/ /	/ /
CI12857	BLACK INK	CARTER	0.000	0.016	0.000	0.000		202C	08/01/94	/ /	/ /
CI12858	FOGPROF	MINE SAFETY	0.000	0.031	0.000	0.000		202C	08/01/94	/ /	/ /
CI950175	ETHYLENE GLYCOL		0.000	0.132	0.000	0.000		202C	09/11/95	/ /	/ /
CI950176	ETHYLENE GLYCOL		0.000	0.132	0.000	0.000		202C	09/11/95	/ /	/ /
CI950177	ETHYLENE GLYCOL		0.000	0.132	0.000	0.000		202C	09/11/95	/ /	/ /
CI950178	ETHYLENE GLYCOL		0.000	0.132	0.000	0.000		202C	09/11/95	/ /	/ /
CI950179	ETHYLENE GLYCOL		0.000	0.132	0.000	0.000		202C	09/11/95	/ /	/ /
CI950180	ETHYLENE GLYCOL		0.000	0.132	0.000	0.000		202C	09/11/95	/ /	/ /
CI950181	ETHYLENE GLYCOL		0.000	0.132	0.000	0.000		202C	09/11/95	/ /	/ /
CI950182	ETHYLENE GLYCOL		0.000	0.132	0.000	0.000		202C	09/11/95	/ /	/ /
CI950183	ETHYLENE GLYCOL		0.000	0.132	0.000	0.000		202C	09/11/95	/ /	/ /
CI950184	ETHYLENE GLYCOL		0.000	0.132	0.000	0.000		202C	09/11/95	/ /	/ /
CI950185	ETHYLENE GLYCOL		0.000	0.132	0.000	0.000		202C	09/11/95	/ /	/ /
CI950186	ETHYLENE GLYCOL		0.000	0.132	0.000	0.000		202C	09/11/95	/ /	/ /
CI950187	ETHYLENE GLYCOL		0.000	0.132	0.000	0.000		202C	09/11/95	/ /	/ /
CI950188	ETHYLENE GLYCOL		0.000	0.132	0.000	0.000		202C	09/11/95	/ /	/ /
CI950189	ETHYLENE GLYCOL		0.000	0.132	0.000	0.000		202C	09/11/95	/ /	/ /
CI950190	ETHYLENE GLYCOL		0.000	0.132	0.000	0.000		202C	09/11/95	/ /	/ /
CI950191	ETHYLENE GLYCOL		0.000	0.132	0.000	0.000		202C	09/11/95	/ /	/ /
CI950192	ETHYLENE GLYCOL		0.000	0.132	0.000	0.000		202C	09/11/95	/ /	/ /
CI950193	ETHYLENE GLYCOL		0.000	0.132	0.000	0.000		202C	09/11/95	/ /	/ /
CI13001	UNKNOWN VIALS (POSS. ULTIMA GOLD)	UNK	0.000	0.000	0.000	0.000	X	202D	08/01/94	/ /	/ /
CI13002	WASP KILLER	STATE CHEMICAL MANUFACTURING CO	0.000	0.133	0.000	0.000		202D	08/01/94	/ /	/ /
CI13003	FLUORESCENT INVISIBLE DETECTION POWDER	SIRCHIE LABORATORIES CO.	0.125	0.000	0.000	0.000		202D	08/01/94	/ /	/ /
CI13004	UNK VIALS OF LIQUID	UNK	0.000	0.000	0.000	0.000	X	202D	08/01/94	/ /	/ /
CI12843	FOG PROOF	MINE SAFETY APPLIANCE	0.000	0.031	0.000	0.000		202E	08/01/94	/ /	/ /
CI12525	MARKER BOARD CLEANER	WEBER COSTELLO	0.000	0.125	0.000	0.000		202F	08/01/94	/ /	/ /
CI12526	TEXSOLVE	TEXWIPE	0.000	0.031	0.000	0.000		202F	08/01/94	/ /	/ /
CI12527	VIDEO DISPLAY CLEANER	PERFECT DATA	0.000	0.031	0.000	0.000		202F	08/01/94	/ /	/ /
CI12528	LOCTITE	LOCTITE	0.000	0.266	0.000	0.000		202F	08/01/94	/ /	/ /
CI12529	3 IN 1 OIL	3 IN ONE	0.000	0.023	0.000	0.000		202F	08/01/94	/ /	/ /

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CI12530	4 IN 1 OIL	4 IN ONE	0.000	0.031	0.000	0.000		202F	08/01/94	/ /	/ /
CI12531	UNK	UNK	0.000	0.000	0.000	0.000	X	202F	08/01/94	/ /	/ /
CI12522	VIDEO SCREEN CLEANING SOLUTION	HEWLETT PACKARD	0.000	0.031	0.000	0.000		202G	08/01/94	/ /	/ /
CI12523	FREON TF CIRCUIT COOLER	MILLER STEPHENSON	0.000	0.000	1.000	0.000		202G	08/01/94	/ /	/ /
CI12524	FREON CIRCUIT COOLER	G.C. ELECTRONIC S	0.000	0.000	1.000	0.000		202G	08/01/94	/ /	/ /
CI12275	ACETYLENE	AIRCO	0.000	0.000	1.000	0.000		204	08/01/94	/ /	/ /
CI12276	ACETYLENE	AIRCO	0.000	0.000	1.000	0.000		204	08/01/94	/ /	/ /
CI12277	OXYGEN	UNK	0.000	0.000	1.000	0.000		204	08/01/94	/ /	/ /
CI12278	CUTTING OIL	CHESTERTON	0.000	0.000	0.000	0.000	X	204	08/01/94	/ /	/ /
CI12279	POLYWATER LUBRICANT	POLYWATER	0.000	0.264	0.000	0.000		204	08/01/94	/ /	/ /
CI12280	LOCTITE	LOCTITE	0.106	0.000	0.000	0.000		204	08/01/94	/ /	/ /
CI12281	FLUX	JW HARRISON	1.000	0.000	0.000	0.000		204	08/01/94	/ /	/ /
CI12282	WD-40	WD-40	0.000	0.070	0.000	0.000		204	08/01/94	/ /	/ /
CI12283	EPOXY	COLE PARMER	0.000	0.000	0.000	0.000	X	204	08/01/94	/ /	/ /
CI12284	UNK	UNK	0.000	0.000	0.000	0.000	X	204	08/01/94	/ /	/ /
CI12285	ALCOHOL	MOUND	0.000	0.000	0.000	0.000	X	204	08/01/94	/ /	/ /
CI12286	DAP JOINT COMPOUND		12.000	0.000	0.000	0.000		204	08/01/94	/ /	/ /
CI12287	PRIMER	DAP	0.000	0.000	0.000	0.000		204	08/01/94	/ /	/ /
CI12191	MOLECULAR SIEVE		0.000	0.000	0.000	0.000	X	205	08/01/94	/ /	/ /
CI12192	PUMP OIL		0.000	0.000	0.000	0.000	X	205	08/01/94	/ /	/ /
CI12193	HIGH VACUUM LEAK SEALANT	SPACE ENVIRONMEN TAL	0.000	0.125	0.000	0.000		205	08/01/94	/ /	/ /
CI12194	HIGH VACUUM LEAK SEALANT	SPACE ENVIRONMEN TAL	0.000	0.133	0.000	0.000		205	08/01/94	/ /	/ /
CI12195	YELLOW WIRE PULLING LUBRICANT	IDEAL INDUSTRIES	0.000	0.125	0.000	0.000		205	08/01/94	/ /	/ /
CI12196	YELLOW WIRE PULLING LUBRICANT	IDEAL INDUSTRIES	0.000	0.133	0.000	0.000		205	08/01/94	/ /	/ /
CI12197	SPRAY TAP METAL CUTTING FLUID	CHEM-TECH	0.000	0.062	0.000	0.000		205	08/01/94	/ /	/ /
CI12198	PUMP OIL	UNK	0.000	0.000	0.000	0.000	X	205	08/01/94	/ /	/ /
CI12199	LEAK TEK	AMERICAN GAS & CHEMICAL	0.000	0.031	0.000	0.000		205	08/01/94	/ /	/ /
CI12200	LEAK TEK	AMERICAN GAS & CHEMICAL	0.000	0.039	0.000	0.000		205	08/01/94	/ /	/ /
CI12201	TORR SEAL PRESSURE RESIN & HARDNER	VARIAN PALO	0.174	0.000	0.000	0.000		205	08/01/94	/ /	/ /
CI12202	TORR SEAL PRESSURE RESIN & HARDNER	VARIAN PALO	0.174	0.000	0.000	0.000		205	08/01/94	/ /	/ /
CI12203	TORR SEAL PRESSURE RESIN	VARIAN ASSOCIATES	0.237	0.000	0.000	0.000		205	08/01/94	/ /	/ /
CI12204	TORR SEAL PRESSURE RESIN	VARIAN ASSOCIATES	0.299	0.000	0.000	0.000		205	08/01/94	/ /	/ /
CI12205	TORR SEAL PRESSURE RESIN	VARIAN ASSOCIATES	0.362	0.000	0.000	0.000		205	08/01/94	/ /	/ /
CI12206	GRAPHITE LUBRICANT	JOSEPH DIXON CRUCIBLE CO	0.250	0.000	0.000	0.000		205	08/01/94	/ /	/ /
CI12207	LOCTITE	LOCTITE CORP.	0.106	0.000	0.000	0.000		205	08/01/94	/ /	/ /
CI12208	LOCTITE	LOCTITE CORP.	0.106	0.000	0.000	0.000		205	08/01/94	/ /	/ /

CHEMICAL INVENTORY BUILDING REPORT
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BARCODE	DESCRIPTION	MANU FACTURER	SOLID QUANTITY (POUNDS)	LIQUID QUANTITY (GALLONS)	GAS QUANTITY (CYLNDERS)	MISC. QUANTITY	UNK	ROOM	DATE ENTERED	DATE VERIFIED	DATE DISPOSED
CI12209	APIEZON W-40 WAX	JAMES & BIDDLE CO.	0.551	0.000	0.000	0.000		205	08/01/94	/ /	/ /
CI12210	'UNK OIL ''OEL'''	FINNIGAN MAT	0.000	500.000	0.000	0.000		205	08/01/94	/ /	/ /
CI12211	LIQUID WRENCH	RADIATOR SUPPLY CO.	0.000	0.031	0.000	0.000		205	08/01/94	/ /	/ /
CI12212	FORM-A-GASKET	PERMATEX	0.000	0.031	0.000	0.000		205	08/01/94	/ /	/ /
CI12213	VAC GOOP	CRAWFORD FITTING	0.062	0.000	0.000	0.000		205	08/01/94	/ /	/ /
CI12214	LITHIUM TETRAHYDRIDE ALUMINATE	MATHESON COLEMAN	0.055	0.000	0.000	0.000		205	08/01/94	/ /	/ /
CI12215	VAC GOOP	CRAWFORD FITTING	0.062	0.000	0.000	0.000		205	08/01/94	/ /	/ /
CI12231	AIR ERASER COMPOUND	PAASCH AIRBRUSH CO.	0.375	0.000	0.000	0.000		205	08/01/94	/ /	/ /
CI12216	LOCKTITE SEALANT	LOCTITE CORP	0.000	0.002	0.000	0.000		205	08/01/94	/ /	/ /
CI12217	LO-17 OIL	BODINE ELECTRIC CO	0.000	0.000	0.000	0.000	X	205	08/01/94	/ /	/ /
CI12218	901 CORNING GLASS	UNK	0.000	0.000	0.000	0.000	X	205	08/01/94	/ /	/ /
CI12219	LUBRICATING KIT	TALLY REGISTER CORP	0.000	0.125	0.000	0.000		205	08/01/94	/ /	/ /
CI12220	THERMAL COMPOUND	WAKEFIELD	0.125	0.000	0.000	0.000		205	08/01/94	/ /	/ /
CI12221	THERMAL COMPOUND	WAKEFIELD	0.125	0.000	0.000	0.000		205	08/01/94	/ /	/ /
CI12222	TORR PRESSURE SEAL RESIN	VARIAN ASSOCIATES	0.175	0.000	0.000	0.000		205	08/01/94	/ /	/ /
CI12223	TORR PRESSURE SEAL RESIN	VARIAN ASSOCIATES	0.175	0.000	0.000	0.000		205	08/01/94	/ /	/ /
CI12224	TORR PRESSURE SEAL RESIN	VARIAN ASSOCIATES	0.175	0.000	0.000	0.000		205	08/01/94	/ /	/ /
CI12225	LITHIUM ALUMINUM DEUTERIDES	ALFA INORGANICS VENTRON	0.002	0.000	0.000	0.000		205	08/01/94	/ /	/ /
CI12226	LITHIUM ALUMINUM DEUTERIDES	K&LS LAB	0.002	0.000	0.000	0.000		205	08/01/94	/ /	/ /
CI12227	PENETRATING OIL	BORON	0.000	0.031	0.000	0.000		205	08/01/94	/ /	/ /
CI12228	ELECTRONIC CONTACT CLEANER	GC ELECTRONIC S	0.000	0.031	0.000	0.000		205	08/01/94	/ /	/ /
CI12229	ELECTRONIC CONTACT CLEANER	GC ELECTRONIC S	0.000	0.031	0.000	0.000		205	08/01/94	/ /	/ /
CI12230	HIGH VACUUM LEAK SEALANT	SPACE	0.000	0.023	0.000	0.000		205	08/01/94	/ /	/ /
CI12231	POLYPHENYL ETHER	MONSANTO	0.000	0.018	0.000	0.000		205	08/01/94	/ /	/ /
CI12243	METHANE	AIR PRODUCTS	0.000	0.000	1.000	0.000		205	08/01/94	/ /	/ /
CI12244	KRYPTON	MATHESON	0.000	0.000	1.000	0.000		205	08/01/94	/ /	/ /
CI12245	METHANE	MATHESON	0.000	0.000	1.000	0.000		205	08/01/94	/ /	/ /
CI12246	NITROGEN	UNK	0.000	0.000	1.000	0.000		205	08/01/94	/ /	/ /
CI12247	CARBON DIOXIDE	AIR PRODUCTS	0.000	0.000	1.000	0.000		205	08/01/94	/ /	/ /
CI12248	LIQUID PAPER	GILLETTE CO	0.000	0.000	0.000	0.000		205	08/01/94	/ /	/ /
CI12231	AIR ERASER COMPOUND	PAASCH AIR BRUSH CO	0.375	0.000	0.000	0.000		205	08/01/94	/ /	/ /
CI12232	AIR ERASER COMPOUND	PAASCH AIR BRUSH CO	0.000	0.000	0.000	0.000		205	08/01/94	/ /	/ /
CI12233	RTV	GE	0.000	0.000	0.000	0.000	X	205	08/01/94	/ /	/ /
CI12234	HELIUM	MATHESON	0.000	0.000	1.000	0.000		205	08/01/94	/ /	/ /

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CI12235	ARGON	MATHESON	0.000	0.000	1.000	0.000		205	08/01/94	/ /	/ /
CI12236	NITROGEN	MATHESON	0.000	0.000	1.000	0.000		205	08/01/94	/ /	/ /
CI12237	HELIUM MIXTURE	AIR PRODUCTS	0.000	0.000	1.000	0.000		205	08/01/94	/ /	/ /
CI12238	ARGON	AIR PRODUCTS	0.000	0.000	1.000	0.000		205	08/01/94	/ /	/ /
CI12239	ARGON	AIR PRODUCTS	0.000	0.000	1.000	0.000		205	08/01/94	/ /	/ /
CI12240	HELIUM GAS MIXTURE	AIR PRODUCTS	0.000	0.000	1.000	0.000		205	08/01/94	/ /	/ /
CI12241	HYDROGEN NITROGEN MIXTURE	MATHESON	0.000	0.000	1.000	0.000		205	08/01/94	/ /	/ /
CI12242	HYDROGEN	MATHESION	0.000	0.000	1.000	0.000		205	08/01/94	/ /	/ /
CI12249	LIQUID PAPER	GILLETTE CO	0.000	0.005	0.000	0.000		205	08/01/94	/ /	/ /
CI12250	THINNER	WIRTH CO	0.000	0.005	0.000	0.000		205	08/01/94	/ /	/ /
CI12251	HELIUM	AIR PRODUCTS	0.000	0.000	1.000	0.000		205	08/01/94	/ /	/ /
CI12252	DEUTERIUM	UNK	0.000	0.000	1.000	0.000		205	08/01/94	/ /	/ /
CI12253	MERCURY WASTE	UNK	0.000	0.264	0.000	0.000		205	08/01/94	/ /	/ /
CI12254	MERCURY WASTE	UNK	0.000	0.264	0.000	0.000		205	08/01/94	/ /	/ /
CI12255	MERCURY WASTE	UNK	0.000	0.079	0.000	0.000		205	08/01/94	/ /	/ /
CI12256	ACETONE	FISHER SCIENTIFIC	0.000	0.132	0.000	0.000		205	08/01/94	/ /	/ /
CI12257	ACETONE	FISHER SCIENTIFIC	0.000	0.132	0.000	0.000		205	08/01/94	/ /	/ /
CI12258	FOMBLIN PERFLUORO POLYETHER	MONTEFLUIDS	0.000	0.132	0.000	0.000		205	08/01/94	/ /	/ /
[illegible]259	FOMBLIN PERFLUORO POLYETHER	MONTEFLUIDS	0.000	0.132	0.000	0.000		205	08/01/94	/ /	/ /
CI12260	FOMBLIN PERFLUORO POLYETHER	MONTEFLUIDS	0.000	0.132	0.000	0.000		205	08/01/94	/ /	/ /
CI12261	FOMBLIN PERFLUORO POLYETHER	MONTEFLUIDS	0.000	0.132	0.000	0.000		205	08/01/94	/ /	/ /
CI12262	MICRO CLEAN SOLUTION	UNK	0.000	0.000	0.000	0.000	X	205	08/01/94	/ /	/ /
CI12263	METHANOL	MOUND	0.000	0.000	0.000	0.000	X	205	08/01/94	/ /	/ /
CI12264	SCOURING POWDER	FITZPATRICK	0.875	0.000	0.000	0.000		205	08/01/94	/ /	/ /
CI12265	WINDOW CLEANER DOOR	UNK	0.000	1.000	0.000	0.000		205	08/01/94	/ /	/ /
CI12266	RBS-50 SURFACTING	DESBERGERS	0.000	1.000	0.000	0.000		205	08/01/94	/ /	/ /
CI12267	OXYGEN	MATHESON	0.000	0.000	1.000	0.000		205	08/01/94	/ /	/ /
CI12268	ETHANE	MATHESON	0.000	0.000	1.000	0.000		205	08/01/94	/ /	/ /
CI12269	METHANE	UNK	0.000	0.000	1.000	0.000		205	08/01/94	/ /	/ /
CI12270	CARBON MONOXIDE	AIR PRODUCTS	0.000	0.000	1.000	0.000		205	08/01/94	/ /	/ /
CI12271	ZENON	MONSANTO	0.000	0.000	1.000	0.000		205	08/01/94	/ /	/ /
CI12272	KRYPTON	AIR PRODUCTS	0.000	0.000	1.000	0.000		205	08/01/94	/ /	/ /
CI12273	OXYGEN	UNK	0.000	0.000	1.000	0.000		205	08/01/94	/ /	/ /
CI12274	NEON	MATHESON	0.000	0.000	1.000	0.000		205	08/01/94	/ /	/ /
	NO CHEMICALS		0.000	0.000	0.000	0.000		206	08/01/94	/ /	/ /
CI12665	WINDOW SHINE	R&G SLOAN	0.000	1.000	0.000	0.000		208	08/01/94	/ /	/ /
CI12666	DMQ NEUTRAL DISINFECTANT CLEANER		0.000	1.000	0.000	0.000		208	08/01/94	/ /	/ /
CI12667	RUSTOLEUM CLEANER DEGREASER	SPARTIN	0.000	0.264	0.000	0.000		208	08/01/94	/ /	/ /
[illegible]668	BUTCHER ABOVE FLOOR FINISH		0.000	0.000	0.000	0.000	X	208	08/01/94	/ /	/ /
[illegible]669	NICKEL		0.000	0.000	0.000	0.000		208	08/01/94	/ /	/ /
CI12670	HELIUM LINES	CAJON	0.000	0.000	1.000	0.000		208	08/01/94	/ /	/ /
CI12683	NICKEL		0.001	0.000	0.000	0.000		208	08/01/94	/ /	/ /

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BARCODE	DESCRIPTION	MANU FACTURER	SOLID QUANTITY (POUNDS)	LIQUID QUANTITY (GALLONS)	GAS QUANTITY (CYLNDERS)	MISC. QUANTITY	U N K	ROOM	DATE ENTERED	DATE VERIFIED	DATE DISPOSED
CI12671	MOLYKNOTE GRAPHITE SPRAY	CAJON	0.000	0.102	0.000	0.000		208	08/01/94	/ /	/ /
CI12672	VACUUM PUMP OIL	MOLYKOTE	0.000	0.000	0.000	0.000	X	208	08/01/94	/ /	/ /
CI12673	DEUTERIUM		0.000	0.000	1.000	0.000		208	08/01/94	/ /	/ /
CI12674	HYDROGEN	UNK	0.000	0.000	1.000	0.000		208	08/01/94	/ /	/ /
CI12675	SILVER GOOP ANTISIEZE LUBRICANT	UNK	0.062	0.000	0.000	0.000		208	08/01/94	/ /	/ /
CI12676	2-TON EPOXY	SWAGELOCK CRAWFORD FITTING	0.000	0.000	0.000	0.000	X	208	08/01/94	/ /	/ /
CI12677	HIGH VACUUM GREASE	DEVCON	0.331	0.000	0.000	0.000		208	08/01/94	/ /	/ /
CI12678	RTV SILICON	DOW CORNING	0.144	0.000	0.000	0.000		208	08/01/94	/ /	/ /
CI12679	CUTTING FLUID	SUL-FLO	0.000	0.125	0.000	0.000		208	08/01/94	/ /	/ /
CI12680	VANE PUMP OIL		0.000	0.000	0.000	0.000	X	208	08/01/94	/ /	/ /
CI12681	NITROGEN LINES		0.000	0.000	1.000	0.000		208	08/01/94	/ /	/ /
CI12682	FOOT POWDER	DESENEX	0.094	0.000	0.000	0.000		208	08/01/94	/ /	/ /
CI12684	WR CRAYTON GREASE	DUPONT	0.500	0.000	0.000	0.000		208	08/01/94	/ /	/ /
CI12685	TORR SEAL SEALENT	TORR-SEAL	0.175	0.000	0.000	0.000		208	08/01/94	/ /	/ /
CI12686	HYDRAULIC FLUID		0.000	0.000	0.000	0.000	X	208	08/01/94	/ /	/ /
CI12687	FREOM TP-35	TEXWIPE	0.000	0.000	1.000	0.000		208	08/01/94	/ /	/ /
CI12688	GROUP PADS WIPES GOLD CLEAN	TEXWIPE	0.000	0.000	0.000	0.000	X	208	08/01/94	/ /	/ /
CI12689	TEXSOLVE	TEXWIPE	0.000	0.031	0.000	0.000		208	08/01/94	/ /	/ /
CI12690	FREOM TP-35	TEXWIPE	0.000	0.000	1.000	0.000		208	08/01/94	/ /	/ /
CI12688	GROUP PADS WIPES GOLD CLEAN	TEXWIPE	0.000	0.000	0.000	0.000	X	209	08/01/94	/ /	/ /
CI12689	TEXSOLVE	TEXWIPE	0.000	0.031	0.000	0.000		209	08/01/94	/ /	/ /
CI12690	FREON TP-35	TEX WIPE	0.000	0.000	1.000	0.000		209	08/01/94	/ /	/ /
CI12760	MARKER BOARD CLEANER	WEBER COSTELLO	0.000	0.125	0.000	0.000		20A	08/01/94	/ /	/ /
CI12761	DISINFECTANT DEORDORANT	BETCO CORP.	0.000	0.109	0.000	0.000		20A	08/01/94	/ /	/ /
[illegible]	NITROGEN	AIR PRODUCTS	0.000	0.000	1.000	0.000		20B	08/01/94	/ /	/ /
[illegible]3	HYDRAULIC FLUID		0.000	0.000	0.000	0.000	X	20B	08/01/94	/ /	/ /
[illegible]04	FREON	GENTRON	0.000	0.000	1.000	0.000		20B	08/01/94	/ /	/ /
CI12805	NITROGEN		0.000	0.000	1.000	0.000		20B	08/01/94	/ /	/ /
CI12793	VACUUM PUMP OIL		0.000	0.000	0.000	0.000	X	20C	08/01/94	/ /	/ /
CI12794	ISOPROHPYL ALCOHOL		0.000	0.000	0.000	0.000	X	20C	08/01/94	/ /	/ /
CI12795	3- IN- 1-OIL	BOYCE MIDWAY	0.000	0.000	0.000	0.000	X	20C	08/01/94	/ /	/ /
CI12796	VACUUM GREASE	DOW CORNING	0.000	0.000	0.000	0.000	X	20C	08/01/94	/ /	/ /
CI12797	HYDRAULIC FLUID		0.000	0.000	0.000	0.000	X	20C	08/01/94	/ /	/ /
CI12798	NITROGEN LINE		0.000	0.000	1.000	0.000		20C	08/01/94	/ /	/ /
CI12773	NITROGEN LINE		0.000	0.000	1.000	0.000		20D	08/01/94	/ /	/ /
CI12774	WINDOW SHINE	VALLEY SUPPLY CO.	0.000	1.000	0.000	0.000		20D	08/01/94	/ /	/ /
CI12775	GENERAL PURPOSE SEALANT	DOW CORNING	0.188	0.000	0.000	0.000		20D	08/01/94	/ /	/ /
CI12776	FLEXIBLE FOAM ADHESIVE	ILLBURCK/USA	0.000	0.000	0.000	0.000	X	20D	08/01/94	/ /	/ /
CI12777	111 VALUE LUB. & SEALANT	DOW CORNING	0.331	0.000	0.000	0.000		20D	08/01/94	/ /	/ /
CI12778	SILICONE SEALANT	DOW CORNING	0.188	0.000	0.000	0.000		20D	08/01/94	/ /	/ /
CI12779	HI VACUUM GREASE	DOW CORNING	0.331	0.000	0.000	0.000		20D	08/01/94	/ /	/ /
CI12780	RUBBING COMPOUND	CLOVER	0.000	0.000	0.000	0.000		20D	08/01/94	/ /	/ /
CI12781	FOOT POWDER	DESENEX	0.000	0.000	0.000	0.000	X	20D	08/01/94	/ /	/ /
CI12782	SLIDE WIDE CLEANER	HEWLETT PACKARD	0.000	0.023	0.000	0.000		20D	08/01/94	/ /	/ /

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CI12783	VACUUM PUMP OIL	UNK	0.000	0.000	0.000	0.000	X	20D	08/01/94	/ /	/ /
CI12784	WD-40	WD-40	0.000	0.070	0.000	0.000		20D	08/01/94	/ /	/ /
CI12785	PAINT MARKERS	NISSEN	0.000	0.000	0.000	0.000	X	20D	08/01/94	/ /	/ /
CI12786	3 IN 1 MOTOR OIL	BOYLE-MIDWAY	0.000	0.023	0.000	0.000		20D	08/01/94	/ /	/ /
CI12787	PRECISION CLEANER		0.000	0.219	0.000	0.000		20D	08/01/94	/ /	/ /
CI12788	PRE SOLVE CLEANER-DEGREASER	LPS LABS	0.000	0.117	0.000	0.000		20D	08/01/94	/ /	/ /
CI12789	HARDMAN EPOXYWIPS		0.000	0.000	0.000	0.000	X	20D	08/01/94	/ /	/ /
CI12790	WR GREASE	UNK	0.000	0.000	0.000	0.000	X	20D	08/01/94	/ /	/ /
CI12791	GRIP-CEMENT	DENTPSLY INTERNATIONAL	0.000	0.000	0.000	0.000		20D	08/01/94	/ /	/ /
CI12792	ALCOHOL	MOUND	0.000	0.000	0.000	0.000	X	20D	08/01/94	/ /	/ /
CI12771	FREON 502	UNK	0.000	0.000	1.000	0.000		20E	08/01/94	/ /	/ /
CI12772	NITROGEN LINE		0.000	0.000	1.000	0.000		20E	08/01/94	/ /	/ /
CI12808	METHYL ALCOHOL		0.000	0.066	0.000	0.000		21	08/01/94	/ /	/ /
CI12809	ISOPRO. ALCOHOL		0.000	0.066	0.000	0.000		21	08/01/94	/ /	/ /
CI12810	METHANOL	MOUND	0.000	0.132	0.000	0.000		21	08/01/94	/ /	/ /
CI12811	HYDRALIC OIL	UNK	0.000	1.000	0.000	0.000		21	08/01/94	/ /	/ /
CI12812	RTV	GENERAL ELECTRIC	0.000	0.000	0.000	0.000	X	21	08/01/94	/ /	/ /
CI12813	WD-40	WD-40	0.000	0.070	0.000	0.000		21	08/01/94	/ /	/ /
CI12814	TAP MAGIC	CRC	0.000	0.125	0.000	0.000		21	08/01/94	/ /	/ /
CI12815	LUB. OIL	UNK	0.000	0.264	0.000	0.000		21	08/01/94	/ /	/ /
CI12817	STODDARD SOLVENT TYPE # 3	STODDARD	0.000	0.000	0.000	0.000		21	08/01/94	/ /	/ /
[illegible]818	MACHINE OIL IN EQUIP.	UNK	0.000	0.000	0.000	0.000	X	21	08/01/94	/ /	/ /
CI12819	LPS # 3 RUST LUB.	LPS CORP.	0.000	0.125	0.000	0.000		21	08/01/94	/ /	/ /
CI12820	WINDOW SHINE	VALLEY SUPPLY	0.000	1.000	0.000	0.000		21	08/01/94	/ /	/ /
CII12704	LOCTITE 404 INDUSTRIAL ADHESIVE	LOCTITE	0.000	0.003	0.000	0.000		210	08/01/94	/ /	/ /
CII12705	LOCTITE WATER PROOFING SOLUTION	LOCTITE	0.000	0.008	0.000	0.000		210	08/01/94	/ /	/ /
CII12706	LOCTITE CLEANUP SOLVENT	LOCTITE	0.000	0.008	0.000	0.000		210	08/01/94	/ /	/ /
CII12707	VACUUM PUMP OIL	LOCTITE	0.000	0.000	0.000	0.000	X	210	08/01/94	/ /	/ /
CII12708	STAY-SILV	JW HARRIS	1.000	0.000	0.000	0.000		210	08/01/94	/ /	/ /
CII12709	NICKEL GASKETS	CAJON	0.000	0.000	0.000	0.000		210	08/01/94	/ /	/ /
CII12710	NICKEL GASKETS	CAJON	0.000	0.000	0.000	0.000		210	08/01/94	/ /	/ /
CII12711	EPOXY GLUE WIPES	HARDMAN	0.000	3.500	0.000	0.000		210	08/01/94	/ /	/ /
CII12712	HIGH VACUUM GREASE	DOW CORNING	0.331	0.000	0.000	0.000		210	08/01/94	/ /	/ /
CII12713	TORR SEAL	TORR SEAL VARIUM VACUUM PRODUCT	0.174	0.000	0.000	0.000		210	08/01/94	/ /	/ /
CII12714	GLASS CLEANER	VALLEY JANITOR SUPPLY CO.	0.000	1.000	0.000	0.000		210	08/01/94	/ /	/ /
CII12715	VANE PUMP OIL		0.000	0.000	0.000	0.000	X	210	08/01/94	/ /	/ /
CII12716	UN1956		0.000	0.000	0.000	0.000	X	210	08/01/94	/ /	/ /
CII12717	LIQUID NITROGEN		0.000	0.000	1.000	0.000		210	08/01/94	/ /	/ /
CII12718	ARGON		0.000	0.000	1.000	0.000		210	08/01/94	/ /	/ /
CII12719	NITROGEN		0.000	0.000	1.000	0.000		210	08/01/94	/ /	/ /
CII12720	HELIUM		0.000	0.000	1.000	0.000		210	08/01/94	/ /	/ /
CII12721	'1,1,1 TRICHLOROETHANE'		0.000	0.000	0.000	0.000	X	210	08/01/94	/ /	/ /
[illegible]12722	WD-40	WD-40 CO.	0.000	0.070	0.000	0.000		210	08/01/94	/ /	/ /
CII12723	READY MIX COMPOUND		0.000	0.000	0.000	0.000	X	210	08/01/94	/ /	/ /
CII12724	GROUP BAG OF CANS (6)		0.000	0.000	0.000	0.000	X	210	08/01/94	/ /	/ /

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CI12704	LOCTITE 404 INDUSTRIAL ADHESIVE	LOCTITE	0.000	0.002	0.000	0.000		210	08/01/94	/ /	/ /
CI12705	LOCTITE WATER PROOFING SOLUTION	LOCTITE	0.000	0.008	0.000	0.000		210	08/01/94	/ /	/ /
CI12706	LOCTITE CLEANUP SOLVENT	LOCTITE	0.000	0.008	0.000	0.000		210	08/01/94	/ /	/ /
CI12707	VACUUM PUMP OIL	LOCTITE	0.000	0.000	0.000	0.000	X	210	08/01/94	/ /	/ /
CI12708	STAY-SILV	JW HARRIS	1.000	0.000	0.000	0.000		210	08/01/94	/ /	/ /
CI12709	NICKEL GASKETS	CAJON	0.000	0.000	0.000	0.000		210	08/01/94	/ /	/ /
CI12710	NICKEL GASKETS	CAJON	0.000	0.000	0.000	0.000		210	08/01/94	/ /	/ /
CI12711	EPOXY GLUE WIPES	HARDMAN	0.000	3.500	0.000	0.000		210	08/01/94	/ /	/ /
CI12712	HIGH VACUUM GREASE	DOW CORNING	0.331	0.000	0.000	0.000		210	08/01/94	/ /	/ /
CI12713	TORR SEAL	TORR SEAL VARIUM VACUUM PRC	0.175	0.000	0.000	0.000		210	08/01/94	/ /	/ /
CI12714	GLASS CLEANER	VALLEY JANITOR SUPPLY CO	0.000	1.000	0.000	0.000		210	08/01/94	/ /	/ /
CI12715	VANE PUMP OIL		0.000	0.000	0.000	0.000	X	210	08/01/94	/ /	/ /
CI12716	UN1956		0.000	0.000	0.000	0.000	X	210	08/01/94	/ /	/ /
CI12717	LIQUID NITROGEN		0.000	0.000	1.000	0.000		210	08/01/94	/ /	/ /
CI12718	ARGON		0.000	0.000	1.000	0.000		210	08/01/94	/ /	/ /
CI12719	NITROGEN		0.000	0.000	1.000	0.000		210	08/01/94	/ /	/ /
CI12720	HELIUM		0.000	0.000	1.000	0.000		210	08/01/94	/ /	/ /
CI12721	'1,1,1-TRICHLOROET HANE'		0.000	0.000	0.000	0.000	X	210	08/01/94	/ /	/ /
CI12722	WD-40	WD-40	0.000	0.070	0.000	0.000		210	08/01/94	/ /	/ /
CI12723	READY MIX COMPOUND		0.000	0.000	0.000	0.000	X	210	08/01/94	/ /	/ /
CI12724	GROUP BAG OF CANS (6)		0.000	0.000	0.000	0.000	X	210	08/01/94	/ /	/ /
CI12698	WD-40	WD-40	0.000	1.000	0.000	0.000		210A	08/01/94	/ /	/ /
CI12699	RUBBER CEMENT	CARTERS	0.000	0.031	0.000	0.000		210A	08/01/94	/ /	/ /
CI12700	DUCO CEMENT	DEUCON	0.081	0.000	0.000	0.000		210A	08/01/94	/ /	/ /
CI12701	WINDOW SHINE	VALLEY JANITOR SUPPLY CO	0.000	1.000	0.000	0.000		210A	08/01/94	/ /	/ /
CI12702	HIGH VACUUM GREASE	DOW DORNING	0.331	0.000	0.000	0.000		210A	08/01/94	/ /	/ /
CI12703	BOND SOLVE	TRI-R CHEMICALS MARKETING INC	0.000	0.062	0.000	0.000		210A	08/01/94	/ /	/ /
CI12691	TORR SEAL	TORR SEAL VARIAN VACUUM PRO	0.000	0.000	0.000	0.000	X	210B	08/01/94	/ /	/ /
CI12692	BRASSO	RT FRENCH HOUSE HOLD PRODUCTS	0.000	0.062	0.000	0.000		210B	08/01/94	/ /	/ /
CI12693	RTV SILICONE	GE	0.175	0.000	0.000	0.000		210B	08/01/94	/ /	/ /
CI12694	PIPE-JOINT CEMENT	J.C. WHITLAM MANUF. CO	0.125	0.000	0.000	0.000		210B	08/01/94	/ /	/ /
CI12695	WINDOW CLEANER	VALLEY JANITOR SUPPLY CO	0.000	0.000	0.000	0.000	Z	210B	08/01/94	/ /	/ /
CI12696	EPOXY WIPES	HARDMAN	0.000	3.500	0.000	0.000		210B	08/01/94	/ /	/ /
CI12697	ACETYLENE CYLINDER		0.000	0.000	1.000	0.000		210B	08/01/94	/ /	/ /
CI13094	ETHYLENE GLYCOL	MCO MANUFACTUR ING CHEMISTS	0.000	0.000	0.000	0.000		212	08/01/94	/ /	/ /
CI13095		FISHER SCIENTIVIC	0.000	0.000	0.000	0.000		212	08/01/94	/ /	/ /

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CI13096	EYE SALINE CONCENTRATE	FENDALL COMPANY	0.000	1.406	0.000	0.000		212	08/01/94	/ /	/ /
CI13097	ATOM LIGHT		0.000	0.000	0.000	0.000	X	212	08/01/94	/ /	/ /
CI13098	REPIPET DISPENSERS AND DILUTERS		0.000	0.000	0.000	0.000	X	212	08/01/94	/ /	/ /
CI13099	UNK		0.000	0.000	0.000	0.000	X	212	08/01/94	/ /	/ /
CI13063	NITROGEN		0.000	0.000	1.000	0.000		212	08/01/94	/ /	/ /
CI13101	HYDRAULIC OIL	PENZOIL	0.000	2.500	0.000	0.000		212	08/01/94	/ /	/ /
CI13102	WINDOW CLEANTER	VALLEY	0.002	0.000	0.000	0.000		212	08/01/94	/ /	/ /
CI13063	NITROGEN		0.000	0.000	1.000	0.000		213	08/01/94	/ /	/ /
CI13101	HYDRAULIC OIL	PENZOIL	0.000	2.500	0.000	0.000		213	08/01/94	/ /	/ /
CI13102	WINDOW CLEANER	VALLEY	0.000	1.000	0.000	0.000		213	08/01/94	/ /	/ /
CI12869	ETHYLENE GLYCOL	FISHER SCIENTIFIC	0.000	0.132	0.000	0.000		217	08/01/94	/ /	/ /
CI12870	ETHYLENE GLYCOL	FISHER SCIENTIFIC	0.000	0.132	0.000	0.000		217	08/01/94	/ /	/ /
CI12871	ETHYLENE GLYCOL	FISHER SCIENTIFIC	0.000	0.132	0.000	0.000		217	08/01/94	/ /	/ /
CI12872	ETHYLENE GLYCOL	FISHER SCIENTIFIC	0.000	0.132	0.000	0.000		217	08/01/94	/ /	/ /
CI12873	ETHYLENE GLYCOL	FISHER SCIENTIFIC	0.000	0.132	0.000	0.000		217	08/01/94	/ /	/ /
CI12874	ETHYLENE GLYCOL	FISHER SCIENTIFIC	0.000	0.132	0.000	0.000		217	08/01/94	/ /	/ /
CI12875	ETHYLENE GLYCOL	FISHER SCIENTIFIC	0.000	0.132	0.000	0.000		217	08/01/94	/ /	/ /
CI12876	ETHYLENE GLYCOL	FISHER SCIENTIFIC	0.000	0.132	0.000	0.000		217	08/01/94	/ /	/ /
[illegible]2877	ETHYLENE GLYCOL	FISHER SCIENTIFIC	0.000	0.132	0.000	0.000		217	08/01/94	/ /	/ /
CI12878	ETHYLENE GLYCOL	FISHER SCIENTIFIC	0.000	0.132	0.000	0.000		217	08/01/94	/ /	/ /
CI12879	ETHYLENE GLYCOL	FISHER SCIENTIFIC	0.000	0.132	0.000	0.000		217	08/01/94	/ /	/ /
CI12880	WD-40	WD-40	0.000	0.070	0.000	0.000		217	08/01/94	/ /	/ /
CI12881	3 IN 1 HOUSEHOLD OIL	BOYLE MIDWAY INC	0.000	0.023	0.000	0.000		217	08/01/94	/ /	/ /
CI12882	BRISTOL'S INSTRUMENT MOTOR OIL	THE BRISTOL CO.	0.000	0.000	0.000	0.000	X	217	08/01/94	/ /	/ /
CI12883	MARKER BOARD CLEANER	WEBER COSTELLO	0.000	0.125	0.000	0.000		217	08/01/94	/ /	/ /
CI12884	MARKER BOARD CLEANER	WEBER COSTELLO	0.000	0.125	0.000	0.000		217	08/01/94	/ /	/ /
CI12885	MARKER BOARD CLEANER	WEBER COSTELLO	0.000	0.125	0.000	0.000		217	08/01/94	/ /	/ /
CI12859	LOCKED CABINET RAD MATERIAL STORAGE AREA		0.000	0.000	0.000	0.000		217	08/01/94	/ /	/ /
CI12860	FOGPRUF	MINE SAFETY APLIANCE CO	0.000	0.031	0.000	0.000		217	08/01/94	/ /	/ /
CI12861	FOGPRUF	MINE SAFETY APLIANCE CO	0.000	0.031	0.000	0.000		217	08/01/94	/ /	/ /
CI12862	FOGPRUF	MINE SAFETY APLIANCE CO	0.000	0.031	0.000	0.000		217	08/01/94	/ /	/ /
[illegible]863	FOGPRUF	MINE SAFETY APLIANCE CO	0.000	0.031	0.000	0.000		217	08/01/94	/ /	/ /

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CI12864	FOGPRUF	MINE SAFETY APLIANCE CO	0.000	0.031	0.000	0.000		217	08/01/94	/ /	/ /
CI12865	ETHYLENE GLYCOL	FISHER SCIENTIFIC	0.000	0.132	0.000	0.000		217	08/01/94	/ /	/ /
CI12866	ETHYLENE GLYCOL	FISHER SCIENTIFIC	0.000	0.132	0.000	0.000		217	08/01/94	/ /	/ /
CI12867	ETHYLENE GLYCOL	FISHER SCIENTIFIC	0.000	0.132	0.000	0.000		217	08/01/94	/ /	/ /
CI12868	ETHYLENE GLYCOL	FISHER SCIENTIFIC	0.000	0.132	0.000	0.000		217	08/01/94	/ /	/ /
CI12897	WINDOW SHINE	VALLEY JANITOR SUPPLY	0.000	0.000	0.000	0.000	X	218	08/01/94	/ /	/ /
CI12898	FOG PRUF	MINE SAFETY APPLIANCES	0.000	0.031	0.000	0.000		218	08/01/94	/ /	/ /
CI12652	LIQUID NITROGEN		0.000	0.000	1.000	0.000		219	08/01/94	/ /	/ /
CI12653	CAULKING	GE	0.631	0.000	0.000	0.000		219	08/01/94	/ /	/ /
CI12654	ARGONE LINE		0.000	0.000	1.000	0.000		219	08/01/94	/ /	/ /
CI12655	HELIUM LINE		0.000	0.000	1.000	0.000		219	08/01/94	/ /	/ /
CI12656	NITROGEN LINE		0.000	0.000	1.000	0.000		219	08/01/94	/ /	/ /
CI12657	NICKEL GASKETS	CAJON	0.000	0.000	0.000	0.000		219	08/01/94	/ /	/ /
CI12658	NICKEL GASKETS	CAJON	0.000	0.000	0.000	0.000		219	08/01/94	/ /	/ /
CI12659	HELIUM CYLINDERS		0.000	0.000	1.000	0.000		219	08/01/94	/ /	/ /
CI12660	DEUTERIUM CYLINDERS		0.000	0.000	1.000	0.000		219	08/01/94	/ /	/ /
CI12661	HYDROGEN CYLINDERS		0.000	0.000	1.000	0.000		219	08/01/94	/ /	/ /
CI12662	PUMP OIL IN GLOVE BOX		0.000	0.000	0.000	0.000	X	219	08/01/94	/ /	/ /
CI12663	HYDRAULIC FLUID IN GLOVE BOX		0.000	0.000	0.000	0.000	X	219	08/01/94	/ /	/ /
CI12664	VACUUM GREASE	DOW CORNING	0.331	0.000	0.000	0.000		219	08/01/94	/ /	/ /
CI12806	HYDRALIC FLUID		0.000	0.000	0.000	0.000	X	21A	08/01/94	/ /	/ /
CI12807	3-36-SURFACE PROTECTION CLEANER	CRC	0.000	0.117	0.000	0.000		21A	08/01/94	/ /	/ /
CI03021	FURNITURE POLISH (GLOVE BOX)	RITE OFF	0.000	0.000	0.000	0.000	X	22	08/01/94	/ /	/ /
CI03023	PROTACTIUM DRUM	WAITING-1YR	0.000	0.000	0.000	0.000	X	22	08/01/94	/ /	/ /
CI03025	TITRATION WASTE .5M HCL		0.000	0.000	0.000	0.000	X	22	08/01/94	/ /	/ /
	NO CHEMICALS FOUND		0.000	0.000	0.000	0.000		220	08/01/94	/ /	/ /
WM008267	ULTIMA GOLD		0.000	0.660	0.000	0.000		222	09/12/95	/ /	/ /
CI12585	BATTERY DISPOSAL BOX ON WALL		0.000	0.000	0.000	0.000		225	08/01/94	/ /	/ /
CI12886	AJAX JANITOR CLOSET		0.000	0.000	0.000	0.000		226J	08/01/94	/ /	/ /
CI12887	DMQ CLEANER	SPARTAN	0.000	0.000	0.000	0.000		226J	08/01/94	/ /	/ /
CI12888	BUTCHER FLOOR FINISH		0.000	0.000	0.000	0.000		226J	08/01/94	/ /	/ /
CI12889	BUTCHER MAJOR MAX		0.000	0.000	0.000	0.000		226J	08/01/94	/ /	/ /
CI12890	WINDOW SHINE		0.000	0.000	0.000	0.000	X	226J	08/01/94	/ /	/ /
CI12891	ODOR BANE	CERTIFIED INTERN	0.000	0.000	0.000	0.000	X	226J	08/01/94	/ /	/ /
CI12892	CONQUEST	CHARDON LAB	0.000	0.000	0.000	0.000	X	226J	08/01/94	/ /	/ /
CI12893	NABC	SPARTAN	0.000	0.000	0.000	0.000		226J	08/01/94	/ /	/ /
CI12894	PRO-SHINE		0.000	0.000	0.000	0.000	X	226J	08/01/94	/ /	/ /
	NO CHEMICALS FOUND		0.000	0.000	0.000	0.000		227	08/01/94	/ /	/ /
CI12556	MARKER BOARD CLEANER	WEBER COSTELLO	0.000	0.125	0.000	0.000		228	08/01/94	/ /	/ /

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CI12557	GLUE STICK	FABER CASTELL	0.046	0.000	0.000	0.000		228	08/01/94	/ /	/ /
CI12558	WD-40	WD-40	0.000	0.070	0.000	0.000		228	08/01/94	/ /	/ /
CI12559	ACRYLIC SPRAY COATING	KRYLON	0.000	0.102	0.000	0.000		228	08/01/94	/ /	/ /
CI12560	FILMITE OIL	FILMITE OIL CORP.	0.000	0.264	0.000	0.000		229	08/01/94	/ /	/ /
CI12561	FILMITE OIL	FILMITE OIL CORP.	0.000	0.528	0.000	0.000		229	08/01/94	/ /	/ /
CI12562	FILMITE OIL	FILMITE OIL CORP.	0.000	0.792	0.000	0.000		229	08/01/94	/ /	/ /
CI12563	FILMITE OIL	FILMITE OIL CORP.	0.000	1.056	0.000	0.000		229	08/01/94	/ /	/ /
CI12564	'YARDNEY SILVERCEL ELECTROLYTE ''B'''	YARDNEY ELECTRIC CORP	0.000	0.013	0.000	0.000		229	08/01/94	/ /	/ /
CI12565	'YARDNEY SILVERCEL ELECTROLYTE ''B'''	YARDNEY ELECTRIC CORP	0.000	0.013	0.000	0.000		229	08/01/94	/ /	/ /
CI12566	'YARDNEY SILVERCEL ELECTROLYTE ''B'''	YARDNEY ELECTRIC CORP	0.000	0.013	0.000	0.000		229	08/01/94	/ /	/ /
CI12567	'YARDNEY SILVERCEL ELECTROLYTE ''B'''	YARDNEY ELECTRIC CORP	0.000	0.013	0.000	0.000		229	08/01/94	/ /	/ /
CI12568	EPOXY ADHESIVE	DEVCON	0.000	0.008	0.000	0.000		229	08/01/94	/ /	/ /
CI12569	EPOXY ADHESIVE	DEVCON	0.000	0.008	0.000	0.000		229	08/01/94	/ /	/ /
CI12570	EPOXY HARDNER	DEVCON	0.062	0.000	0.000	0.000		229	08/01/94	/ /	/ /
CI12571	EPOXY	DEVCON	0.062	0.000	0.000	0.000		229	08/01/94	/ /	/ /
CI12572	AL POWDER	UNK	0.000	0.000	0.000	0.000	X	229	08/01/94	/ /	/ /
CI12573	NICKEL	CAJON	0.000	0.000	0.000	0.000		229	08/01/94	/ /	/ /
CI12574	HIGH VACUUM GREASE	DOW CORNING	0.125	0.000	0.000	0.000		229	08/01/94	/ /	/ /
CI12575	LOCKED CABINET		0.000	0.000	0.000	0.000		229	08/01/94	/ /	/ /
CI12576	LOCKED CABINET		0.000	0.000	0.000	0.000		229	08/01/94	/ /	/ /
CI12577	LOCKED CABINET		0.000	0.000	0.000	0.000		229	08/01/94	/ /	/ /
CI12578	LOCKED		0.000	0.000	0.000	0.000		229	08/01/94	/ /	/ /
WM006680	ULTIMA GOLD	FISHER	0.000	1.320	0.000	0.000		229	06/06/95	/ /	05/20/95
WM006681	ULTIMA GOLD	FISHER	0.000	1.320	0.000	0.000		229	06/06/95	/ /	/ /
WM006682	ULTIMA GOLD	FISHER	0.000	1.320	0.000	0.000		229	06/06/95	/ /	07/25/95
WM006683	ULTIMA GOLD	FISHER	0.000	1.320	0.000	0.000		229	06/06/95	/ /	07/25/95
WM006684	ULTIMA GOLD	FISHER	0.000	1.320	0.000	0.000		229	06/06/95	/ /	07/25/95
WM006685	ULTIMA GOLD	FISHER	0.000	1.320	0.000	0.000		229	06/06/95	/ /	07/25/95
WM006686	ULTIMA GOLD	FISHER	0.000	1.320	0.000	0.000		229	06/06/95	/ /	/ /
WM006687	ULTIMA GOLD	FISHER	0.000	1.320	0.000	0.000		229	06/06/95	/ /	/ /
WM006688	ULTIMA GOLD	FISHER	0.000	1.320	0.000	0.000		229	06/06/95	/ /	07/25/95
WM006689	ULTIMA GOLD	FISHER	0.000	1.320	0.000	0.000		229	06/06/95	/ /	/ /
WM006690	ULTIMA GOLD	FISHER	0.000	1.320	0.000	0.000		229	06/06/95	/ /	07/25/95
WM006691	ULTIMA GOLD	FISHER	0.000	1.320	0.000	0.000		229	06/06/95	/ /	/ /
WM006693	ULTIMA GOLD	FISHER	0.000	1.320	0.000	0.000		229	06/06/95	/ /	/ /
WM006694	ULTIMA GOLD	FISHER	0.000	1.320	0.000	0.000		229	06/06/95	/ /	/ /
WM006695	ULTIMA GOLD	FISHER	0.000	1.320	0.000	0.000		229	06/06/95	/ /	/ /
WM006696	ULTIMA GOLD	FISHER	0.000	1.320	0.000	0.000		229	06/06/95	/ /	/ /
WM006697	ULTIMA GOLD	FISHER	0.000	1.320	0.000	0.000		229	06/06/95	/ /	/ /
WM006698	ULTIMA GOLD	FISHER	0.000	1.320	0.000	0.000		229	06/06/95	/ /	/ /
WM006699	ULTIMA GOLD	FISHER	0.000	1.320	0.000	0.000		229	06/06/95	/ /	/ /
WM006700	ULTIMA GOLD	FISHER	0.000	1.320	0.000	0.000		229	06/06/95	/ /	/ /
WM005525	ULTIMA GOLD	FISHER	0.000	1.320	0.000	0.000		229	06/06/95	/ /	/ /
WM005526	ULTIMA GOLD	FISHER	0.000	1.320	0.000	0.000		229	06/06/95	/ /	07/25/95
WM005527	ULTIMA GOLD	FISHER	0.000	1.320	0.000	0.000		229	06/06/95	/ /	07/25/95
WM005528	ULTIMA GOLD	FISHER	0.000	1.320	0.000	0.000		229	06/06/95	/ /	/ /
WM005529	ULTIMA GOLD	FISHER	0.000	1.320	0.000	0.000		229	06/06/95	/ /	/ /
WM005530	ULTIMA GOLD	FISHER	0.000	1.320	0.000	0.000		229	06/06/95	/ /	/ /
WM005531	ULTIMA GOLD	FISHER	0.000	1.320	0.000	0.000		229	06/06/95	/ /	/ /

CHEMICAL INVENTORY BUILDING REPORT
BY BARCODE

BARCODE	DESCRIPTION	MANU FACTURER	SOLID QUANTITY (POUNDS)	LIQUID QUANTITY (GALLONS)	GAS QUANTITY (CYLNDERS)	MISC. QUANTITY	UNK	ROOM	DATE ENTERED	DATE VERIFIED	DATE DISPOSED
WM005532	ULTIMA GOLD	FISHER	0.000	1.320	0.000	0.000		229	06/06/95	/ /	07/25/95
WM005533	ULTIMA GOLD	FISHER	0.000	1.320	0.000	0.000		229	06/06/95	/ /	/ /
WM007305	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		229	06/06/95	/ /	07/25/95
WM007304	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		229	06/06/95	/ /	05/20/95
WM007303	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		229	06/06/95	/ /	05/20/95
WM007302	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		229	06/06/95	/ /	07/25/95
WM007301	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		229	06/06/95	/ /	07/25/95
WM007300	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		229	06/06/95	/ /	07/25/95
WM007298	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		229	06/06/95	/ /	07/25/95
WM007297	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		229	06/06/95	/ /	07/25/95
WM007296	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		229	06/06/95	/ /	07/25/95
WM007295	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		229	06/06/95	/ /	07/25/95
WM007294	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		229	06/06/95	/ /	07/13/95
WM007293	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		229	06/06/95	/ /	07/25/95
WM007292	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		229	06/06/95	/ /	07/25/95
WM007291	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		229	06/06/95	/ /	07/25/95
WM007290	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		229	06/06/95	/ /	/ /
WM007289	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		229	06/06/95	/ /	07/25/95
WM007288	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		229	06/06/95	/ /	07/13/95
WM007287	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		229	06/06/95	/ /	07/25/95
WM007286	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		229	06/06/95	/ /	07/25/95
WM007285	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		229	06/06/95	/ /	07/25/95
WM007284	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		229	06/06/95	/ /	/ /
WM007283	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		229	06/06/95	/ /	07/25/95
WM007282	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		229	06/06/95	/ /	07/25/95
WM007281	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		229	06/06/95	/ /	07/13/95
WM007280	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		229	06/06/95	/ /	07/25/95
WM007279	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		229	06/06/95	/ /	07/25/95
WM007278	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		229	06/06/95	/ /	07/25/95
WM007277	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		229	06/12/95	/ /	07/25/95
WM007276	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		229	06/12/95	/ /	07/25/95
WM007275	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		229	06/12/95	/ /	07/25/95
WM007313	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		229	06/12/95	/ /	07/25/95
WM007314	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		229	06/12/95	/ /	07/25/95
WM007312	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		229	06/12/95	/ /	07/25/95
WM007311	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		229	06/12/95	/ /	07/25/95
WM007310	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		229	06/12/95	/ /	07/25/95
WM007309	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		229	06/12/95	/ /	07/25/95
WM007308	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		229	06/12/95	/ /	07/25/95
WM007307	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		229	06/12/95	/ /	07/25/95
WM007306	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		229	06/12/95	/ /	07/25/95
WM006753	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		229	06/21/95	/ /	07/25/95
WM006752	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		229	06/21/95	/ /	/ /
WM006751	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		229	06/21/95	/ /	07/25/95
WM006750	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		229	06/21/95	/ /	07/25/95
WM006749	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		229	06/21/95	/ /	07/25/95
WM006748	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		229	06/21/95	/ /	07/25/95
WM006746	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		229	06/21/95	/ /	/ /
WM006745	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		229	06/21/95	/ /	07/25/95
WM006744	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		229	06/21/95	/ /	07/25/95
WM006743	ULTIMA GOLD	PACKARD	0.000	0.264	0.000	0.000		229	06/21/95	/ /	07/25/95
WM008268	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /
WM008266	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /
WM008265	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /
WM008264	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /
WM008263	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /
WM008191	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /
WM008192	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /
WM008193	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /
WM008194	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /
WM008195	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /
WM008196	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /
WM008197	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /
WM008198	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /

CHEMICAL INVENTORY BUILDING REPORT
BY BARCODE

BARCODE	DESCRIPTION	MANU FACTURER	SOLID QUANTITY (POUNDS)	LIQUID QUANTITY (GALLONS)	GAS QUANTITY (CYLNDERS)	MISC. QUANTITY	UNK	ROOM	DATE ENTERED	DATE VERIFIED	DATE DISPOSED
WM008199	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /
WM008200	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /
WM008201	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /
WM008202	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /
WM008203	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /
WM008204	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /
WM008205	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /
WM008206	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /
WM008207	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /
WM008208	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /
WM008209	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /
WM008210	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /
WM008187	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /
WM008188	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /
WM008189	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /
WM008190	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /
WM008185	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /
WM008186	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /
WM008183	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /
WM008184	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /
WM008182	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /
WM008181	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /
WM008179	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /
WM008180	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /
WM008155	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /
WM008156	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /
WM008164	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /
WM008163	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	11/30/95
[illegible]8162	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	11/30/95
[illegible]8161	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /
WM008160	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /
WM008159	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /
WM008157	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /
WM008158	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /
WM008165	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /
WM008166	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /
WM008167	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /
WM008168	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /
WM008177	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /
WM008178	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /
WM008169	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /
WM008170	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /
WM008171	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /
WM008172	ULTIMA GOLD		0.000	0.264	0.000	0.000		229	09/12/95	/ /	/ /
WM008173	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /
WM008174	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /
WM008175	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /
WM008176	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /
WM008137	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	11/30/95
WM008138	ULTIMA GOLD		0.000	0.660	0.000	0.000		229	09/12/95	/ /	/ /
CI950710	Ultima Gold	Packard	0.000	1.320	0.000	0.000		229	10/26/95	/ /	/ /
CI950711	Ultima Gold	Packard	0.000	1.320	0.000	0.000		229	10/26/95	/ /	/ /
CI950712	Ultima Gold	Packard	0.000	1.320	0.000	0.000		229	10/26/95	/ /	11/30/95
CI950713	Ultima Gold	Packard	0.000	1.320	0.000	0.000		229	10/26/95	/ /	11/30/95
CI950714	Ultima Gold	Packard	0.000	1.320	0.000	0.000		229	10/26/95	/ /	11/30/95
CI950715	Ultima Gold	Packard	0.000	1.320	0.000	0.000		229	10/26/95	/ /	11/30/95
CI950716	Ultima Gold	Packard	0.000	1.320	0.000	0.000		229	10/26/95	/ /	11/30/95
CI950717	Ultima Gold	Packard	0.000	1.320	0.000	0.000		229	10/26/95	/ /	11/30/95
CI950718	Ultima Gold	Packard	0.000	1.320	0.000	0.000		229	10/26/95	/ /	11/30/95
CI950719	Ultima Gold	Packard	0.000	1.320	0.000	0.000		229	10/26/95	/ /	11/30/95
[illegible]950720	Ultima Gold	Packard	0.000	1.320	0.000	0.000		229	10/26/95	/ /	/ /
[illegible]721	Ultima Gold	Packard	0.000	1.320	0.000	0.000		229	10/26/95	/ /	/ /
[illegible]722	Ultima Gold	Packard	0.000	1.320	0.000	0.000		229	10/26/95	/ /	11/30/95
CI950723	Ultima Gold	Packard	0.000	1.320	0.000	0.000		229	10/26/95	/ /	11/30/95

CHEMICAL INVENTORY BUILDING REPORT
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BARCODE	DESCRIPTION	MANU FACTURER	SOLID QUANTITY (POUNDS)	LIQUID QUANTITY (GALLONS)	GAS QUANTITY (CYLNDERS)	MISC. QUANTITY	UNK	ROOM	DATE ENTERED	DATE VERIFIED	DATE DISPOSED
CI950724	Ultima Gold	Packard	0.000	1.320	0.000	0.000		229	10/26/95	/ /	11/30/95
CI950725	Ultima Gold	Packard	0.000	1.320	0.000	0.000		229	10/26/95	/ /	11/30/95
CI950726	Ultima Gold	Packard	0.000	1.320	0.000	0.000		229	10/26/95	/ /	11/30/95
CI950727	Ultima Gold	Packard	0.000	1.320	0.000	0.000		229	10/26/95	/ /	11/30/95
CI950728	Ultima Gold	Packard	0.000	1.320	0.000	0.000		229	10/26/95	/ /	11/30/95
CI950729	Ultima Gold	Packard	0.000	1.320	0.000	0.000		229	10/26/95	/ /	11/30/95
CI950730	Ultima Gold	Packard	0.000	1.320	0.000	0.000		229	10/26/95	/ /	11/30/95
CI950731	Ultima Gold	Packard	0.000	1.320	0.000	0.000		229	10/26/95	/ /	11/30/95
CI950732	Ultima Gold	Packard	0.000	1.320	0.000	0.000		229	10/26/95	/ /	11/30/95
CI950733	Ultima Gold	Packard	0.000	1.320	0.000	0.000		229	10/26/95	/ /	11/30/95
CI950734	Ultima Gold	Packard	0.000	1.320	0.000	0.000		229	10/26/95	/ /	11/30/95
CI950735	Ultima Gold	Packard	0.000	1.320	0.000	0.000		229	10/26/95	/ /	11/30/95
CI950736	Ultima Gold	Packard	0.000	1.320	0.000	0.000		229	10/26/95	/ /	11/30/95
CI950737	Ultima Gold	Packard	0.000	1.320	0.000	0.000		229	10/26/95	/ /	11/30/95
CI950738	Ultima Gold	Packard	0.000	1.320	0.000	0.000		229	10/26/95	/ /	/ /
CI950739	Ultima Gold	Packard	0.000	1.320	0.000	0.000		229	10/26/95	/ /	11/30/95
CI13119	FOGPRUF	MINE SAFETY APPLICANCE S CO.	0.000	0.031	0.000	0.000		229A	08/01/94	/ /	/ /
CI13120	UNI PAINT MARKER	FABER CASTELL	0.000	0.039	0.000	0.000		229A	08/01/94	/ /	/ /
CI13121	UHU GLUE STICK	FABER CASTELL	0.046	0.000	0.000	0.000		229A	08/01/94	/ /	/ /
CI13122	MEAN STREAK	SANFORD	0.000	0.023	0.000	0.000		229A	08/01/94	/ /	/ /
CI13123	TOLUENE CARBON-14 \TRITIUM		0.000	0.000	0.000	0.000	X	229A	08/01/94	/ /	/ /
CI13124	PLATED 238		0.000	0.000	0.000	0.000	X	229A	08/01/94	/ /	/ /
CI12579	REFRIGERATOR FREON		0.000	0.000	1.000	0.000		229A/B	08/01/94	/ /	/ /
CI13087	WD-40	WD-40 CO.	0.000	0.070	0.000	0.000		229A/B	08/01/94	/ /	/ /
CI13088	ULTIMA GOLD	PACKARD	0.000	1.000	0.000	0.000		229A/B	08/01/94	/ /	/ /
CI13089	ISOPROPYL ALCOHOL	MOUND	0.000	0.000	0.000	0.000	X	229A/B	08/01/94	/ /	/ /
CI13090	WINDOW SHINE	VALLEY JANITOR SUPPLY CO	0.000	1.000	0.000	0.000		229A/B	08/01/94	/ /	/ /
CI13091	MINER	FOXMEYER CORP.	0.000	0.125	0.000	0.000		229A/B	08/01/94	/ /	/ /
CI13092	TOLUENE	PACKARD	0.000	0.005	0.000	0.000		229A/B	08/01/94	/ /	/ /
CI13093	HIGH VACUUM GREASE	DOW CORNING	0.331	0.000	0.000	0.000		229A/B	08/01/94	/ /	/ /
CI1114	SILICONE SEALANT	DOW CORNING	0.188	0.000	0.000	0.000		229A/B	08/01/94	/ /	/ /
CI1115	MARKERBOARD CLEANER	WEBER COSTELLO	0.000	0.125	0.000	0.000		229A/B	08/01/94	/ /	/ /
CI1116	ARGON METHANE MIXTURE	AIR PRODUCTS	0.000	0.000	1.000	0.000		229A/B	08/01/94	/ /	/ /
CI1117	RUBBER CEMENT	DENNISON CARTER'S DIVISION DENN	0.250	0.000	0.000	0.000		229A/B	08/01/94	/ /	/ /
CI1118	FOOT POWDER	FISONS	0.094	0.000	0.000	0.000		229A/B	08/01/94	/ /	/ /
CI13125	PLATED NICKEL 63		0.000	0.000	0.000	0.000	X	229A/B	08/01/94	/ /	/ /
	NO CHEMICALS FOUND		0.000	0.000	0.000	0.000		229C	08/01/94	/ /	/ /
CI12580	GLUE STICKS	FABER CASTELL	0.046	0.000	0.000	0.000		229D	08/01/94	/ /	/ /
CI12581	GLUE STICKS	FABER CASTELL	0.046	0.000	0.000	0.000		229D	08/01/94	/ /	/ /
CI12582	GLUE STICKS	FABER CASTELL	0.046	0.000	0.000	0.000		229D	08/01/94	/ /	/ /
CI12583	RADIO TV SERVICE CEMENT	GC ELECTRONIC S	0.000	0.016	0.000	0.000		229D	08/01/94	/ /	/ /
CI12584	NICKEL GASKETS	CAJON	0.000	0.000	0.000	0.000		229D	08/01/94	/ /	/ /
CI12425	VHV GLUE STICKS	FABER CASTELL	0.046	0.000	0.000	0.000		229D	08/01/94	/ /	/ /

CHEMICAL INVENTORY BUILDING REPORT
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BARCODE	DESCRIPTION	MANU FACTURER	SOLID QUANTITY (POUNDS)	LIQUID QUANTITY (GALLONS)	GAS QUANTITY (CYLNDERS)	MISC. QUANTITY	UNK	ROOM	DATE ENTERED	DATE VERIFIED	DATE DISPOSED
CI12426	NICKEL GASKES	UNK	0.000	0.000	0.000	0.000		229D	08/01/94	/ /	/ /
CI12427	EPOXY GLUE		0.000	0.000	0.000	0.000	X	229D	08/01/94	/ /	/ /
CI12428	'RADIO,TV,SERVICE CEMENT'	G C ELECTRONICS	0.000	0.016	0.000	0.000		229D	08/01/94	/ /	/ /
CI12429	APIEZON GREASE	APIEZON	0.000	0.000	0.000	0.000	X	229D	08/01/94	/ /	/ /
	NO CHEMICALS		0.000	0.000	0.000	0.000		23	08/01/94	/ /	/ /
	NO CHEMICALS		0.000	0.000	0.000	0.000		23	08/01/94	/ /	/ /
CI12593	WD-40	WD-40 CO.	0.000	0.070	0.000	0.000		230	08/01/94	/ /	/ /
CI12594	FOG PROF	MINE SAFETY APPLIANCE CO.	0.000	0.031	0.000	0.000		230	08/01/94	/ /	/ /
CI12595	CLEAR FLOOR TILE ADHESIVE	W. W. HENRY CO.	0.030	0.000	0.000	0.000		230	08/01/94	/ /	/ /
CI12596	ACOUSTI-GUM TILE ADHESIVE	W. W. HENRY CO.	0.002	0.000	0.000	0.000		230	08/01/94	/ /	/ /
CI19049	PUMP OIL		0.000	0.000	0.000	0.000	X	231	08/01/94	/ /	/ /
CI19048	ARGON		0.000	0.000	1.000	0.000		231	08/01/94	/ /	/ /
CI19047	ARGON \4% HYDROGEN		0.000	0.000	1.000	0.000		231	08/01/94	/ /	/ /
CI19046	LIQUID NITROGEN		0.000	0.000	1.000	0.000		231	08/01/94	/ /	/ /
CI19045	PROPANE TANK	TURNER	0.000	0.000	1.000	0.000		231	08/01/94	/ /	/ /
CI19044	HANDY FLUX	HANDY & HARMAN CO.	0.625	0.000	0.000	0.000		231	08/01/94	/ /	/ /
CI19043	LIQUID WRENCH	RADIATION SPECIALTY CO.	0.000	0.031	0.000	0.000		231	08/01/94	/ /	/ /
CI19042	NEVER SEEZ	NEVER SEEZ COMPOUND CORP.	0.250	0.000	0.000	0.000		231	08/01/94	/ /	/ /
	NO CHEMICALS		0.000	0.000	0.000	0.000		232	08/01/94	/ /	/ /
	NO CHEMICALS		0.000	0.000	0.000	0.000		232A	08/01/94	/ /	/ /
CI12597	WINDEX WINDOW CLEANER	THE DRACKETT PROD. CO.	0.000	0.172	0.000	0.000		232B	08/01/94	/ /	/ /
CI12598	STEEL BLUE LAYOUT FLUID	DYKEN CO.	0.000	0.094	0.000	0.000		232B	08/01/94	/ /	/ /
CI12599	SPRAY REMOVER & CLEANER	DYKEN CO.	0.000	0.125	0.000	0.000		232B	08/01/94	/ /	/ /
CI12600	NICKEL CADUIM BATTERY		0.000	0.000	0.000	0.000	X	232B	08/01/94	/ /	/ /
CI12601	NICKEL GASKETS		0.000	0.000	0.000	0.000	X	232B	08/01/94	/ /	/ /
CI12602	APIEZON T. GREASE	APIEZON	0.000	0.000	0.000	0.000	X	232B	08/01/94	/ /	/ /
CI12603	RUBBER CEMENT	SANFORD CORP.	0.000	0.031	0.000	0.000		232B	08/01/94	/ /	/ /
CI12604	APIEZON L GREASE	APIEZON	0.110	0.000	0.000	0.000		232B	08/01/94	/ /	/ /
CI12605	LEAK-LOCK	HIGHSIDE CHEMICALS INC.	0.083	0.000	0.000	0.000		232B	08/01/94	/ /	/ /
CI12606	PRUSSIAN BLUE	PERMATEY CO.	0.047	0.000	0.000	0.000		232B	08/01/94	/ /	/ /
CI12607	KRYLON	BORDEN INC.	0.000	0.102	0.000	0.000		232B	08/01/94	/ /	/ /
CI12608	MOLYKOTE BONDED COATING	DOW CORNING	0.000	0.094	0.000	0.000		232B	08/01/94	/ /	/ /
CI12609	6080 DRY MOLY LUB.	CROWN INDUST. PROD. CO.	0.000	0.125	0.000	0.000		232B	08/01/94	/ /	/ /
CI12610			0.000	0.000	0.000	0.000		232B	08/01/94	/ /	/ /
CI12611	HYDRALIC FLUID	FRED S. CARVER	0.000	0.125	0.000	0.000		232B	08/01/94	/ /	/ /
[illegible]12	HYDRALIC FLUID	FRED S. CARVER	0.000	0.125	0.000	0.000		232B	08/01/94	/ /	/ /
CI12613	VACUUM PUMP OIL	ALCATEL VACUUM PRODUCTS	0.000	0.264	0.000	0.000		233	08/01/94	/ /	/ /

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CI12614	FOOT POWDER	FISONS. CORP.	0.094	0.000	0.000	0.000		233	08/01/94	/ /	/ /
CI12615	FOG PRUF	MINE SAFETY APPLIANCE CO.	0.000	0.031	0.000	0.000		233	08/01/94	/ /	/ /
CI12616	SHINE-UP	S.C. JOHNSON & SONS INC.	0.000	0.117	0.000	0.000		233	08/01/94	/ /	/ /
CI12617	WD-40	WD-40 CO.	0.000	0.070	0.000	0.000		233	08/01/94	/ /	/ /
CI12618	HIGH VACUUM GREASE	DOW CORNING	0.331	0.000	0.000	0.000		233	08/01/94	/ /	/ /
CI12619	MARKER BOARD CLEANER	WEBER COSTELLO	0.000	0.125	0.000	0.000		233	08/01/94	/ /	/ /
CI12620	REFRIGERATOR (FREON)		0.000	0.000	1.000	0.000		233	08/01/94	/ /	/ /
CI13066	ANTI STATIC SCREEN CLEANER	TEXWIPE	0.000	0.031	0.000	0.000		234	08/01/94	/ /	/ /
CI13067	DUCO CEMENT	DEVCON	0.109	0.000	0.000	0.000		234	08/01/94	/ /	/ /
CI13068	HIGH VACUUM GREASE	DOW CORNING	0.125	0.000	0.000	0.000		234	08/01/94	/ /	/ /
CI13069	POWDER DESENEX	PENNWALT	0.094	0.000	0.000	0.000		234	08/01/94	/ /	/ /
CI13070	ARGON	AIR PRODUCTS	0.000	0.000	1.000	0.000		234	08/01/94	/ /	/ /
CI13071	ALUMINUM SHOT		0.000	0.000	0.000	0.000	X	234	08/01/94	/ /	/ /
CI13072	WINDOW CLEANER	VALLEY	0.000	1.000	0.000	0.000		234	08/01/94	/ /	/ /
CI13073	TILE & CHROME CLEANER	GEERPRES	0.000	0.264	0.000	0.000		234	08/01/94	/ /	/ /
CI13074	TILE & CHROME CLEANER	GEERPRES	0.000	0.264	0.000	0.000		234	08/01/94	/ /	/ /
CI13075	BON AMI SCOURING POWDER	BON AMI	0.875	0.000	0.000	0.000		234	08/01/94	/ /	/ /
CI13076	DISINFECTANT DEORDORANT	BETCO	0.000	0.109	0.000	0.000		234	08/01/94	/ /	/ /
CI13077	DISINFECTANT DEORDORANT	BETCO	0.000	0.109	0.000	0.000		234	08/01/94	/ /	/ /
CI13078	NAVAL JELLY	DURO	0.000	0.000	0.000	0.000		234	08/01/94	/ /	/ /
WM008456	ARGON		0.000	0.000	1.000	0.000		234	06/27/95	/ /	/ /
	NO CHEMICALS		0.000	0.000	0.000	0.000		236	08/01/94	/ /	/ /
CI12509	GLUE STICK	FABER COSTELL	0.046	0.000	0.000	0.000		237	08/01/94	/ /	/ /
CI12510	SHINE-UP	JOHNSON WAX	0.000	0.000	1.000	0.000		237	08/01/94	/ /	/ /
CI12511	FREON	DUPONT	0.000	0.000	1.000	0.000		237	08/01/94	/ /	/ /
CI12512	GENETRON 22	ALLIED CHEMICAL	0.000	0.000	1.000	0.000		237	08/01/94	/ /	/ /
CI12513	COOLANOL	MOMSANTO	0.000	5.000	0.000	0.000		237	08/01/94	/ /	10/11/95
CI12514	COOLANOL	MOMSANTO	0.000	5.000	0.000	0.000		237	08/01/94	/ /	10/11/95
CI12515	COOLANOL	MOMSANTO	0.000	5.000	0.000	0.000		237	08/01/94	/ /	10/11/95
CI19093	PUMP OIL		0.000	0.000	0.000	0.000	X	238	08/01/94	/ /	/ /
CI19092	NICKEL VCR GASKETS		0.000	0.000	0.000	0.000	X	238	08/01/94	/ /	/ /
CI19091	ARGON		0.000	0.000	1.000	0.000		238	08/01/94	/ /	/ /
CI19090	HELIUM		0.000	0.000	1.000	0.000		238	08/01/94	/ /	/ /
CI19089	NITROGEN		0.000	0.000	1.000	0.000		238	08/01/94	/ /	/ /
CI19088	GREASE GUN		0.000	0.000	0.000	0.000	X	238	08/01/94	/ /	/ /
CI19087	CHLOROTRIFLUROMETHANE	GENETRON 503	0.000	0.000	1.000	0.000		238	08/01/94	/ /	/ /
	TRIFLUOROMETHANE		0.000	0.000	0.000	0.000	X	238	08/01/94	/ /	/ /
	AZEOTROPIC MIXTURE		0.000	0.000	0.000	0.000	X	238	08/01/94	/ /	/ /
CI19086	DICHIOROD FLUOROMETHANEL		0.000	0.000	1.000	0.000		238	08/01/94	/ /	/ /
	'1,1 DIFLUOIOETHANE'		0.000	0.000	0.000	0.000	X	238	08/01/94	/ /	/ /

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CI19085	COOLANOL 20	MONSANTO	0.000	5.000	0.000	0.000		238	08/01/94	/ /	/ /
CI19084	PENETRATING OIL	BORON	0.000	0.031	0.000	0.000		238	08/01/94	/ /	/ /
CI19083	TOOL & INSTRUMENT OIL	STARRETT	0.000	0.025	0.000	0.000		238	08/01/94	/ /	/ /
CI19082	APIEZON T. GREASE	APIEZON	0.055	0.000	0.000	0.000		238	08/01/94	/ /	/ /
CI19081	UNK FKUX		0.000	0.000	0.000	0.000	X	238	08/01/94	/ /	/ /
CI19080	PROPANE FUEL	TURNER	0.000	0.000	1.000	0.000		238	08/01/94	/ /	/ /
CI19079	PROPANE FUEL	TURNER	0.000	0.000	1.000	0.000		238	08/01/94	/ /	/ /
CI19078	OMIT DUST REMOVER	CENTURY LAB	0.000	0.062	0.000	0.000		238	08/01/94	/ /	/ /
CI19077	HIGH VAC GREASE	DOW CORNING	0.125	0.000	0.000	0.000		238	08/01/94	/ /	/ /
CI19076	TAP MAGIC ALUM. INUM	TAP MAGIC	0.000	0.000	0.000	0.000		238	08/01/94	/ /	/ /
CI19075	TAP MAGIC ALUM. INUM	TAP MAGIC	0.000	0.000	0.000	0.000		238	08/01/94	/ /	/ /
CI19074	TAP MAGIC ALUM. INUM	TAP MAGIC	0.000	0.000	0.000	0.000		238	08/01/94	/ /	/ /
CI19073	STAY-CLEAN	J.W. HARRIS	0.000	0.250	0.000	0.000		238	08/01/94	/ /	/ /
CI19072	FREON		0.000	0.000	1.000	0.000		238	08/01/94	/ /	/ /
CI19071	EPOXY GLUE	DEVON	0.000	0.000	0.000	0.000	X	238	08/01/94	/ /	/ /
CI19070	COOLANT OIL		0.000	0.000	0.000	0.000	X	238	08/01/94	/ /	/ /
CI19069	VALLEY WINDOW CLEANER	VALLEY JANITOR SUPPLY CO.	0.000	1.000	0.000	0.000		238	08/01/94	/ /	/ /
CI19068	NAVEL JELLY	DURO	0.000	0.264	0.000	0.000		238	08/01/94	/ /	/ /
CI19067	MICRO CLEAN	INTERNATIO NAL PRODUCTS	0.000	0.250	0.000	0.000		238	08/01/94	/ /	/ /
CI19066	VAC GREASE	DOW CORNING	0.331	0.000	0.000	0.000		238	08/01/94	/ /	/ /
CI19065	VAC GREASE	DOW CORNING	0.331	0.000	0.000	0.000		238	08/01/94	/ /	/ /
CI19064	VAC GREASE	DOW CORNING	0.331	0.000	0.000	0.000		238	08/01/94	/ /	/ /
CI19063	AJAX FOAMING CLEANSER	COLGATE PAMOLIVE	0.875	0.000	0.000	0.000		238	08/01/94	/ /	/ /
CI19062	SCOURING POWDER	FITZPATRIC K BROTHERS	0.875	0.000	0.000	0.000		238	08/01/94	/ /	/ /
CI19061	RTV SILICONE RUBBER	G E	0.000	0.000	0.000	0.000		238	08/01/94	/ /	/ /
CI19060	ABESTOS FREE DUCK SEALER	NASHUA	5.000	0.000	0.000	0.000		238	08/01/94	/ /	/ /
CI19059	ARGON	AIR PRODUCTS	0.000	0.000	1.000	0.000		238	08/01/94	/ /	/ /
CI19058	NITROGEN	AIR PRODUCTS	0.000	0.000	1.000	0.000		238	08/01/94	/ /	/ /
CI19057	HELIUM	AIR PRODUCTS	0.000	0.000	1.000	0.000		238	08/01/94	/ /	/ /
CI19056	Z-PROPANOL ALCOHOL	FISHER SCIENTIFIC	0.000	1.056	0.000	0.000		238	08/01/94	/ /	/ /
CI19055	GAS LEAK DETECTOR	J.C. WHITLAM CO.	0.000	0.062	0.000	0.000		238	08/01/94	/ /	/ /
CI19054	SILVER GOOP	CRAWFORD FITTING CO.	0.062	0.000	0.000	0.000		238	08/01/94	/ /	/ /
CI19053	ARGON/75PPM O2	AIR PRODUCTS	0.000	0.000	1.000	0.000		238	08/01/94	/ /	/ /
CI19052	LIQUID NITROGEN		0.000	0.000	1.000	0.000		238	08/01/94	/ /	/ /
CI19051	LEAK-LOCK	HIGHSIDE CHEMICALS INC.	0.083	0.000	0.000	0.000		238	08/01/94	/ /	/ /

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CI19050	GAS LEAK	J. C. WHITLAM	0.000	0.062	0.000	0.000		238	08/01/94	/ /	/ /
CI12638	MARKER BOARD CLEANER	WEBER COSTELLO	0.000	0.125	0.000	0.000		239	08/01/94	/ /	/ /
CI19171	HELIUM	AIR PRODUCTS	0.000	0.000	1.000	0.000		240	08/01/94	/ /	/ /
CI19170	TORR SEA	BARRIAN	0.297	0.000	0.000	0.000		240	08/01/94	/ /	/ /
CI19169	NICKEL		0.000	0.000	0.000	0.000	X	240	08/01/94	/ /	/ /
CI19168	PUMP OIL		0.000	0.000	0.000	0.000	X	240	08/01/94	/ /	/ /
CI19167	VAC PUMP OIL		0.000	0.000	0.000	0.000	X	240	08/01/94	/ /	/ /
CI19166	CYCLOHEXANE IN PUMP OIL		0.000	0.000	0.000	0.000	X	240	08/01/94	/ /	/ /
CI19165	UNK CHEMICALS(GLOVE BOX)		0.000	0.000	0.000	0.000	X	240	08/01/94	/ /	/ /
CI19164	ARGON		0.000	0.000	1.000	0.000		240	08/01/94	/ /	/ /
CI19163	PYROTORENICS PYROTECNICS		0.000	0.000	0.000	0.000	X	240	08/01/94	/ /	/ /
CI19162	OAKITE 30		0.000	0.000	0.000	0.000	X	240	08/01/94	/ /	/ /
CI19161	ALUMINUM JELLY	DURO	2.000	0.000	0.000	0.000		240	08/01/94	/ /	/ /
CI19160	ALUMINUM JELLY	DURO	2.000	0.000	0.000	0.000		240	08/01/94	/ /	/ /
CI19159	ALUMINUM JELLY	DURO	2.000	0.000	0.000	0.000		240	08/01/94	/ /	/ /
CI19158	ALCLEANER ALUMINUM	ARCAIR	0.000	0.250	0.000	0.000		240	08/01/94	/ /	/ /
CI19157	POTASSIUM HYDROXIDE PELLETS	ALLIED CHEMICALS CO.	1.000	0.000	0.000	0.000		240	08/01/94	/ /	/ /
CI19156	NAVAL JELLY	DURO	1.000	0.000	0.000	0.000		240	08/01/94	/ /	/ /
CI19155	NAVAL JELLY	DURO	0.000	0.000	0.000	0.000	X	240	08/01/94	/ /	/ /
CI19154	ELECTROCYTE	ELECTROETCH	0.000	0.250	0.000	0.000		240	08/01/94	/ /	/ /
CI19153	NOXON METAL POLISH	NOXON	2.000	0.000	0.000	0.000		240	08/01/94	/ /	/ /
CI19152	METAL POLISH	BARETTS	0.000	1.000	0.000	0.000		240	08/01/94	/ /	/ /
CI19150	METAL POLISH	BARETTS	0.000	1.000	0.000	0.000		240	08/01/94	/ /	/ /
CI19149	METAL POLISH	BARETTS	0.000	1.000	0.000	0.000		240	08/01/94	/ /	/ /
CI19148	METAL POLISH	BARETTS	0.000	1.000	0.000	0.000		240	08/01/94	/ /	/ /
CI19147	METAL POLISH	BARETTS	0.000	1.000	0.000	0.000		240	08/01/94	/ /	/ /
CI19146	METAL POLISH	BARETTS	0.000	1.000	0.000	0.000		240	08/01/94	/ /	/ /
CI19145	CHRONIUM TRIOXIDE	J.T. BAKER	1.000	0.000	0.000	0.000		240	08/01/94	/ /	/ /
CI19144	CHRONIUM TRIOXIDE	J.T. BAKER	1.000	0.000	0.000	0.000		240	08/01/94	/ /	/ /
CI19143	ACETYLENE		0.000	0.000	1.000	0.000		240	08/01/94	/ /	/ /
CI19142	MOLE SEIVE		0.000	0.000	0.000	0.000	X	240	08/01/94	/ /	/ /
CI19141	LIQUID SAMPLES UNK		0.000	0.000	0.000	0.000	X	240	08/01/94	/ /	/ /
CI19140	SHELF OF UNKS	VARIOUS RAD ITEMS	0.000	0.000	0.000	0.000	X	240	08/01/94	/ /	/ /
CI19139	ANTI-GALL LUB.	FEL-PRO INC.	0.000	0.000	0.000	0.000	X	240	08/01/94	/ /	/ /
CI19138	BAG OR DETERGENTS	VARIOUS VENDONS (HOT)	0.000	0.000	0.000	0.000	X	240	08/01/94	/ /	/ /
CI19137	BAG OF CLEANERS AND LUB.	VARIOUS VENDONS (HOT)	0.000	0.000	0.000	0.000	X	240	08/01/94	/ /	/ /
CI19136	RUBBER TO METAL CEMENT	G.C. ELECTRONICS	0.000	0.000	0.000	0.000	X	240	08/01/94	/ /	/ /
CI19135	CARBON DIOXIDE LECTURE	THE MATHESON CO.	0.000	0.000	1.000	0.000		240	08/01/94	/ /	/ /
CI19134	CARBON DIOXIDE LECTURE	THE MATHESON CO.	0.000	0.000	1.000	0.000		240	08/01/94	/ /	/ /
CI19133	STAY-SILV FLUX	HARRIS	1.000	0.000	0.000	0.000		240	08/01/94	/ /	/ /
CI19132	HANDY FLUX TYPE B 1	HANDY & HARMAN	1.000	0.000	0.000	0.000		240	08/01/94	/ /	/ /

CHEMICAL INVENTORY BUILDING REPORT
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BARCODE	DESCRIPTION	MANU FACTURER	SOLID QUANTITY (POUNDS)	LIQUID QUANTITY (GALLONS)	GAS QUANTITY (CYLNDERS)	MISC. QUANTITY	UNK	ROOM	DATE ENTERED	DATE VERIFIED	DATE DISPOSED
CI19131	FLEXIBLE FOAM ADHESIVE	ILLBRUCK	0.000	0.000	0.000	0.000		240	08/01/94	/ /	/ /
CI19130	FLEXIBLE FOAM ADHESIVE	ILLBRUCK	0.000	0.000	0.000	0.000		240	08/01/94	/ /	/ /
CI19129	PACK OF VARIOUS GREASES		0.000	0.000	0.000	0.000	X	240	08/01/94	/ /	/ /
CI19128	VARIOUS ARESOL CANS		0.000	0.000	0.000	0.000	X	240	08/01/94	/ /	/ /
CI19127	MERCURY THERMOMETER		0.000	0.000	0.000	0.000	X	240	08/01/94	/ /	/ /
CI19126	VALLEY WINDOW CLEANER	VALLEY SUPPLY CO.	0.000	1.000	0.000	0.000		240	08/01/94	/ /	/ /
CI19125	VALLEY WINDOW CLEANER	VALLEY SUPPLY CO.	0.000	1.000	0.000	0.000		240	08/01/94	/ /	/ /
CI19124	THOMPSON GLASS CLEANER	THOMPSON CO.	0.000	1.000	0.000	0.000		240	08/01/94	/ /	/ /
CI19123	UNK BAG OF LIQUID BOTTLES		0.000	0.000	0.000	0.000	X	240	08/01/94	/ /	/ /
CI19122	UNK LIFT AWAY CONCENTRATE		0.000	0.000	0.000	0.000	X	240	08/01/94	/ /	/ /
CI19121	MICRO LIQUID CLEANER	INTERNATIO NAL PRODUCTS	0.000	0.250	0.000	0.000		240	08/01/94	/ /	/ /
CI19120	LEAD BRICKS		0.000	0.000	0.000	0.000	X	240	08/01/94	/ /	/ /
CI19119	UNK TOP SHELF		0.000	0.000	0.000	0.000	X	240	08/01/94	/ /	/ /
CI19118	INSECTICIDE AEROSOL	TRIO CHEMICAL WORKS	0.000	0.094	0.000	0.000		240	08/01/94	/ /	/ /
19117	PHOSPHUR P22-BLUE	GTE	0.500	0.000	0.000	0.000		240	08/01/94	/ /	/ /
19116	WD-40	WD-40 CO.	0.000	0.070	0.000	0.000		240	08/01/94	/ /	/ /
CI19115	MOLYKOTE BONDED LUB.	DOW CORNING	0.000	0.102	0.000	0.000		240	08/01/94	/ /	/ /
CI19113	MOLYKOTE BONDED LUB.	DOW CORNING	0.000	0.102	0.000	0.000		240	08/01/94	/ /	/ /
CI19112	MOLYKOTE BONDED LUB.	DOW CORNING	0.000	0.102	0.000	0.000		240	08/01/94	/ /	/ /
CI19111	MOLYKOTE BONDED LUB.	DOW CORNING	0.000	0.102	0.000	0.000		240	08/01/94	/ /	/ /
CI19110	STAY-SILV FLUX	HARRIS	1.000	0.000	0.000	0.000		240	08/01/94	/ /	/ /
CI19109	3 IN 1 MOTOR OIL	BOYLE-MIDW AY	0.000	0.023	0.000	0.000		240	08/01/94	/ /	/ /
CI19108	BAG OF MISCELLANEOUS PAINT		0.000	0.000	0.000	0.000	X	240	08/01/94	/ /	/ /
CI19107	SPRAY TAP METAL CUT. FLUID	CHEM-TECH	0.000	0.062	0.000	0.000		240	08/01/94	/ /	/ /
CI19106	SPECIAL HYDRALIC FLUID	FRED S CARVER INC.	0.000	0.125	0.000	0.000		240	08/01/94	/ /	/ /
CI19105	SULFLO	SULFLO INC.	0.000	0.125	0.000	0.000		240	08/01/94	/ /	/ /
CI19104	UNK VARIOUS CANS		0.000	0.000	0.000	0.000	X	240	08/01/94	/ /	/ /
CI19103	COOLANT OIL-25		0.000	1.000	0.000	0.000		240	08/01/94	/ /	/ /
CI19102	BAG OF PROPANE TANKS		0.000	0.000	1.000	0.000		240	08/01/94	/ /	/ /
CI19101	SILVER PAINT	ERNEST F. FULLAM	0.000	0.000	0.000	0.000	X	240	08/01/94	/ /	/ /
CI19100	CANS & PLASTIC BOTTLES UNK		0.000	0.000	0.000	0.000	X	240	08/01/94	/ /	/ /
CI19099	ACETYLENE TANK	AIR PRODUCTS	0.000	0.000	1.000	0.000		240	08/01/94	/ /	/ /
9098	ACETYLENE TANK	AIR PRODUCTS	0.000	0.000	1.000	0.000		240	08/01/94	/ /	/ /
CI19097	OXYGEN TANKS	AIR PRODUCTS	0.000	0.000	1.000	0.000		240	08/01/94	/ /	/ /

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CI19096	OXYGEN TANKS	AIR PRODUCTS	0.000	0.000	1.000	0.000		240	08/01/94	/ /	/ /
CI19095	ARGON TANK	AIR PRODUCTS	0.000	0.000	1.000	0.000		240	08/01/94	/ /	/ /
CI19094	STAY-SILV	HARRIS	0.000	0.000	0.000	0.000		240	08/01/94	/ /	/ /
CI12586	WINDOW SHINE	MOUND BOTTLE	0.000	0.000	0.000	0.000	X	241	08/01/94	/ /	/ /
CI12587	VALENCIA MIST DISINFECTANT	BOWMAN	0.000	0.130	0.000	0.000		241	08/01/94	/ /	/ /
CI12588	FOGPRUF	MINE SAFETY APPL. CO.	0.000	0.031	0.000	0.000		241	08/01/94	/ /	/ /
CI12589	FOGPRUF	MINE SAFETY APPL. CO.	0.000	0.031	0.000	0.000		241	08/01/94	/ /	/ /
CI12590	FOGPRUF	MINE SAFETY APPL. CO.	0.000	0.031	0.000	0.000		241	08/01/94	/ /	/ /
CI12591	UHU GLUE STICK	FABER CASTEL	0.046	0.000	0.000	0.000		241	08/01/94	/ /	/ /
CI12592	SILICONE RUBBER	DOW CORNING CO.	0.188	0.000	0.000	0.000		241	08/01/94	/ /	/ /
CI12430	HARMAN EPOXY GLUE WIPES	HARDMAN INCOR.	0.009	0.000	0.000	0.000		243	08/01/94	/ /	/ /
CI12431	SA-20 MOTOR OIL	BOYLE-MIDWAY	0.000	0.023	0.000	0.000		243	08/01/94	/ /	/ /
CI12432	WINDOW SHINE	VALLEY SUPPLY CO.	0.000	1.000	0.000	0.000		243	08/01/94	/ /	/ /
CI12433	TAP MAGIC CUTTING FLUID	STECO CO.	0.000	0.125	0.000	0.000		243	08/01/94	/ /	/ /
CI12434	EPOXY	3M	0.000	0.000	0.000	0.000	X	243	08/01/94	/ /	/ /
CI12435	MARKER BOARD CLEANER	QUARTET MANUF. CO.	0.000	0.125	0.000	0.000		243	08/01/94	/ /	/ /
CI12436	RTV	G E	0.000	0.078	0.000	0.000		243	08/01/94	/ /	/ /
CI12437	FOOT POWDER	DESENEX	0.094	0.000	0.000	0.000		243	08/01/94	/ /	/ /
CI12438	GLUE STICK	FABER-CASTELL	0.000	0.000	0.000	0.000	X	243	08/01/94	/ /	/ /
CI12439	2-TON EPOXY	DEVCON	0.000	0.008	0.000	0.000		243	08/01/94	/ /	/ /
WM006692	ULTIMA GOLD	FISHER	0.000	1.320	0.000	0.000		259	06/06/95	/ /	/ /
RM003244	NO CHEMICALS FOUND IN ROOM 3 CORRIDOR		0.000	0.000	0.000	0.000		3	08/01/94	/ /	/ /
	NO CHEMICALS		0.000	0.000	0.000	0.000		301D	08/01/94	/ /	/ /
CI13100	NABC	SPARTAN	0.000	0.250	0.000	0.000		4	08/01/94	/ /	/ /
CI13101	LEAK-TEC	AMERICAN GAS & CHEM.	0.000	0.047	0.000	0.000		5	08/01/94	/ /	/ /
CI13102	TURNER BATH	G C ELECTRONIC	0.000	0.062	0.000	0.000		5	08/01/94	/ /	/ /
CI13103	TRICHLOROACETIC ACID	ALDRICH CHEMICAL CO.	0.000	0.000	0.000	0.000	X	5	08/01/94	/ /	/ /
CI13104	KEL-F 3M GREASE	MINNESOTA MINING CO.	0.062	0.000	0.000	0.000		5	08/01/94	/ /	/ /
CI13105	APIEZON N GREASE	ASSOCIATED ELECTRICAL	0.000	0.000	0.000	0.000	X	5	08/01/94	/ /	/ /
CI13106	UNK GREASE	UNK	0.000	0.000	0.000	0.000	X	5	08/01/94	/ /	/ /
CI13107	MICRO CLEANING SOLUTION	COLE & PALMER	0.000	0.062	0.000	0.000		5	08/01/94	/ /	/ /
CI13108	NEUTRA CLEANING SOLUTION	CURTIN MATHESON INC.	0.000	0.031	0.000	0.000		5	08/01/94	/ /	/ /
CI13109	CONTRAD 70	CURTIN MATHESON INC.	0.000	0.031	0.000	0.000		5	08/01/94	/ /	/ /

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CI13110	NRS-250 SILICONE GREASE	NORELL CHEMICAL CO.	0.220	0.000	0.000	0.000		5	08/01/94	/ /	/ /
CI13111	DRI-CONTRAD	CURTIN MATHESON INC.	0.385	0.000	0.000	0.000		5	08/01/94	/ /	/ /
CI13112	DUCT SEALER	NASHUA	5.000	0.000	0.000	0.000		5	08/01/94	/ /	/ /
CI13113	AIR CONDITIONER FREON		0.000	0.000	1.000	0.000		5	08/01/94	/ /	/ /
CI13079	WATER CHILLERS FREON		0.000	0.000	1.000	0.000		5	08/01/94	/ /	/ /
CI13080	WATER CHILLERS FREON		0.000	0.000	1.000	0.000		5	08/01/94	/ /	/ /
CI12350	WINDOW CLEANER	UNK	0.000	0.000	0.000	0.000	X	6	08/01/94	/ /	/ /
CI12351	DISINFECTANT DEODORANT	HYSAN CORP.	0.000	0.130	0.000	0.000		6	08/01/94	/ /	/ /
CI12352	RTV	DOW CORNING	0.188	0.000	0.000	0.000		6	08/01/94	/ /	/ /
CI12353	MARKER CLEANER	OVARTET	0.000	0.062	0.000	0.000		6	08/01/94	/ /	/ /
CI12354	MARKER CLEANER	OVARTET	0.000	0.062	0.000	0.000		6	08/01/94	/ /	/ /
CI12355	MARKER CLEANER	WEBER COSTELLO	0.000	0.125	0.000	0.000		6	08/01/94	/ /	/ /
CORR.	NO CHEMICALS		0.000	0.000	0.000	0.000		6A	08/01/94	/ /	/ /
	NO CHEMICALS		0.000	0.000	0.000	0.000		7	08/01/94	/ /	/ /
	NO CHEMICALS FOUND		0.000	0.000	0.000	0.000		7	08/01/94	/ /	/ /
	NO CHEMICALS		0.000	0.000	0.000	0.000		7	08/01/94	/ /	/ /
	NO CHEMICALS FOUND		0.000	0.000	0.000	0.000		7	08/01/94	/ /	/ /
CI12346	DESSICANT	UNK	1.000	0.000	0.000	0.000		7A	08/01/94	/ /	/ /
[illegible]2347	WINDOW CLEANER	UNK	0.000	0.000	0.000	0.000	X	7A	08/01/94	/ /	/ /
[illegible]2348	WINDOW CLEANER	UNK	0.000	0.000	0.000	0.000	X	7A	08/01/94	/ /	/ /
CI12349	WINDOW CLEANER	UNK	0.000	0.000	0.000	0.000	X	7A	08/01/94	/ /	/ /
CI12011RT		GE	0.631	0.000	0.000	0.000		8	08/01/94	/ /	/ /
CI12010	COOLANT		0.000	0.000	0.000	0.000	X	8	08/01/94	/ /	/ /
CI12009	PUMPOIL		0.000	0.000	0.000	0.000	X	8	08/01/94	/ /	/ /
CI12008	ARGON	LINES IN ROOM	0.000	0.000	1.000	0.000		8	08/01/94	/ /	/ /
CI12007	NITROGEN		0.000	0.000	1.000	0.000		8	08/01/94	/ /	/ /
CI12006	HELIUM		0.000	0.000	1.000	0.000		8	08/01/94	/ /	/ /
CI12041	ALUMINUM JELLY	DURO PRODUCTS	0.000	0.125	0.000	0.000		8	08/01/94	/ /	/ /
CI12040	NAVAL JELLY	DURO PRODUCTS	0.000	0.250	0.000	0.000		8	08/01/94	/ /	/ /
CI12042	POTASSIUM HYDROXIDE	MOUND	0.000	0.000	0.000	0.000	X	8	08/01/94	/ /	/ /
CI12039	MERCURY	BETHELEM INSTRUMENTS	0.000	1.605	0.000	0.000		8	08/01/94	/ /	/ /
CI12038	LIFTAWAY	UNK	0.000	0.066	0.000	0.000		8	08/01/94	/ /	/ /
CI12037	UNK SOLUTION -VOLMETER	UNK	0.000	0.000	0.000	0.000	X	8	08/01/94	/ /	/ /
CI12036	SCOURING POWDER	FITZPATRICK BRO. INC.	0.875	0.000	0.000	0.000		8	08/01/94	/ /	/ /
CI12035	HCL	UNK	0.000	0.000	0.000	0.000	X	8	08/01/94	/ /	/ /
CI12034	UNK	UNK	0.000	0.000	0.000	0.000	X	8	08/01/94	/ /	/ /
CI12033	WD-40	WD-40	0.000	0.000	0.000	0.000	X	8	08/01/94	/ /	/ /
CI12032	NITRIC ACID	FISHER SCIENTIFIC	0.000	0.924	0.000	0.000		8	08/01/94	/ /	/ /
CI12031	SULFURIC ACID	FISHER SCIENTIFIC	0.000	0.924	0.000	0.000		8	08/01/94	/ /	/ /
CI12030	SODIUM HYDROXIDE	FISHER SCIENTIFIC	1.000	0.000	0.000	0.000		8	08/01/94	/ /	/ /
[illegible]029	SULFURIC ACID	FISHER SCIENTIFIC	0.000	0.264	0.000	0.000		8	08/01/94	/ /	/ /

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CI12028	SULFURIC ACID	FISHER SCIENTIFIC	0.000	0.264	0.000	0.000		8	08/01/94	/ /	/ /
CI12027	SULFURIC ACID	FISHER SCIENTIFIC	0.000	0.264	0.000	0.000		8	08/01/94	/ /	/ /
CI12026	SULFURIC ACID	FISHER SCIENTIFIC	0.000	0.264	0.000	0.000		8	08/01/94	/ /	/ /
CI12025	AMMONIUM HYDROXIDE	FISHER SCIENTIFIC	0.000	0.125	0.000	0.000		8	08/01/94	/ /	/ /
CI12024	HYDROGEN PEROXIDE	BAKER CHEMICAL	0.000	0.125	0.000	0.000		8	08/01/94	/ /	/ /
CI12023	UNK	UNK	0.000	0.000	0.000	0.000	X	8	08/01/94	/ /	/ /
CI12022	ACETIC ACID	FISHER SCIENTIFIC	0.000	0.125	0.000	0.000		8	08/01/94	/ /	/ /
CI12021	LOCKED CABINET		0.000	0.000	0.000	0.000		8	08/01/94	/ /	/ /
CI12020	LOCKED CABINET		0.000	0.000	0.000	0.000		8	08/01/94	/ /	/ /
CI12019	CYCLOHEXANE	MALLINCKRODT	0.000	0.132	0.000	0.000		8	08/01/94	/ /	/ /
CI12016	MOLECULAR SEIVE		0.000	0.000	0.000	0.000	X	8	08/01/94	/ /	/ /
CI12015	WD-40	WD-40	0.000	0.070	0.000	0.000		8	08/01/94	/ /	/ /
CI12014	STAY FLUX	HARRIS	1.000	0.000	0.000	0.000		8	08/01/94	/ /	/ /
CI12013	SILVER FLUX	HARRIS	1.000	0.000	0.000	0.000		8	08/01/94	/ /	/ /
CI12012	SILVER FLUX	HARRIS	1.000	0.000	0.000	0.000		8	08/01/94	/ /	/ /
CI12011	CATALYST	MSA	0.000	0.000	0.000	0.000	X	8	08/01/94	/ /	/ /
CI12078	CHLORODIFLUROMETHINE	GENTRON 502	0.000	0.000	1.000	0.000		8	08/01/94	/ /	/ /
CI12077	CHLORODIFLUROMETHINE	GENTRON 503	0.000	0.000	1.000	0.000		8	08/01/94	/ /	/ /
CI12076	COOLANOL WASTE	UNK	0.000	0.000	0.000	0.000	X	8	08/01/94	/ /	/ /
CI12043	WD-40	WD-40	0.000	0.070	0.000	0.000		8	08/01/94	/ /	/ /
CI12044	WD-40	WD-40	0.000	0.070	0.000	0.000		8	08/01/94	/ /	/ /
CI12045	WD-40	WD-40	0.000	0.070	0.000	0.000		8	08/01/94	/ /	/ /
CI12046	WD-40	WD-40	0.000	0.070	0.000	0.000		8	08/01/94	/ /	/ /
CI12047	ZERO 115 REF. OIL	CALGON VESTAL LAB	0.000	1.000	0.000	0.000		8	08/01/94	/ /	/ /
CI12048	RUBATEX ADHESIVE	RUBATEX	0.000	0.125	0.000	0.000		8	08/01/94	/ /	/ /
CI12049	RMC	UNIVAL CORP.	0.000	0.117	0.000	0.000		8	08/01/94	/ /	/ /
CI12050	LIGHT OIL #58	EAGLE MFG. C O.	0.000	0.039	0.000	0.000		8	08/01/94	/ /	/ /
CI12051	RADIAC WASH SPRAY FOAM	ATOMIC PRODUCTS	0.000	0.000	1.000	0.000		8	08/01/94	/ /	/ /
CI12052	RADIAC WASH SPRAY FOAM	ATOMIC PRODUCTS	0.000	0.000	1.000	0.000		8	08/01/94	/ /	/ /
CI12053	LIFT AWAY	RESEARCH PRODUCT	0.000	0.141	0.000	0.000		8	08/01/94	/ /	/ /
CI12054	KRYLON ACRYLIC SPRAY	BORDON	0.000	0.102	0.000	0.000		8	08/01/94	/ /	/ /
CI12055	3-IN-ONE	BOYLE-MIDWAY	0.000	0.023	0.000	0.000		8	08/01/94	/ /	/ /
CI12056	HB-1 SPRAY TAP	CHEM-TECH INC.	0.000	0.062	0.000	0.000		8	08/01/94	/ /	/ /
CI12057	ZEROL 150 REF. OIL	CALGON VESTAL PRO.	0.000	1.000	0.000	0.000		8	08/01/94	/ /	/ /
CI12058	CROWN TOOLMAKERS INK	CROWN IND. PRODUCTS	0.000	0.094	0.000	0.000		8	08/01/94	/ /	/ /
CI12059	TAP MAGIC	STECO CORP.	0.000	0.125	0.000	0.000		8	08/01/94	/ /	/ /
CI12060	RUST BLOK	BIRCHWOOD CASEX	0.000	0.047	0.000	0.000		8	08/01/94	/ /	/ /
CI12061	OS 124 PROPHENYL ETHER	MONSANTO	0.000	1.000	0.000	0.000		8	08/01/94	/ /	/ /
CI12062	CASTING RESIN	CHEMCO	0.000	1.000	0.000	0.000		8	08/01/94	/ /	/ /
CI12063	LIQUID HARDENER	CHEMCO	0.000	0.008	0.000	0.000		8	08/01/94	/ /	/ /

CHEMICAL INVENTORY BUILDING REPORT
BY BARCODE

BARCODE	DESCRIPTION	MANU FACTURER	SOLID QUANTITY (POUNDS)	LIQUID QUANTITY (GALLONS)	GAS QUANTITY (CYLNDERS)	MISC. QUANTITY	UNK	ROOM	DATE ENTERED	DATE VERIFIED	DATE DISPOSED
CI12064	WATER LOX SEALER	WATERLOX	0.000	1.000	0.000	0.000		8	08/01/94	/ /	/ /
CI12065	LEAK-TEC	AMERICAN GAS & CHEM.	0.000	0.031	0.000	0.000		8	08/01/94	/ /	/ /
CI12066	POLYETHYLENE	FISHER SCIENTIFIC	0.000	0.066	0.000	0.000		8	08/01/94	/ /	/ /
CI12067	DOW CORNING 704 FLUID	DOW CORNING	0.000	0.132	0.000	0.000		8	08/01/94	/ /	/ /
CI12068	OCTOIL DIOCTYLPHTHALATE	PRODUCTS INC.	0.000	0.132	0.000	0.000		8	08/01/94	/ /	/ /
CI12069	DOW CORNING 704 FLUID	DOW CORNING	0.000	0.132	0.000	0.000		8	08/01/94	/ /	/ /
CI12070	METHYL ALCOHOL	MALLINCKRODT	0.000	0.132	0.000	0.000		8	08/01/94	/ /	/ /
CI12071	CYCLOHEXANE	FISHER SCIENTIFIC	0.000	0.000	0.000	0.000		8	08/01/94	/ /	/ /
CI12072	WINDOW SHINE	VALLEY JANITOR	0.000	0.264	0.000	0.000		8	08/01/94	/ /	/ /
CI12073	WINDOW SHINE	VALLEY JANITOR	0.000	0.264	0.000	0.000		8	08/01/94	/ /	/ /
CI12083	LIFTAWAY	RESEARCH PRODUCTS	0.000	1.000	0.000	0.000		8	08/01/94	/ /	/ /
CI12084	LIFTAWAY	RESEARCH PRODUCTS	0.000	1.000	0.000	0.000		8	08/01/94	/ /	/ /
CI12085	FLOORO GLIDE ANTISTICK	CHEMPLAST	0.000	0.125	0.000	0.000		8	08/01/94	/ /	/ /
CI12086	FLOORO GLIDE ANTISTICK	CHEMPLAST	0.000	0.125	0.000	0.000		8	08/01/94	/ /	/ /
[illegible]2087	FLOORO GLIDE ANTISTICK	CHEMPLAST	0.000	0.125	0.000	0.000		8	08/01/94	/ /	/ /
CI12088	FLOORO GLIDE ANTISTICK	CHEMPLAST	0.000	0.125	0.000	0.000		8	08/01/94	/ /	/ /
CI12089	FLOORO GLIDE ANTISTICK	CHEMPLAST	0.000	0.125	0.000	0.000		8	08/01/94	/ /	/ /
CI12090	OCTOIL 4510-051	UNK	0.000	0.026	0.000	0.000		8	08/01/94	/ /	/ /
CI12091	OCTOIL 4510-051	UNK	0.000	0.026	0.000	0.000		8	08/01/94	/ /	/ /
CI12092	WASTE CONTAINER RED CAN	UNK	0.000	0.000	0.000	0.000	X	8	08/01/94	/ /	/ /
CI12093	WASTE CONTAINER RED CAN	UNK	0.000	0.000	0.000	0.000	X	8	08/01/94	/ /	/ /
CII12010	COOLANT	UNK	0.000	0.000	0.000	0.000	X	8	08/01/94	/ /	/ /
CI12082	LEAK-DETECTOR FLUID	WATSCO	0.000	0.031	0.000	0.000		8A	08/01/94	/ /	/ /
CI12082	BLOC.IT HEAT ABSORB.PASTE	LA-CO	0.625	0.000	0.000	0.000		8A	08/01/94	/ /	/ /
CI12081	LEAK-DETECTOR FLUID	WATSCO	0.000	0.031	0.000	0.000		8A	08/01/94	/ /	/ /
CI12082	LEAK-DETECTOR FLUID	WATSCO	0.000	0.031	0.000	0.000		8A	08/01/94	/ /	/ /
CI12079	STAY-SLIV		0.000	0.000	0.000	0.000	X	8A	08/01/94	/ /	/ /
CI12075	'503,502, COOLANOL'		0.000	0.000	0.000	0.000	X	8A	08/01/94	/ /	/ /
CI12074	PUMP-OIL		0.000	0.000	0.000	0.000	X	8A	08/01/94	/ /	/ /
CI500120	Coolanol 25R	Chevron	0.000	5.000	0.000	0.000		8A	10/26/95	/ /	/ /
CI500121	Coolanol 25R	Chevron	0.000	5.000	0.000	0.000		8A	10/26/95	/ /	/ /
CI500122	Coolanol 25R	Chevron	0.000	1.000	0.000	0.000		8A	10/26/95	/ /	/ /
CI501030	Coolanol 25R	Chevron	0.000	1.000	0.000	0.000		8A	10/26/95	/ /	/ /
CI12533	ARGON		0.000	0.000	1.000	0.000		9	08/01/94	/ /	/ /
CI12534	NITROGEN		0.000	0.000	1.000	0.000		9	08/01/94	/ /	/ /
CI12535	HELIUM		0.000	0.000	1.000	0.000		9	08/01/94	/ /	/ /
[illegible]12536	VALLEY WINDOW CLEANER	VALLEY	0.000	1.000	0.000	0.000		9	08/01/94	/ /	/ /
[illegible]2537	NAVAL JELLY	DURO	0.000	0.000	0.000	0.000	X	9	08/01/94	/ /	/ /
CI12538	DESENEX	PENWALT	0.094	0.000	0.000	0.000		9	08/01/94	/ /	/ /

CHEMICAL INVENTORY BUILDING REPORT
BY BARCODE

BARCODE	DESCRIPTION	MANU FACTURER	SOLID QUANTITY (POUNDS)	LIQUID QUANTITY (GALLONS)	GAS QUANTITY (CYLNDERS)	MISC. QUANTITY	UNK	ROOM	DATE ENTERED	DATE VERIFIED	DATE DISPOSED
CI12539	SCOURING POWDER	BABBITT PRODUCTS	0.875	0.000	0.000	0.000		9	08/01/94	/ /	/ /
CI12540	PUMP OIL		0.000	0.000	0.000	0.000	X	9	08/01/94	/ /	/ /
CI12541	NITROGEN		0.000	0.000	1.000	0.000		9	08/01/94	/ /	/ /
CI12542	FREON		0.000	0.000	1.000	0.000		9	08/01/94	/ /	/ /
CI12543	PAINT	BRUNING	0.000	1.000	0.000	0.000		9	08/01/94	/ /	/ /
CI12544	PAINT	BRUNING	0.000	1.000	0.000	0.000		9	08/01/94	/ /	/ /
CI12545	PAINT	BANEX	0.000	1.000	0.000	0.000		9	08/01/94	/ /	/ /
CI12546	RUBBER SILICON		0.000	0.000	0.000	0.000	X	9	08/01/94	/ /	/ /
CI12547	ISOPROPHYL ALCOHOL		0.000	0.000	0.000	0.000	X	9	08/01/94	/ /	/ /
CI12632	EMPTY CYLINDERS	PICKUP STATION	0.000	0.000	0.000	0.000		DOCK	08/01/94	/ /	/ /
CI12633	OIL	TEXACO INC.	0.000	5.000	0.000	0.000		DOCK	08/01/94	/ /	/ /
3533	NITROGEN	AIR PRODUCTS	0.000	0.000	1.000	0.000		O/S	08/01/94	/ /	/ /
3532	NITROGEN	AIR PRODUCTS	0.000	0.000	1.000	0.000		O/S	08/01/94	/ /	/ /
3531	NITROGEN	AIR PRODUCTS	0.000	0.000	1.000	0.000		O/S	08/01/94	/ /	/ /
3530	NITROGEN	AIR PRODUCTS	0.000	0.000	1.000	0.000		O/S	08/01/94	/ /	/ /
3529	NITROGEN	AIR PRODUCTS	0.000	0.000	1.000	0.000		O/S	08/01/94	/ /	/ /
3528	VACUUM PUMP	WELCH	0.000	0.000	0.000	0.000	X	O/S	08/01/94	/ /	/ /
3526	~~PUMP OIL~~	INLAND 19	0.000	1.056	0.000	0.000		O/S	08/01/94	/ /	/ /
3527		DUO SEAL	0.000	0.264	0.000	0.000		O/S	08/01/94	/ /	/ /
3520	METHANE ARGON MIX	AIR PRODUCTS	0.000	0.000	1.000	0.000		O/S	08/01/94	/ /	/ /
3521	METHANE ARGON MIX	AIR PRODUCTS	0.000	0.000	1.000	0.000		O/S	08/01/94	/ /	/ /
3522	METHANE ARGON MIX	AIR PRODUCTS	0.000	0.000	1.000	0.000		O/S	08/01/94	/ /	/ /
3523	METHANE ARGON MIX	AIR PRODUCTS	0.000	0.000	1.000	0.000		O/S	08/01/94	/ /	/ /
3524	METHANE ARGON MIX	AIR PRODUCTS	0.000	0.000	1.000	0.000		O/S	08/01/94	/ /	/ /
3525	METHANE ARGON MIX	AIR PRODUCTS	0.000	0.000	1.000	0.000		O/S	08/01/94	/ /	/ /
CI15198	OXYGEN	AIR PRODUCTS	0.000	0.000	1.000	0.000		O/S	08/01/94	/ /	/ /
CI15199	ARGON	AIR PRODUCTS	0.000	0.000	1.000	0.000		O/S	08/01/94	/ /	12/14/94
RM002021	NO CHEMICALS		0.000	0.000	0.000	0.000		P	08/01/94	/ /	/ /
CI15205	VACUUM PUMP	WELCH	0.000	0.000	0.000	0.000	X	PEN/H	08/01/94	/ /	/ /
CI15206		RITCHIC	0.000	0.000	0.000	0.000	X	PEN/H	08/01/94	/ /	/ /
CI15207	R-12	ALLIED SIGNAL	0.000	0.000	0.000	0.000	X	PEN/H	08/01/94	/ /	/ /
CI15208	502 FREON	ALLIED SIGNAL	0.000	0.000	1.000	0.000		PEN/H	08/01/94	/ /	/ /
CI15209	AIR COND. UNIT FREON	4 LARGE COMP.	0.000	0.000	1.000	0.000		PEN/H	08/01/94	/ /	/ /
CI15210	WIRE PULLER LUBE	IDEAL INDUSTRIES	0.000	0.094	0.000	0.000		PEN/H	08/01/94	/ /	/ /
CI15211	COOLANOL	MONSANTO	0.000	0.001	0.000	0.000		PEN/H	08/01/94	/ /	10/11/95
CI15212	COOLANOL	MONSANTO	0.000	0.001	0.000	0.000		PEN/H	08/01/94	/ /	10/11/95
CI15213	COOLANOL	MONSANTO	0.000	0.001	0.000	0.000		PEN/H	08/01/94	/ /	10/11/95
CI15214	FREON	WORTHINGTON	0.000	0.000	1.000	0.000		PEN/H	08/01/94	/ /	/ /
CI15215	COOLANOL	MONSANTO	0.000	5.000	0.000	0.000		PEN/H	08/01/94	/ /	/ /
CI15216	FLUX	STAY CLEAN	0.000	0.250	0.000	0.000		PEN/H	08/01/94	/ /	/ /
CI15217	UNK	UNK	0.000	0.000	0.000	0.000	X	PEN/H	08/01/94	/ /	/ /
CI15218	UNK OIL	UNK	0.000	0.000	0.000	0.000	X	PEN/H	08/01/94	/ /	/ /

CHEMICAL INVENTORY BUILDING REPORT
BY BARCODE

BARCODE	DESCRIPTION	MANU FACTURER	SOLID QUANTITY (POUNDS)	LIQUID QUANTITY (GALLONS)	GAS QUANTITY (CYLNDERS)	MISC. QUANTITY	UNK	ROOM	DATE ENTERED	DATE VERIFIED	DATE DISPOSED
CI15219	NITROGEN	AIR PRODUCTS	0.000	0.000	1.000	0.000		PEN/H	08/01/94	/ /	/ /
CI15220	FREON 503	GENETRON	0.000	0.000	1.000	0.000		PEN/H	08/01/94	/ /	/ /
CI15221	FREON 504	GENETRON	0.000	0.000	1.000	0.000		PEN/H	08/01/94	/ /	/ /
CI15222	USED FREON	UNK	0.000	0.000	1.000	0.000		PEN/H	08/01/94	/ /	/ /
CI15223	OIL	ZEROL	0.000	0.000	0.000	0.000		PEN/H	08/01/94	/ /	/ /
CI15224	OIL	ZEROL	0.000	0.000	0.000	0.000		PEN/H	08/01/94	/ /	/ /
CI15225	REFRIGERATOR OIL	VIRGINA CHEMICALS	0.000	0.000	0.000	0.000		PEN/H	08/01/94	/ /	/ /
CI15226	ZERCL REFRIG. OIL	CHEVRON	0.000	1.000	0.000	0.000		PEN/H	08/01/94	/ /	/ /
CI15227	ZERCL REFRIG. OIL	CHEVRON	0.000	1.000	0.000	0.000		PEN/H	08/01/94	/ /	/ /
CI15228	ZERCL REFRIG. OIL	CHEVRON	0.000	1.000	0.000	0.000		PEN/H	08/01/94	/ /	/ /
CI15229	VACUUM PUMP OIL	INLAND	0.000	1.000	0.000	0.000		PEN/H	08/01/94	/ /	/ /
CI15230	VACUUM PUMP OIL	WELCH	0.000	1.000	0.000	0.000		PEN/H	08/01/94	/ /	/ /
CI15231	WASTE OIL	UNK	0.000	5.000	0.000	0.000		PEN/H	08/01/94	/ /	/ /
CI15232	WASTE OIL	UNK	0.000	5.000	0.000	0.000		PEN/H	08/01/94	/ /	/ /
CI15200	NITROGEN	AIR PRODUCTS	0.000	0.000	1.000	0.000		PEN/H	08/01/94	/ /	/ /
CI15201	CONTAMINATED FREON	MOUND	0.000	0.000	1.000	0.000		PEN/H	08/01/94	/ /	/ /
CI15202	CONTAMINATED FREON	MOUND	0.000	0.000	1.000	0.000		PEN/H	08/01/94	/ /	/ /
CI15203	CONTAMINATED FREON	MOUND	0.000	0.000	1.000	0.000		PEN/H	08/01/94	/ /	/ /
CI15204	CONTAMINATED FREON	MOUND	0.000	0.000	1.000	0.000		PEN/H	08/01/94	/ /	/ /
** Subtotal **			804.197	1037.292	243.000	0.000					
*** Total ***			804.197	1037.292	243.000	0.000					

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MOUND ASBESTOS SURVEY
BUILDING SUMMARY

BUILDING SW

FLOORS:	Two	PIPE CHASES:	Yes
DATE BUILT:	1951	PENTHOUSE:	Yes
CRAWLSPACE:	Yes	GROSS AREA, SQ. FT.:	43,066
SUSPENDED CEILING:	Yes	ADDITIONS:	1957, 1960, 1965, 1972, 1975, 1976, 1986

Asbestos was found to be present in Thermal System Insulation and/or other material in Building SW. The homogeneous areas for the suspect Asbestos Containing Materials are shown below. Refer to the Mound Asbestos Survey Sample Data Report for specific information on sample constituents, estimated amounts of the material, assessments, and percentages of each constituent in the sample.

HOMOGENEOUS AREAS
Sample Numbers: 1.460-1.563

No.	Description	Result
1	Pipe Joint Insulation, Type I, Hard Joints w/Fiberglass Runs	Positive
2	Pipe Insulation, Type II, Hard	Negative
3	Pipe Joint Insulation, Type II, Hard	Positive
4	Pipe Insulation, Type III, Paper	Positive
5	Pipe Joint Insulation, Type III, Paper	Positive
6	Pipe Insulation, Type IV, Aircell	Positive
7	Pipe Joint Insulation, Type IV, Aircell	Positive
8	Condensate Tape (White)	Positive
9	Condensate Tape (Black)	Positive
10	Cloth Wrap (White)	Positive
11	Duct Insulation, Type I	Positive
12	Ductwork Flex Connector	Negative
13	Transite Board (Suspect)	Negative
14	Fireproofing (Sprayed)	Negative
15	Firestop	Positive
16	Explosion-Proof Light Gasket (Black)	Negative
17	Light/Vent Packing	Positive
18	Pinboard, Wall Tile	Negative
19	Tank Insulation	Positive
20	Condensate Tape (Brown)	Positive
21	Ceiling Tile, CT1-I, (1'x1'), Holes w/Pinholes	Negative
22	Ceiling Tile, CT1-A, (1'x1'), Fissured	Negative
23	Ceiling Tile, CT1-E, (1'x1'), Pits	Negative
24	Ceiling Tile, CT3-G, (2'x4'), Pits w/Holes	Negative
25	Ceiling Tile, CT3-B, (2'x4'), Fissured w/Pinholes	Negative
26	Ceiling Tile, CT3-F, (2'x4'), Pits w/Pinholes	Negative

MOUND ASBESTOS SURVEY
BUILDING SUMMARY

BUILDING SW

HOMOGENEOUS AREAS, cont'd
Sample Numbers: 1.460-1.563

27	Vessel Insulation	Positive
28	Vessel Wrap	Positive
29	Plaster	Negative
30	Drywall	Negative
31	Drywall Joint Compound	Negative
32	Block Insulation	Positive
33	Duct Insulation, Type II	Positive
34	Column Insulation	Negative
35	Transite Box and Tables	Positive
36	Pipe Insulation, Type V, Black Fiber	Positive
37	Pipe Joint Insulation, Type V, Black Fiber	Positive
38	HVAC Gasket	Negative
39	Flange Seal	Positive
40	Transite Wall	Positive

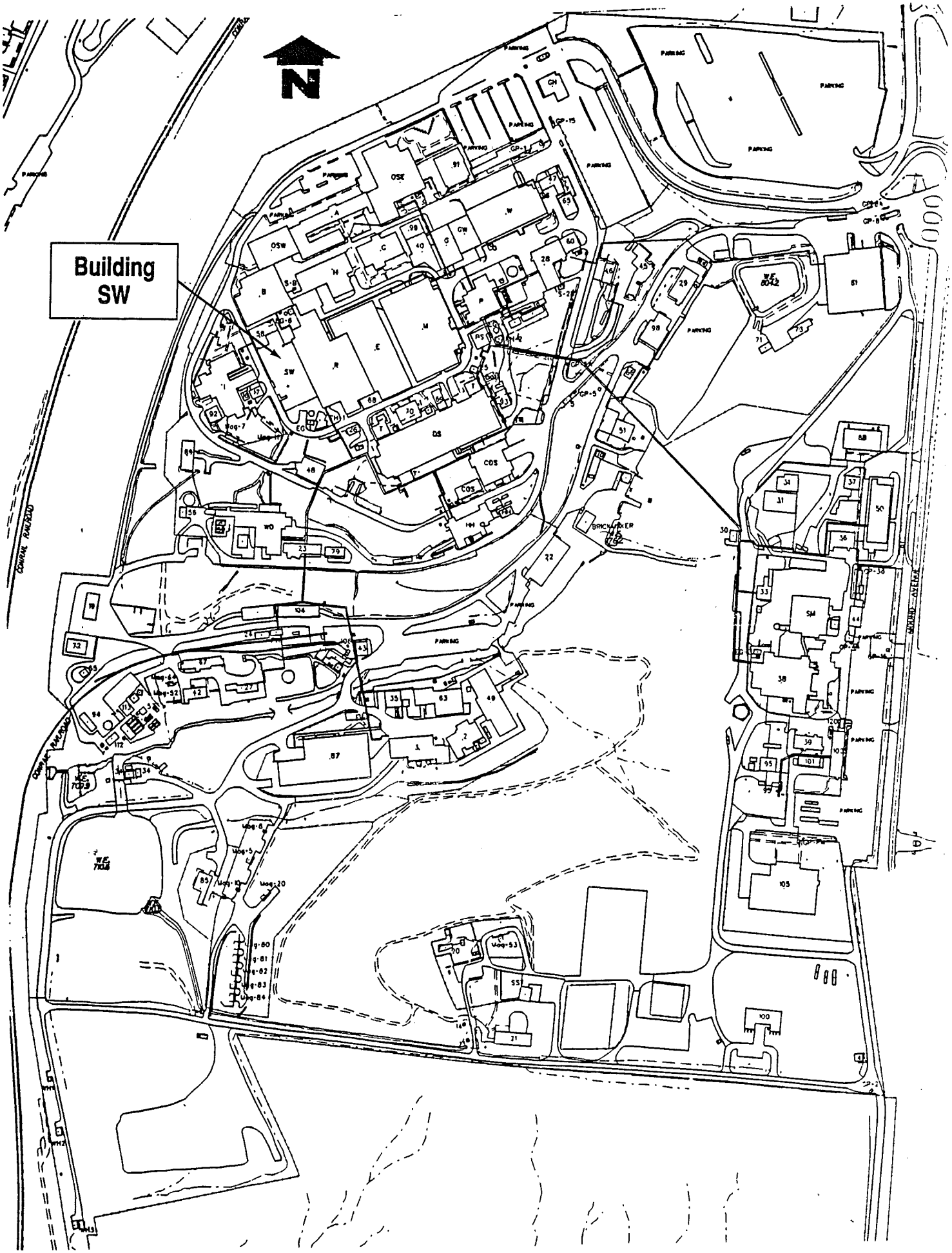
Assumed ACM:	Amount	Location
Transite (Wall)	640 SF	Room 8
Transite (Hood)	46 SF	Room 8
Transite (Hood)	46 SF	Room 13
Transite (Hood)	46 SF	Room 13
Transite (Hood)	40 SF	Room 13
Transite (Hood)	40 SF	Room 19
Transite (Hood)	53 SF	Room 22
Transite (Hood)	46 SF	Room 21
Transite (Hood)	46 SF	Room 125
Transite (Hood)	40 SF	Room 205
Transite (Hood)	46 SF	Room 200
Transite (Hood)	59 SF	Room 106 (R)
Transite (Hood)	46 SF	Room 108 (R)
Transite (Hood)	40 SF	Room 128 (R)
Transite (Hood)	46 SF	Room 128 (R)
Transite (Hood)	46 SF	Room 128 (R)
Transite (Hood)	12 SF	Room 8
* Floor Tile	N/A	N/A
** Linoleum	N/A	N/A

Drawing Reference: P103, P104, P105, P106, P107

* Floor tile quantities not included in scope.
** Linoleum quantities not included in scope.

NOTE: Building R Corridor 2 considered part of Building SW for this survey. This includes all adjacent rooms to the Corridor except Room 103 and Room 137 on the ground level. In the crawlspace, only the Corridor and the rooms to the west (SW side) were included.

9.29.6.3 Location of Building SW



SOURCE: Operable Unit 9, Site Scoping Report: Volume 7-Waste Management Mound Plant, 7-92

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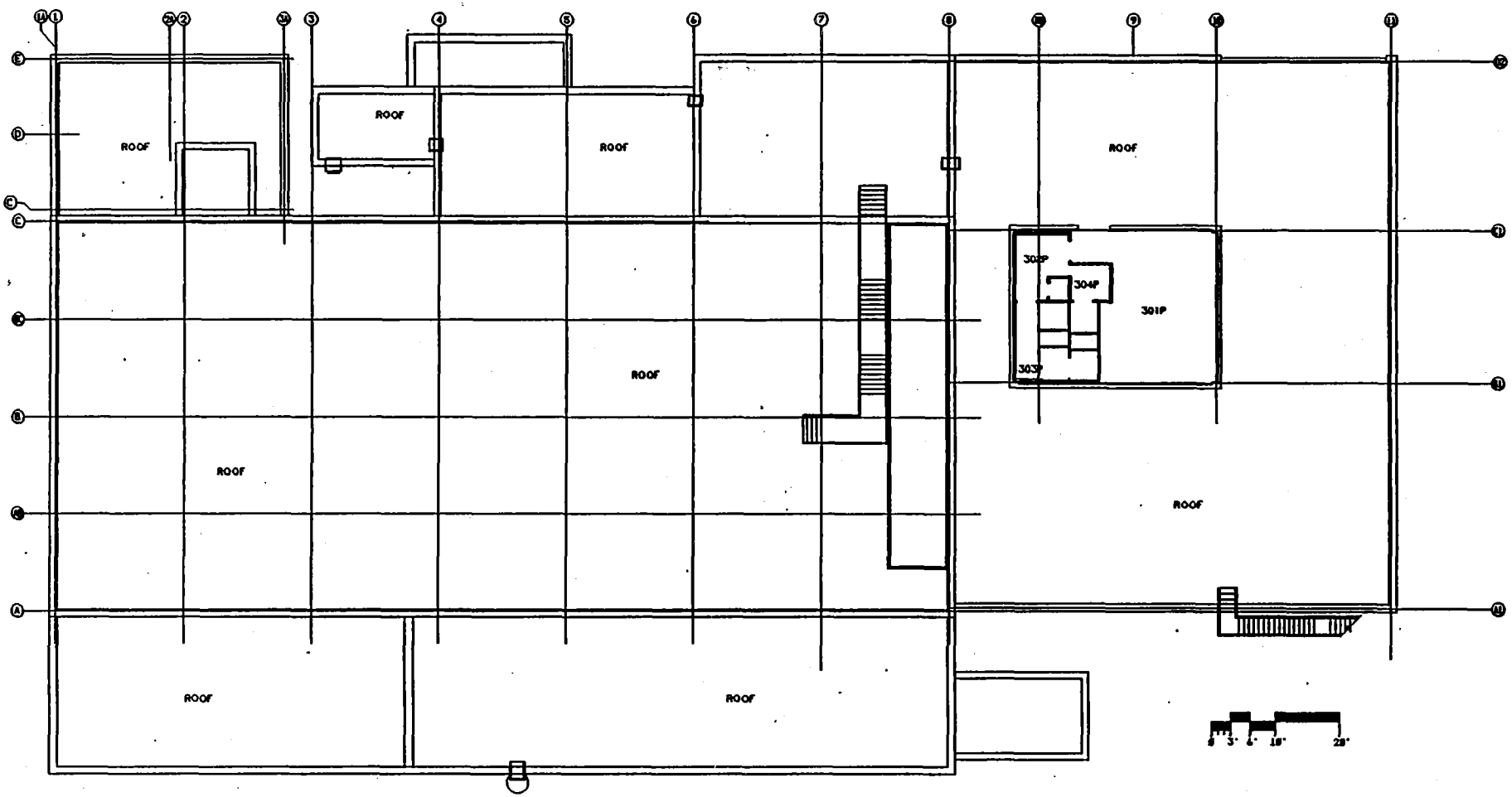
9.29.6.4 Floor Plans for Building SW



UNCLASSIFIED

DERIVATIVE CLASSIFIER

(Name)

Sr. Class Anal. 2/29/96

(Title) (Date)

SW BLDG PENTHOUSE BLDG CODE:3518

NOT FOR PUBLIC DISSEMINATION

MAY CONTAIN UNCLASSIFIED CONTROLLED NUCLEAR INFORMATION SUBJECT TO SECTION 148 OF THE ATOMIC ENERGY ACT OF 1954, AS AMENDED (42 USC 2168). APPROVAL BY THE DEPARTMENT OF ENERGY PRIOR TO RELEASE IS REQUIRED.

DRAWING NUMBER	FSC911324
JOB NUMBER	12335
DRAWING CLASSIFICATION	UCNI
SIZE	C
CODE	14065
SCALE	AS NOTED
ISSUE	0
SHEET	3
STATUS	MD-REL-12/12/91

9-29-125

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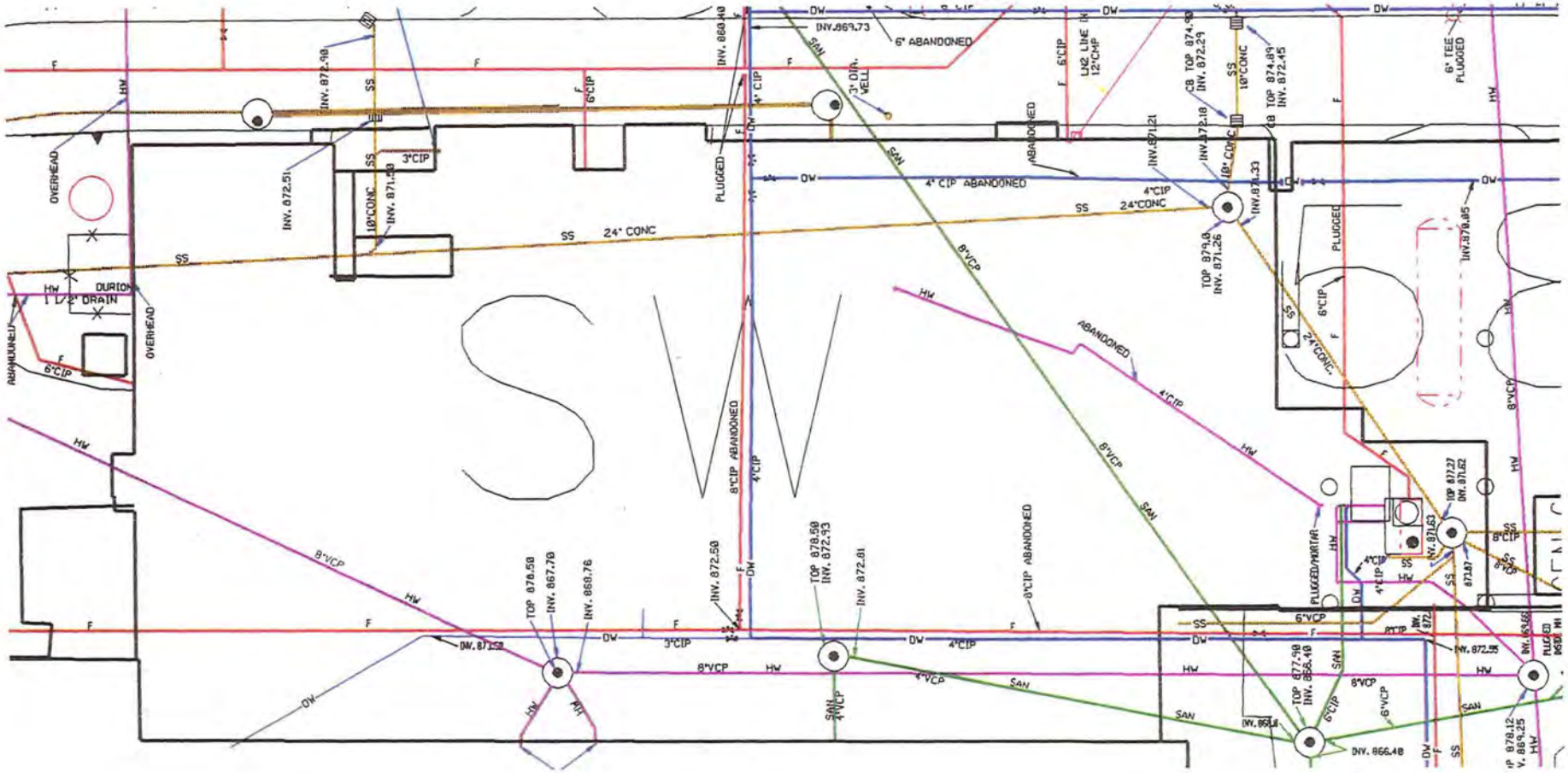
9.29.6.5 Underground Utility Lines



FIRE
POTABLE
RAW
SANITARY
STORM
RADIOLOGICAL

N

UNCLASSIFIED

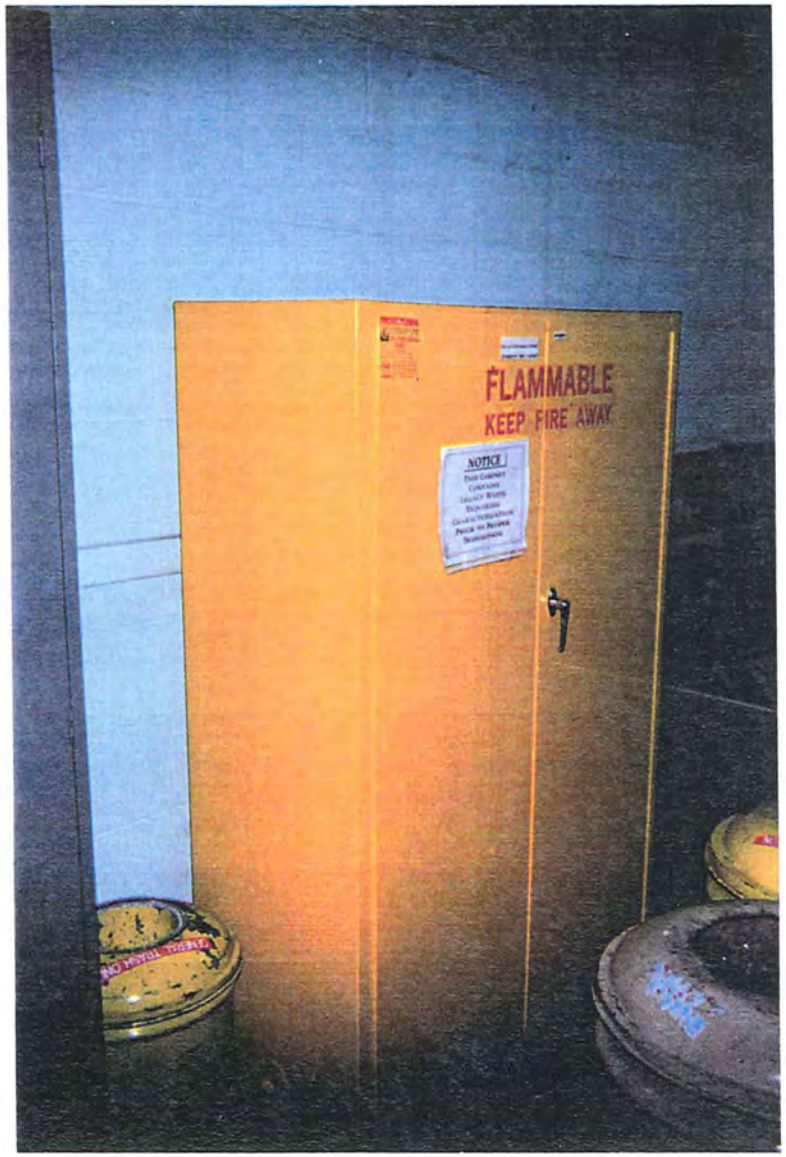
E.G.&G.-MOUND

UNDERGROUND WATER & WASTE LINES

BLDG. SW
DATE: 03-12-96

9.29.6.6 Photographs

Mound Plant Building SW



Cabinet is labeled improperly as containing "Legacy Waste".

RBA step-off pad needs to be designated.

(Above and below) Compressed gas cylinders in SW-152 need full/empty tag.

Unlabeled and/or uncharacterized container needs to be labeled/characterized.

Improper container for LSA storage.

(Left) Fire extinguisher in SW-10 needs to be recharged.

(Below) Unlabeled and/or uncharacterized drum needs to be labeled/characterized.

9.30 Building 7

9.30 BUILDING T

9.30.1 Scope of Building T Report

In late 1995 and the early months of 1996, EG&G MAT performed a review of environmental conditions at the Mound Plant. The purpose was to develop a performance baseline, and to identify areas for improvement on a building and a sitewide basis. EG&G MAT did not perform a "due diligence" or Phase I Environmental Site Assessment as specified by ASTM 1527 or ASTM 1528. The scope of the appraisal effort and a discussion of the appraisal methodology are detailed in Sections 2.0 and 5.0, found in Volume 1 of this report.

The appraisal team performed a walk-through of Building T on January 29, 1996. The appraisal team took four days to walk through Building T. The Environmental Appraisal Checklist (EAC) was used to record findings. The EAC is found in Attachment 1 (Section 9.30.6.1). The appraisers were accompanied by the building manager and various process managers. Other information was supplied by the building manager and recorded on the Building Manager's Questionnaire (BMQ), included as Attachment 2 (Section 9.30.6.2).

9.30.2 Description of Building

Building T is a heavily-reinforced, underground concrete structure built in 1948. The building has two floors that are compartmentalized into three general areas by two 30 inch thick fire walls. The reinforced concrete exterior structure has a 15-foot thick roof, 16-foot thick walls on an eight-foot thick slab. The overall design of the building was to withstand a direct hit by a bomb. Access to the building is by tower either at the east and west end of the building or by a service tunnel. Building T is located on the main hill as shown in Attachment 3 (Section 9.30.6.3). Adjacent buildings are Buildings E, M, and R to the north, Building HH to the south, and Building DS (above). The building is serviced by central steam for heat, chilled water, and a electrical substation within the structure (*Mound Facility Physical Characterization*, 12-1-93).

Building T is used for tritium operations, recovery and purification, calorimetry production, heat source calibration, and x-ray and safeguards gamma scanning. Building T was originally used to purify Polonium-210 for use in nuclear weapons. The facility was later used to extract various other radionuclides, such as bismuth and beryllium. Other operations included nickel carbonyl vapor deposition plating processes, neutron activation analysis, and the storage of transuranic (TRU) materials. Building T's gross floor space is 173,000 square feet and the usable floor area is 150,000 square feet. Floor plans are presented as Attachment 4 (Section 9.30.6.4). Extensive asbestos abatement was done in 1990. The building is contaminated with radiological materials (*Mound Facility Physical Characterization*, 12-2-93).

9.30.3 Summary of Findings

Operations in Building T are well-run with a cadre of knowledgeable individuals. Safe Shutdown is working in the building. The individuals assigned to Safe Shutdown are knowledgeable in environmental and waste management requirements. Issues of environmental concern were identified during the walk-through and the review of reference materials.

The primary issue of concern is the management of waste in the building. Waste management does not conform to Mound procedures in several areas of the building. Control and management of low-level radioactive waste will require a significant amount of effort to ensure compliance with waste acceptance criteria for disposal. Process personnel need to be aware of environmental and waste management requirements.

Problems were also noted with accumulation and management of Resource Conservation and Recovery Act (RCRA) regulated wastes in the building. There were three areas in which hazardous waste had been accumulated for an extended period of time. There is a large number of excess and waste chemicals located throughout the building. A water fountain was identified as an Environmental Protection Agency (EPA) listed model suspected of lead contamination. Chemicals identified as Clean Water Act (CWA) pollutants are used in the building. Mound's air emission inventory database is out of date. A sump was observed during the walk-through which is not included in the Underground Storage Tank (UST) Plan. Some compressed gas cylinders were missing full/empty tags. Housekeeping in the tritium handling areas was good, but the remaining portion of the building could be improved.

9.30.4 Observations

9.30.4.1 Air Emissions

Air emissions from Building T are exhausted to either the T-East or T-West stacks. Emissions from the T-East and T-West stacks are monitored for radionuclides in accordance with the *National Emission Standards for Hazardous Air Pollutants (NESHAPs) Federal Facility Compliance Agreement (FFCA) Compliance Work Plan*, (2-20-95). Four applications were submitted on March 5, 1992, for Permits to Operate (PTO). No PTO's were received from the Ohio Environmental Protection Agency (OEPA). The applications cover Tig welding in Room 78A, T-East and T-West stacks, and West Head house (Rooms 315, 323). High efficiency particulate air (HEPA) filter banks filter the exhausts of operations in Building T prior to venting to the stacks. The HEPA filters are tested weekly and maintained in accordance with the Nuclear Standard NEF3-43, *Quality Assurance Testing of HEPA Filters*, and NEF3-45, *Specifications for HEPA Filter Use by Department of Energy (DOE) Contractors*. Operations listed in Mound's air emission inventory database for Building T are not current. The inventory database does not include operations in Rooms 8, 218, 244, 246, 252, and 259. Several labs that are not listed in the inventory database are part of Safe Shutdown. Air emissions listed in the inventory database were not completely verified. There are no fuel-burning units in the building. There was no visual evidence of fugitive dust.

9.30.4.2 Wastewater Emissions

The Mound Facility has three wastewater collection systems: a sanitary wastewater system; a storm water system; and a radioactively contaminated process wastewater system. Sanitary wastewater is treated at an onsite tertiary treatment plant and subsequently discharged by hard pipe to the Great Miami River. Storm water and any non-process wastewater, single pass cooling water, and softener backwash may be discharged directly to the Great Miami River, via the Miami-Erie Canal, or may be diverted to a 3.1-million-gallon holding pond for settling prior to

discharge. Radioactively contaminated wastewater is treated in Building WD by physical-chemical treatment. If appropriate, wastewater may be discharged by hard pipe to the Great Miami River. If concentrations of radioactive contaminants cannot be reduced to acceptable levels, wastewater is solidified and shipped to the Nevada Test Site or Envirocare for disposal. All outfalls are permitted under an active NPDES permit. Routine monitoring activities are in place. Based on NPDES monitoring report data reviewed, it appears that the facility is in compliance with qualitative and quantitative conditions of the permit.

9.30.4.2.1 Sanitary Wastewater

The building has sanitary services. According to a diagram of underground utility lines, presented as Attachment 5 (Section 9.30.6.5), the building is serviced by two sanitary lines. According to the building engineer, there are seven sumps that discharge to the sanitary system. The sumps collect wastewater from sinks, toilets and showers, which is pumped up and out of the building. Confirmation of drainage of sanitary waste into sanitary conveyance lines was not within the scope of this effort, therefore, neither dye tests nor smoke tests were conducted. There is no monitoring of building effluent. Based on current operations identified by the process owner, effluent from Building T should not deviate from that expected by the sanitary treatment plant manager.

9.30.4.2.2 Storm Wastewater

The building is also serviced by storm drains according to Attachment 5 (Section 9.30.6.5). Discharge to the storm sewer is from four sumps and foundation drainage tiles. The sumps collect either single pass cooling water or steam condensate. Sumps were not tested to confirm that they connect to the storm drainage system. Visual inspection of the floor drains showed no sign of odors, colored discharges, or scarring which would indicate that any materials other than cooling water or steam condensate would have entered the storm drainage system. A 10,000 gallon holding tank, part of the fire sprinkler system, can be pumped to the storm drainage system. No record of the tank being used was observed.

9.30.4.2.3 Process Wastewater

According to the building manager and engineer, this building currently does not discharge radioactive wastewater to the WD facility. Attachment 5 (Section 9.30.6.5), a diagram of underground utility lines, indicates that radioactive wastewater lines are connected to the building. A review of the UST Program indicates that tanks Nos. 227, 229, 230, 231, 232, 233, 234, and 235 were once radioactive wastewater sumps. According to the UST Program, all eight sumps have been closed in place by filling with concrete. No visual evidence of old sumps was observed during the walk-through.

9.30.4.2.4 Chemicals

Chemicals in Building T were evaluated against Table V of Appendix D in 40 CFR 122 and several are considered CWA pollutants. Cyclohexane, xylene, and uranium are used in the building. There is a program in place for the orderly review of laboratory chemicals for

reuse/recycle. Chemical storage and handling procedures are in place for proper disposal of chemicals. There have been no reported chemical spills from Building T. Floor drains were observed in areas of operations. A lathe, in Room 323, was observed to have absorbent material around it to absorb oil leaking from the machine. This lathe is located approximately four feet from a floor drain which goes to the sanitary system. There are five flammable cabinets located approximately five feet from a condensate drain in Room 78. The condensate drain goes to a sump which pumps to the storm drainage system. No visible evidence was observed to indicate that chemicals have entered the storm or sanitary drains.

9.30.4.3 Potable and Service Water

Potable water is supplied to the building. Backflow prevention devices are installed at all visible points of potential cross-connections. In Room 215C, a backflow preventer is installed improperly with respect to the eyewash station. The backflow preventer should be after the eyewash, not before. Potable and service water lines are uniquely marked and easily identified in areas where new potable water lines were installed. Seven water fountains supply drinking water for the building. All but one of them are not EPA listed models suspected of lead contamination. Two bottled water coolers are also used in the building. Neither water cooler was an EPA-listed model suspected of lead contamination.

9.30.4.4 Chemical Storage and Hazardous Materials

A chemical inventory for Building T is included in the BMQ in Attachment 2 (Section 9.30.6.2). The information was gathered as part of the annual chemical inventory. The inventory information dates to 1994. The 1995 data were not available when the appraisal was performed. Confirmation of the 1994 inventory by the appraisal team was not attempted, as the current year inventory was on-going. However, storage, handling, and disposal of chemicals observed during the appraisal were reviewed to assure conformance with 40 CFR 122, 40 CFR-260-265 and 268, and 29 CFR 1910. There was no visual evidence of chemical storage incompatibility among remaining materials and janitorial supplies. Material Safety Data Sheets (MSDS's) are available in the building and were reviewed randomly for completeness. There are flammable storage cabinets that meet standard National Fire Protection Association (NFPA) requirements in use in many of the laboratories.

Several chemical containers were observed that did not have labels identifying their contents. In particular, two bottles which appeared to be pump oil in Room 247, a bottle of green paste in Room 323, and two 1-gallon plastic bottles in Room 3E were unidentified. Also in Room 3E, a 5-gallon can labeled methylene chloride was corroded and appeared to be empty. There were numerous chemicals observed in the neutron activation lab that had no appropriate hazard warnings. These chemicals were not listed on the BMQ chemical inventory which is included in Attachment 2 (Section 9.30.6.2). On the dock there was a blue drum, an older style DOE radioactive material drum #006461, which had no markings.

Portions of the building are going through Safe Shutdown. As part of the Safe Shutdown process, chemicals being removed are characterized. Upon characterization the chemicals can be reused elsewhere at Mound if applicable, or they will be disposed of through Waste

Management. According to the Safe Shutdown program, the disposition of chemicals, whether reused or disposed, are handled according to Safe Shutdown procedures in MD-10431. Documentation was not reviewed to determine whether any chemicals or hazardous materials have been removed from Building T.

Compressed gas cylinders were properly stored in locations observed in and outside the building. Signs indicating storage areas for full and empty cylinders in the cylinder bank on the dock were present. Empty and full cylinders were properly stored. Several cylinders in the cylinder bank and in Rooms 11B, 58, 82, and 307 were missing full/empty tags.

The building is equipped with appropriate emergency response equipment such as eyewashes, safety showers, and fire extinguishers. Halon 1211 is the predominant fire extinguisher. Inspection tags for safety showers and eyewashes are present and current. There is an Emergency Evacuation Plan, and signs are posted in the building.

There are four aboveground chemical storage tanks in or around the building that are associated with Building T. There are two 70,000-pound liquid nitrogen tanks located between Building H and T. There is a 70,000-pound liquid argon tank located between Building 25 and the paint shop. Lastly, there is a 30,000-pound compressed helium tank also located between Building 25 and the paint shop. No secondary containment is provided or required for any of these tanks. The two liquid nitrogen tanks are owned and maintained by Airco. The liquid argon tank is owned and maintained by MG Industries. The liquid helium tank is owned and maintained by Air Products. The BMQ located in Attachment 2 (Section 9.30.6.2) lists the 10,000-gallon holding tank in Room 1 as an aboveground tank. This tank is part of the fire water collection system for the radioactive part of Building T and is listed in the UST Program as tank No. 271.

There were 26 sumps identified during the walk-through and review of UST Program. Eleven of those sumps are now inactive and have been closed in place. Eight of those sumps were radioactive wastewater sumps identified in the Water Emission Section. All but one were for collecting alpha wastewater, the other collected beta wastewater. The UST Program lists three sanitary sumps, identified as tank Nos. 228, 250, and 251, as closed in place. The remaining 15 sumps are active with seven being sanitary, four pumping to the storm drainage system, and the remaining are dry sumps that are part of the fire water collection system. The sanitary sumps identified in the UST Plan are tanks Nos. 125, 126, 127, 130, 131, and 133. The sumps identified in the UST Plan that pump to the storm drainage system are identified as tank Nos. 124, 128, 129, 132, and 269. During the walk-through, either tank No. 132 or No. 269 identified in the UST Plan as discharging to the storm drainage system was observed to be a sanitary sump. Those sumps that are part of the fire water collection system are tank Nos. 272 and 273. They pump water to a concrete tank previously identified as tank No. 271. Another fire water sump not listed in the UST Program was observed in Room 2A during the walk-through. All sumps, except tank No. 271, are steel-lined concrete tanks.

A review of engineering drawings indicates that several tanks were incorporated into the Building T structure. Rooms 6E and 243 were originally designed to be service water tanks. Room 243 now contains the Tritium Effluent Removal Facility (TERF). Room 6E is currently a storage area for stock material, however, plans are to convert it to a TRU waste storage. There were

domestic water tanks incorporated into each access tower. The building manager and building engineer suspect that the tanks are not in operation and are empty. These tanks are not identified in the UST Plan. Located beside Room 1B were fuel oil storage tanks. The building manager thought they were steel tanks encased in concrete. They have been removed. The date of removal was not noted.

The building was tested and does contain asbestos-containing building material. Extensive asbestos abatement was done in 1990 (MD-10391, *Asbestos Program Manual*, 9-14-95). There was no visual evidence of friable asbestos. The areas containing asbestos material were observed to be identified and marked indicating the presence of asbestos.

There were no capacitors or transformers containing polychlorinated biphenyls (PCB's) observed in the building during the walk-through. In January of 1996, PCB transformers and capacitors listed in the 1995 PCB Annual Document Log were removed from Building T. Personnel indicated that there was no contamination.

9.30.4.5 Solid, Hazardous, and Radioactive Wastes

According to the decon foreman, no solid wastes are removed from Building T. All waste is treated as radioactive low-specific activity (LSA) waste. The decon foreman stated that solid waste may be segregated in the future as is done in Building SW. Office waste would be removed as solid waste and waste from radiological buffer areas (RBA's) as LSA waste. However, the process for establishing the RBA's has not been documented and/or approved by the cognizant authority as being compliant with the Waste Moratorium Performance Objective by the delegated authority.

As portions of Building T begin the Safe Shutdown process, some hazardous materials may be declared a hazardous waste. Only hazardous waste certified as non-radioactive is allowed to be removed from RBA's. Hazardous wastes are collected and transported by representatives of the EG&G Waste Management Group, and stored in Building 72 for ultimate disposal. There is no onsite treatment of waste. Waste disposal manifests and Certificates of Disposal are maintained by the EG&G Waste Management Group. These conditions were not verified as no hazardous waste pickups were observed during the walk-through.

There are several RCRA satellite accumulation areas (SAA's) for wastes generated in the building. Wastes from these areas are moved to RCRA storage areas when generator accumulation limits are reached. Satellite areas in the radiography area accumulate waste cleaning solutions and a silver sponge from a silver recovery unit. These accumulation areas meet the minimum requirements, however, the following concerns exist:

- A spent silver sponge was labeled as hazardous waste and dated 4-24-95.

- The silver recovery unit is used to recover silver from spent radiographic waste prior to disposal into the sanitary waste system. The Draft RCRA Permit states that spent radiography solutions are accumulated in a satellite accumulation area (SAA). The silver sponge is characterized and managed as a hazardous waste, and not recycled. Waste

Management personnel confirmed that the site does not send the silver sponge to a reclamation facility.

- Waste alcohol is accumulated in a satellite area in Room 216 (Radiography). One container was dated 2-1-90. The other containers were not dated. There were also several empty containers in the area which had hazardous waste labels. The radiography technician stated that these materials have not been used in several years and the process that generated them is no longer used.

Manufacturing process equipment in Rooms 5E, 16, 18 and 244 was observed to contain waste-like materials. Building personnel indicate the processes have been out-of-service in excess of 90 days. Waste-like materials were observed throughout the building, including characters, bricks, and shielding containing lead, fluorescent light bulbs, and batteries. These materials may exhibit RCRA characteristics.

Radioactive solid waste generated in the building results from offices and laboratories in RBA's. These streams were observed to be contained in LSA waste drums. Only administrative controls, i.e., locked rooms, were observed during the walk-through to limit access to waste drums. LSA waste drums with incomplete waste generator forms were noted in Rooms 19, 20, 58, 307 and Corridor 4. The forms were either incomplete with respect to the waste in the drum, or they were not dated, or there were no generator signatures. Waste generators did not have analytical data nor were process knowledge waste characterizations adequately documented. Vacuum pump reservoirs containing used oil were unmarked with respect to content and radiation hazard throughout the tritium handling areas. Some oil reservoirs have a mixture of polyphenyl ether oil and cyclohexane. Two drums of tritium-contaminated oil absorbed on Floorco were observed in Room 58. One drum was dated 6-14-90. Personnel indicated that there is difficulty in characterizing, packaging, and transferring tritium-contaminated oil to Waste Management.

LSA waste drums containing tritium were observed in the tritium-handling facility. The Waste Container Loading List indicated that radiological characterization is based on an estimate by the generator and that there is no method of analyzing LSA waste drums for tritium concentration. The drums are packaged and tested for off-gassing. However, this does not provide for accurate radiological characterization of the drum contents.

Gloveboxes in the tritium handling facility contained quantities of combustible waste and used glovebox gloves. No glovebox operations were on-going. Area personnel indicated that waste is not removed from the boxes in a timely manner as a result of reduced technical personnel and ability to get waste transferred to Waste Management.

Several labs were not inspected because they were posted as high contamination areas. Those areas are Rooms 16A, 19A, 57, 59, 61, 63, 78B, 98, 99, 266, and 277. Interviews of personnel responsible for Rooms 61 and 63 indicated that there are approximately four casks of highly tritiated water. According to the tritium handling process manager, these casks have been stored for more than five years. He indicated that there was no funding to treat this material. This is a very high radiation health and safety risk as the casks are beginning to deteriorate.

It is expected that the Safe Shutdown process will determine that some of the laboratory chemicals will be radioactively contaminated due to DOE operations. Those chemicals that are characterized as RCRA-regulated will become mixed waste. The procedures for handling this waste stream were not reviewed. Decontamination and decommissioning (D&D) of Room 15B will potentially generate mixed waste due to the presence of lead bricks. Lead bricks and characters were observed throughout Building T.

9.30.4.6 Waste Minimization and Pollution Prevention

At Mound there is an active program to minimize waste streams in accordance with state and federal requirements and Executive Order 12856. There is a silver recovery process in the radiography lab and Safe Shutdown personnel are working to reduce hazardous waste generation. Halogenated solvents have been eliminated from the building, with alcohol and acetone as the primary replacements.

9.30.5 Findings and Recommendations

Photographs were taken to document the environmental appraisal. They are included as Attachment 6 (Section 9.30.6.6).

The environmental appraisal of Building SW indicates that the following action items, in priority order, should be planned and scheduled for accomplishment thus assuring that best management and operating practices are in place.

T-1 All waste drums must have complete and documented characterization for chemical, physical and radiological contents of the container. This is required to demonstrate compliance with the Draft RCRA Permit and waste acceptance criteria for disposal. Building personnel and waste management should evaluate container characterization and documentation to ensure compliance with these requirements.

T-2 Personnel should be knowledgeable of waste management procedures concerning SAA's, the characterization of waste, and RCRA regulated materials in a radiation area. The appropriate training should be re-emphasized.

T-3 Loose and uncontrolled waste needs to be containerized to demonstrate effective management, control over waste and proper waste determination. If wastes are not controlled it is difficult to demonstrate compliance with the waste acceptance criteria for disposal.

T-4 Four casks of highly tritiated water have been stored for more than five years. This is a very high radiation health and safety risk as the casks are beginning to deteriorate. A waste determination should be made and the material managed accordingly.

T-5 Waste oil absorbed on Floorco in Room 58 and waste oil in reservoirs should be evaluated for a waste determination and managed accordingly (40 CFR 262.11). Oil reservoirs containing used vacuum pump oil are unidentified with respect to the content

and radiation hazard. Oil reservoirs should be characterized to the type of oil, solvents if any were used, and the level of radioactivity. The difficulties in characterizing, packaging and transferring tritium contaminated oil to Waste Management should be resolved jointly.

T-6 All wastes should be removed from gloveboxes and packaged in containers in a timely manner to ensure proper waste management.

T-7 The practice of recovering silver and managing the silver sponge as a RCRA waste may constitute treatment under RCRA for which the site does not have a permit (40 CFR 265). Waste Management should review this practice to ensure compliance with regulatory requirements (40 CFR 261.6 and 40 CFR 266 for related requirements).

T-8 A spent silver sponge in Room 215 was labeled as hazardous waste and dated 4-24-95. By dating the label, the generator evokes the 90-day accumulation start date. A spent silver recovery sponge in Radiography should be fully characterized and precious metal recovery per 40 CFR 266 and 41 CFR 101-45 should be evaluated before waste disposal is considered.

T-9 SAA's are authorized for processes generating waste. Since Radiography in Room 216 does not have active processes generating spent alcohols, the area should be deleted and waste should be characterized and transferred to Waste Management (40 CFR 262.34).

T-10 In Room 215C, a backflow preventer is installed improperly with respect to the eyewash station. The backflow preventer should be after the eyewash, not before.

T-11 Water fountains suspected of lead contamination should be replaced.

T-12 Manufacturing process units must have waste characterized, removed and managed within 90 Days of equipment becoming idled. Building personnel should evaluate materials in idled equipment and manage accordingly (40 CFR 261.4).

T-13 All chemical containers and secondary containers used for chemicals need to be labeled with their contents and hazards (29 CFR 1910.120).

T-14 Compressed cylinders should carry a legible label or marking identifying their contents, including full/empty tags (CGA P-1).

T-15 Chemicals and compressed gasses in out-of-service areas should be evaluated for reuse or a waste determination performed at the time an area becomes inactive (40 CFR 262.11). This shows due diligence in waste management and prevents chemicals from being stored in lieu of disposal.

T-16 Applications on file with the Regional Air Pollution Control Agency (RAPCA) for air emission sources should be updated. Mound's air emissions database needs to be updated with respect to changing operations and air emissions.

T-17 Housekeeping could be improved throughout Building T. This is more important in the RBA's considering the amount of waste that will be generated from the single-use policy for personal protective clothing.

T-18 CWA pollutants and their continued use should be evaluated and if appropriate, a substitute chemical used which has no health or environmental hazard. The Environmental Technology and Monitoring Section should be informed of this evaluation.

T-19 Acetone, when used on wipes, has not been managed as RCRA waste due to the regulatory interpretation for EPA waste code F003. These wastes may be regulated now due to the Land Disposal Restrictions and Universal Treatment Standards for acetone. Waste Management may want to evaluate these requirements and determine if acetone should also be eliminated from use in the building. Building management should contact Waste Management for assistance with such determinations.

T-20 The UST Plan needs to be updated to incorporate the fire water collection sump in Room 2A. Either tank No. 132 or No. 269 needs to be corrected in the UST Plan. One of them is a sanitary sump. Investigate the addition of the domestic water tanks inside the access towers into the UST Plan.

T-21 Investigate the sumps regarding rate of overflow, leak tightness, and design size adequacy according to DOE Order 6430.

T-22 Since the process for establishing the RBA's has not been documented and/or approved by the cognizant authority as being compliant with the waste moratorium Performance Objective by the delegated authority, compliance of the establishment of RBA's with the waste moratorium Performance Objective needs to be evaluated.

T-23 Investigate Safe Shutdown procedures to assure proper characterization and handling of glovebox filters and other air handling filters.

T-24 Flammable cabinets should not be stored in the vicinity of a floor drain where a chemical spill could be released to the storm or sanitary system.

9.30.6.1 Environmental Appraisal Checklist

ENVIRONMENTAL APPRAISAL CHECKLIST

Building Name T

Appraisers: Ronald Paulick

Name Discipline

Name Discipline

Name Discipline

Name Discipline

Building Manager: _____

Process Manager: _____

_____

_____

_____

Date: _____

ENVIRONMENTAL APPRAISAL CHECKLIST

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Environmental Appraisal Checklist

Building Name: T Appraisers: Paulek, Adkins, Ross Date: 1-29-96

9.30-15

Clean Water Act (CWA) Screening Checklist

Question	Response	Comments
Does the outside drain spouting of the building discharge directly to a storm sewer/sanitary system?	(Y)/ N	If the answer to any of these questions is yes, proceed with the following checklist.
Are there sinks, toilets and floor drains in the building?	(Y)/ N	
Are chemicals being used in the building?	(Y)/ N	
Is there a process which discharges to the storm or sanitary system?	(Y)/ N	

CWA Checklist

Regulatory Guideline	Question	Response	Comments
40 CFR 122 Appendix D Table V	If chemicals are used/stored in the building, are they on the attached list? Are they properly contained?	Y / (N) (Y)/ N	cyclohexane, uranium
	Is the building in operation? What are the processes and where do they discharge to?	(Y)/ N _____ _____	- Discharge to sanitary waste - Tritium storage & analysis - calorimetry
	Do the floor drains, sinks & toilets appear to be draining properly?	(Y / N)	Drain in Rm 299 was plugged All others ok.
OAC 3745-33	Do the floor drains and sinks drain to a sanitary or storm sewer?	(Sanitary) Storm	
	Is there a sump/pit in the building? If so, what does it contain? How often is it pumped out? Does water collect in sump? Does sump have secondary containment?	(Y)/ N _____ 365 (Y)/ N Y / (N)	11 inactive Sumps 15 active Sumps 7 sanitary, 2 storm 2 condensate, 4 fire - drywells
	Are there any ~~manholes~~, ~~catch basins~~ drains, or ~~fill pipes in~~ or around the building? If so, are there any unusual appearances, colors, and/or odors? Describe in comment section. Can chemicals flow into the drain?	(Y)/ N Y / (N) (Y)/ N	- 5 Flammable cabinet in front of condensate drain to storm. - Rm 323 lot the leaking oil 5 ft from drain. - Waste glycol <10µCi stored on ledge of sink.

9.30-16

Environmental Appraisal Checklist

Building Name: T Appraisers: Pudlick, Atkins, Ross Date: 1-29-96

Clean Air Act (CAA) Screening Checklist

Regulatory Guideline	Question	Response	Comments
	Are there any rooms that have air emissions sources that vent to the outside of the building, e.g., fumehoods, equipment? If so, note the rooms.	(Y)/ N	
OAC 3745-35	Using the air emissions inventory reference for this building, are there any sources in the building that are not documented?	(Y)/ N	
	Is there evidence of fugitive dust emissions inside or outside of the building	Y /(N)	

CAA Checklist

Regulatory Guideline	Question	Response	Comments
	Are there existing air permits or applications applicable to the building?	(Y)/ N	T-EAST, T-WEST stacks.
OAC 3745-31,35	If yes, are the terms and conditions of the permit or the information included on the application (see air emissions database) being followed? Note any differences and update the air emissions database.	Y /(N)	Monthly records not seen Was to begin 1-1-96.
OAC 3745-31	Are there any sources that are not included in the air emissions database? If so, note the room, hood number, active or not, POC, and applicable air emission database information on Table B.	(Y)/ N	Chemicals in fumehood in Rm 8 - no active process known
OAC 3745-31-03	Are there sources which are lab equipment of lab fumeheads used exclusively for chemical or physical analyses and bench scale lab equipment? These sources do not require a permit. However, the air emissions database should be updated.	Y /(N)	
	Has there been any release of air contaminants from this building?	Y /(N)	

Environmental Appraisal Checklist

Building Name: T

Appraisers: Paulick, Atkins, Ross

Date: 8-29-96

CAA Checklist

Comments: Note the number of sources/hoods per room, the number that are active, and the POC on the reference document.

TABLE A

Process Source	Room Number	Hood Number	In Database	Active	Chemicals Used	Quantity Used	Quantity to Waste Management	Hours/Yr. Operation	Air Emissions
~~S~~ CALGRIM metng	252		Y/N	Y/N	No chemicals				
machine shop	259		N	Y	~~welding~~				
S.S.	246		Y/N	Y/N					
S.S.	244		N	N					
	218		Y/N	Y/N ?					
	8		N	Y	ethyl alcohol, OAKITE, NaOH				
			Y/N	Y/N					
			Y/N	Y/N					

S.S. Safe Shutdown

Source:

9.30-17

9.30-18

Environmental Appraisal Checklist

Building Name: T Appraisers: Paulick, Adkins, Ross Date: 1-29-96

Hazardous Materials (HM) Screening Checklist

Question	Response	Comments
Are any chemicals used or stored in this building, now or in the past?	(Y) / N	If the answer is yes, proceed with the following checklist.

HM Checklist

Regulatory Guideline	Question	Response	Comments
* 29 CFR 1910.1200(b,f)	All containers of hazardous chemicals shall be labeled as to the Identity of the chemical and the appropriate hazard warnings.	Y / (N) No labels	Rm 247 - 2 bottles appear to be oil Rm 323 - 1 stain green paste Rm 3E - 2 1-gal plastic bottles
29 CFR 1910.1200(g)	MSDS shall be available to the employees in close proximity to the work area.	(Y) / N	Employees knowledgeable of MSDS
29 CFR 1910.22, 1910.106, 1910.176	All places of employment, passageways, storerooms and service areas shall be kept clean and orderly and in a sanitary manner. Aisles shall be unobstructed. Drums and containers are not leaking and are tightly sealed.	(Y) / N	
29 CFR 1910.106	Storage cabinets for flammable materials are constantly kept closed, are fire resistant and are labeled "FLAMMABLE - Keep Fire Away". Containers inside should be labeled and closed. No spills inside cabinet.	(Y) / N	OK.
29 CFR 1910.106(d)(7)	Incompatible chemicals are ~~not~~ stored together.	Y / (N)	Those observed were. OK.
29 CFR 1910.106(d)(4)	Inside Flammable/combustible storage rooms must meet the following: 4 in. raised sill or trench that drains to a safe area, liquid tight wall/floor joints, self-closing doors, gravity or mechanical exhaust providing 6 room changes/hr., exhaust switch located outside room, at least one 3 ft. aisle; no cracks in secondary containment.	Y / N	N/A

* NAA Lab had many vials of chemicals area shutdown.

ENVIRONMENTAL APPRAISAL CHECK LIST

Building: T **Apprasiers:** Paulick, Adkins, Ross **Date:** 1/29/96

RE: Additional Comments on Hazardous Materials Management

- There are large quantities of chemicals in T Building. Many of these appear to be excess. Areas of particular concern include:

  - Room 18 - The Neutron Activation labs had many vials of chemicals that no appropriate hazard warnings and were not on the BMQ inventory. Area under Safe Shutdown.

  - Tunnel - A blue, older style DOE radioactive material drum, #006461, on the dock had no markings at all.

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Environmental Appraisal Checklist

Building Name: T Appraisers: Paulick, Atkins, Ross Date: 1-29-96

HM Checklist

Regulatory Guideline	Question	Response	Comments
29 CFR 1910.106(d)(7)	All flammable/combustible storage locations have at least one 12-B portable fire extinguisher located outside and within 10 ft. of a door opening into any room for storage. No smoking signs are posted.	(Y) / N	
29 CFR 1910.151	Eyewashes/showers shall be provided within the work area. Ensure unit is operational.	(Y) / N	215C B.F.P. before eyewash not after
CGA P-1 3.3 & 3.3.10	All gas cylinders (full or empty) shall carry a legible label or marking identifying the contents.	Y / (N)	Rm 307 - methane F/E tag Rm 58, 82, 11B
CGA P-1 3.5.3	Full and empty containers should be stored separately with the storage layout planned so that containers comprising of old stock can be removed first with a minimum handling of other containers.	(Y) / N	
CGA P-1 3.5.8	All compressed gas containers in service or in storage shall be stored standing upright and the container shall be secured.	(Y) / N	78A unchained. Others ok.
CGA P-1 4.2.2	Oxygen cylinders shall be separated from flammable gas containers or combustible materials a minimum of 20 ft. or a noncombustible barrier 5 ft. high.	(Y) N	Dock area. 5' wall
29 CFR 1910.104(2)(10)	Oxygen stored as a liquid shall be on a noncombustible surface. Asphalt is considered combustible. Wood and long dry grass shall be cut back 15 ft. from the container.	Y / N	N/A
29 CFR 1910.104	Bulk oxygen storage shall be permanently placarded "OXYGEN - NO SMOKING - NO OPEN FLAMES".	Y / N	N/A
	Is there a sign posted in each work area regarding emergency egress and emergency response action?	(Y) / N	
	Is there an emergency response plan available?	(Y) N	

9:30-21

9.30-22

Environmental Appraisal Checklist

Building Name: T

Appraisers: Bullock, Adkins, Ross Date: 1-29-96

HM Checklist

Regulatory Guideline	Question	Response	Comments
	Is there a process area?	(Y) / N	
	Does it have proper containment?	(Y) / N	
	Is there a liquid bulk transfer area?	Y / (N)	
	Is there proper containment?	Y / N	N/A
	Is there an above ground storage tank? If so, complete Table B.	(Y) / N	Per BMQ

Above Ground Storage Tanks Inventory

TABLE B—Above Ground Storage Tanks Inventory

Building	Capacity (Gal.)	Contents	Estimated Volume	In Service	Containment	Visual Stains/ Contamination	If Empty, Flushed
		Liquid Argon	70,000 lb	(Y) / N	Y / (N)	Y / (N)	Y / N
		Compressed Helium	30,000 lb	(Y) / N	Y / (N)	Y / (N)	Y / N
		Fire Water	10,000 gal	(Y) / N	Y / N ?	Y / N	Y / N ?
		Liquid Nitrogen	68,640 lb.	(Y) / N	Y / (N)	Y / (N)	Y / N
		Liquid Nitrogen	70,000 lb.	(Y) / N	Y / (N)	Y / (N)	Y / N
				Y / N	Y / N	Y / N	Y / N
				Y / N	Y / N	Y / N	Y / N

Source: _____

Environmental Appraisal Checklist

Building Name: T

Appraisers: Faulick, Adkins, Ross Date: 1-29-96

Safe Drinking Water Act (SDWA) Screening Checklist

Does this facility have potable water?	(Y) N	If yes, conduct the following survey.

SDWA Checklist

Regulatory Guideline	Question	Response	Comments
* OAC 3745 95-02 (A)	Do actual or potential cross-connections exist between potable (light green) and service water (dark green)?	(Y) N	Cross-connection removed between raw & potable lines
OAC 3745 95-04 (B)(C)	Are backflow prevention devices installed where cross connections (hoses connected to faucets, hot water tank vented directly to a drain) exist?	(Y) N	BFP installed @ the sinks. BFP in photo lab Rm 215 is before eyewash not after
	Are sources of service water (janitorial and laboratory faucets, or outdoor spigots) posted as non-potable water sources?	Y (N)	Lab sinks have BFP's on them
	Does the facility contain any water coolers or fountains that are not lead free? Complete Table C.	(Y) N	

* New lines were not run through all of T-Building for potable water project.

TABLE C—Water Fountain Survey

Building	Location	Model #	Comments / Date of Analysis for Lead
T	Corr 28	HEW-2	ELKAY Ok.
T	Corr 28	?	OASIS
T	Rm 316	EBIH-2	OASIS - bottled water ok
T	Rm 350	EBAIH-1-D	Oasis - bottled water ok
T.	Corr 3	HEW-2	ELKAY Ok
T	Rm 90	CP3 M	OASIS EPA*
	Corr 20A	EHF-8-1	OASIS ok
	Corr 1	DPM14M	ok
	Rm 259	EFA-8-3	ok

Source: _____

9.30-23

9.30-24

Environmental Appraisal Checklist

Building Name: T

Appraisers: Pawlick, Adkins, Ross Date: 1-29-96

RCRA Screening Checklist

Does this facility generate waste or use chemicals?	(Y) N	If yes, conduct the following survey.

RCRA Checklist

Regulatory Guideline	Question	Response	Comments
OAC 3745 52-11	Has any material generated been characterized RCRA hazardous? Was charactarization by analysis or by process knowledge? Are lab results or documentation of process knowledge readily available? Note any uncharacterized material in comment section. Is it waste? If yes, proceed with next section.	(Y) / N analysis / process Y / (N) (Y) / N	SEE Page 8A.
OAC 3745 52-11	Are any of the materials noted RCRA hazardous waste? If no, note and stop here. If yes, note the location of the management unit, and the method of management, and proceed with the appropriate section below.	(Y) / N	SAA - Rm 214 - silver SAA - Rm 216 - alcohol

ENVIRONMENTAL APPRAISAL CHECK LIST

Building: T **Apprasiers:** Paulick, Adkins, Ross **Date:** 1/29/96

RE: RCRA Waste Management: Noted RCRA Hazardous Waste

- Hazardous and mixed waste have been generated according to Waste Management operation reports, 1991-1995. Several hazardous and mixed waste streams observed.

- Waste generators did not have analytical info or waste profiles in the tritium handling facilities or the radiography areas. The safe shutdown representatives did have knowledge and some documentation regarding his work in the buildings. There were several areas in the building that did not have control over waste accumulation. Some waste appeared to be incompletely characterized. Several parts of the building had Rad-soft waste that did not have the LLW labels per site procedures, therefore, no RCRA determination.

- Several areas of the building had quantities of paint chips from walls and ceilings, which may be RCRA on disposal.

9.30-25

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Environmental Appraisal Checklist

Building Name: T

Appraisers: Paulick, Adkins, Ross Date: 2-29-96

RCRA Checklist

Regulatory Guideline	Question	Response	Comments
I. HAZARDOUS WASTE STORED IN CONTAINERS			
	Is there an area in the building that could qualify as a Satellite Accumulation Area?	(Y) / N	
	Is it treated as such?	(Y / N)	Both *
OAC 3475-52-34 (C)	Has any of the RCRA hazardous waste in this building been managed in Satellite Accumulation Areas? If no, proceed to the next section. If yes, answer the following.	(Y) / N	SAA's in Radiography Alcohol, Acetone & Silver sponge Rm-214, 216
	Are the containers marked with the words hazardous waste, or other words denoting the hazard?	(Y) / N	
	Are the containers in good condition?	(Y) / N	
	Are the waste compatible with the containers?	(Y) / N	
	Are containers managing ignitable hazardous waste stored at least 50 feet from the plant site boundary?	(Y) / N	
	Are containers kept closed and locked except during filling?	(Y) / N	locks on doors administrative
	Are containers moved within 3 days of being filled?	Y / (N)	Silver sponge Rm 214

No ~~Acc~~ SAA's ESTABLISHED -

- Printed circuit boards from safe Shutdown & electronic Shop.
- Lead bricks, lettering
- Batteries
- Tritated oil from vacuum & vane pumps

9.30-27

9.30-28

Environmental Appraisal Checklist

Building Name: T Appraisers: Paulick, Adkins, Ross Date: 1-29-96

RCRA Checklist

Regulatory Guideline	Question	Response	Comments
OAC 3745-52-11 (A)	If a Satellite accumulation area has been abandoned and/or if waste left in place, and the containers may be subject to the 90-day-storage exclusion. If this exclusion does not apply, go to the next section. If the containers have been in storage under this exclusion, answer the following:		- silver sponge - lead bricks - batteries
	Are the containers in good condition?	(Y) / N	
	Are the waste compatible with the containers?	(Y) / N	
	Are the containers kept closed except during filling?	(Y) / N	
	Are the containers managed in such a way, that they are not ruptured, or leaks caused?	(Y) / N	
	Is the area inspected at least once weekly?	Y / (N)	
	Is the inspection recorded? • Where is the log? Is it properly completed, dated, and signed?	Y / N Y / N	No inspections
	Are containers managing ignitable hazardous waste stored at least 50 feet from the facility boundary?	(Y) / N	
	Are incompatible wastes managed in such a way that they will not react with another incompatible waste?	Y / N	
OAC 3745-52-34(B)	Has any of the waste (except in Building 23, Building 72 and the Burn Area) been managed in excess of 90-days?	(Y) / N	Silver sponge dated 4-24-
	If no go to next section.	in Rm	214. Interviews indicate a
	If yes, note.	lack of	coordination between
	For Building 23, Building 72 & Burn Area use special checklist.	process &	waste management.

Lack of knowledge on process personnel.

ENVIRONMENTAL APPRAISAL CHECK LIST

Building: T **Apprasiers:** Paulick, Adkins, Ross **Date:** 1/29/96

RE: RCRA Waste Management: Potential Wastes (RCRA Regulated) Accumulated > 90 Days

- Manufacturing process equipment contains waste-like material that may be RCRA, that has not received a waste determination 40 CFR 261.4(c) These include:

  - Teppler pump in Room 244 may contain mercury.
  - Metalography lab in Room 16 may contain heavy metals.
  - Radiography Room 5E lead bricks and characters.
  - Room 18 Neutron Generation Area had large quantities of lead, oil and cooling unit.

- Fluorescent light bulbs, which fail TCLP at other DOE facilities, are scattered through Room 90. Waste Management may want to evaluate this management practice (262.11) 261.

- Gel cell batteries, and other batteries are abandoned throughout the building. Waste Management may want to evaluate opportunity under the Universal Waste Rule for battery disposition. Safe Shut Down personnel in T Building do a good job of managing batteries once identified.

- There are satellite accumulation areas in Room 214 (Radiography) that have not supported active processes for over four years. Ethyl Alcohol is contained in two 5-gallon cans. Both are labeled Hazardous Waste. One label is dated 2/1/90, the other is not dated. There are also empty cans and jugs labeled hazardous waste. These satellites do not meet the regulatory definition and should be closed 40 CFR 262.34. Interview with Tom Bowman.

- Room 214 - The Radiography Lab had large quantities of chemicals which are no longer necessary for processes in the area. The contract employee in area stated that acetone, ethyl alcohol, and methylene chloride have not been used in Radiography for over four years. He claimed that he worked to dispose of them through Waste Management but had no documentation.

9.30-29

ENVIRONMENTAL APPRAISAL CHECK LIST

Building: T **Apprasiers:** Paulick, Adkins, Ross **Date:** 1/29/96

RE: RCRA Waste Management

- Two drums of tritium contaminated oil absorbed on floorco were located next to a glovebox in Room 57. The generator stated that he believed it to be mixed waste. The draft RCRA Permit identifies this as a mixed waste. It is characterized as RCRA for halogenated solvent and TC metals according to Section C of the Permit. One of the drums was dated 6/14/90. Management needs to determine if this waste is RCRA and manage accordingly.

- There are several reservoirs and auxiliary tanks of the waste oil from tritium processes stored in gloveboxes in the tritium handling facility. The process manager stated that they can no longer ship to Building 23 due to packaging considerations. This waste may be RCRA regulated according to the Draft RCRA Permit. Interviews with mixed waste management indicated that if properly packaged and characterized they should be able to get waste moved to Building 23. There appears to be a disconnect between Waste Management and Process operators on how to handle highly tritiated contaminated oil. Management needs to perform a waste determination and mange waste accordingly.

Environmental Appraisal Checklist

Building Name: T

Appraisers: Paulick, Adkins, Ross

Date: 1-29-96

RCRA Checklist

Regulatory Guideline	Question	Response	Comments
II. HAZARDOUS WASTE STORED IN TANKS			
OAC 3745-52-32 (B)	Has any chemical waste stored in a tank, piece of process equipment or ancillary equipment been in storage in excess of 90-days?	(Y) / N	SEE ATTACHED NOTES.
	If the answer was ~~no~~ YES, then proceed with the following:	(Y) / N	
	Has the tank or piece of equipment had an integrity assessment?	Y / N	N/A
	Is there a sump?	Y / (N)	
	Is it dry?	Y / N	N/A
	Does the tank or equipment have secondary containment?	Y / (N)	
	Does the tank or equipment have leak detection device(s)?	Y / (N)	
	Has spill control prevention been enacted?	Y / (N)	
	Has any hazardous waste stored in a tank, piece of process equipment or ancillary equipment been in storage in excess of 90-days?	(Y) / N	
	If the answer was ~~no~~ YES, then proceed with the following:		
	Has the tank or piece of equipment had an integrity assessment?	Y / (N)	
	Does the tank or equipment have secondary containment?	Y / (N)	
	Does the tank or equipment have leak detection device(s)?	Y / (N)	
	Has spill control prevention been enacted?	Y / (N)	
	Is there a closure plan?	Y / (N)	
	If yes, then note.		
OAC 3745-67	Has any of the waste been managed in a surface impoundment? If yes, then note. Go to the next section.	Y / (N)	

9.30-31

9.30-32

Environmental Appraisal Checklist

Building Name: T

Appraisers: Paulick, Adkins, Ross Date: 1-29-96

RCRA Checklist

Regulatory Guideline	Question	Response	Comments
OAC 3745-68	Has any of the waste been managed in a Landfill? If yes, then note. Go to the next section.	Y / N	
OAC 3745-68	Has any of the waste been managed in an Incinerator (other than Burn area units)? If yes, then note. Go to the next section.	Y / N	
OAC 3745-68	Has any of the waste been managed in a Thermal treatment Unit (other than Burn area units)? If yes, then note. Go to the next section	Y / N	
OAC 3745-69	Has any of the waste been managed in a Miscellaneous Treatment Unit (other than Burn area units)? If yes, then not. Go to the next section.	Y / N	Radiography R-214
OAC 3745-56	Has any of the waste been managed in a Waste Pile? If yes, then note. Go to the next section.	Y / N	

General Comments:

Radiography in Rm 214 - RCRA Permit, Section C, indicates that waste developer and fixer solutions is accumulated in SAA. Instead, waste passess through a silver recovery unit. Wastewater discharges to sanitary. The recovered silver (sponge) is labeled as H.W. Since silver is not recovered, this process may constitute treatment in order to discharge to sanitary. Practice should be reviewed by W.M.

Environmental Appraisal Checklist

Building Name: T

Appraisers: Paulick, Adkins, Ross Date: 1-29-96

Asbestos Screening Checklist

Does this facility contain ACBM?	(Y) / N	If yes, conduct the following survey.

Asbestos Checklist

Note: Routinely, the asbestos standard for ACBM in schools has been applied to facilities for purpose of cleanup. In addition to AEHERA, there are additional standards in the NESHAPS that may be of importance.

Regulatory Guideline	Question	Response	Comments
ADAPTED FROM TSCA ACBM IN SCHOOLS:			
	Has this building been characterized either through process knowledge, by analyses, or by inspection to determine if it contains asbestos?	(Y) / N	Per BMQA MD-10391 issue 3.
	If no for this building or area note this conclusion in the comment section.		Asbestos abatement performed in 1990.
	Is there any evidence of friable asbestos?	Y / (N)	
	Is the asbestos removal properly managed? (See questions listed below)	~~Y / N~~ N/A	If there is no asbestos removal, do not complete the following section.
NESHAPS FOR ASBESTOS FOR ANY ONGOING ASBESTOS REMOVAL:			
40 CFR 61.156	There are no discharges of visible emissions to the outside air from collection, processing, packaging, transporting, or deposition of ACBM during the removal.	Y / N	
40 CFR 61.152(b) (1)	ACBM is treated with water in accordance with 40 CFR 152(b)?	Y / N	
40 CFR 61.154	Is friable asbestos adequately wetted during stripping? Or, has an adequate ventilation and collection system been installed?	Y / N	
40 CFR 61.152	Is wetting continued until the waste friable asbestos is collected for disposal?	Y / N	

9.30-33

9.30-34

Environmental Appraisal Checklist

Building Name: T. Appraisers: Faulick, Adkins, Ross Date: 1-29-96

Toxic Substances and Control Act (TSCA) PCB's Screening Checklist

Does this facility potentially contain any PCB's or PCB contaminated equipment?	(Y)/ N	If yes, are transformers labeled (Blue or Yellow stickers)? If yes, conduct the following survey.

TSCA Checklist

Regulatory Guideline	Question	Response	Comments
40 CFR 761	Has any waste generated in, or from, this building been characterized either through process knowledge or by analyses to determine if it contains PCB's ? If the answer is no, note . If the answer is yes, proceed with next section.	(Y)/ N	PCB waste between 1991-1995 Transformer & capacitors in T-4: Removed in Jan 1996 No contamination indicated.
	Based on an inspection, are any of the materials or equipment potentially PCB contaminated? If no, note and stop here. If yes, note the location of the management unit, and the method of management, and proceed.	(Y)/ N	Neutron generator transformer tested - Sub Station
40 CFR 761.65 (c) (5)	Are PCB articles or containers stored in this building checked for leaks at least once every 30 days?	Y / (N)	None observed
	If yes, are auditable records maintained.	~~Y/N~~	N/A
40 CFR.30 (a) (1) (ix)	Are any PCB transformers in use, or stored for possible reuse, that contain PCB's at concentrations of 500 ppm or greater?	(Y / N)	Were in use, removed during inspection.
	Are they visually inspected quarterly? If yes, are auditable records maintained?	(N/A) PP	were kept. - trans/cap removed.

Building Name: T

Appraisers: Paulick, Adkins, Ross Date: 1-29-96

TSCA Checklist

Regulatory Guideline	Question	Response	Comments
40 CFR 761.30 (a) 1,viii	Are all combustible materials (i.e., paints, solvents, plastics, paper, sawn wood, etc.) cleared from areas containing PCB transformers to a distance of five meters?	Y / N	N/A
40 CFR 761.65 (b) (8)	Are all PCB articles and containers labeled with the date they were placed in storage?	Y / N	
	Are labeled PCB articles and containers stored so that the labels can be referenced?	Y / N	
40 CFR 761.65 (a)	Are all PCB's and PCB contaminated items at concentrations above 50 PPM, that are stored for disposal, stored no longer than one year from the date they were placed in storage?	Y / N	
40 CFR 761.62 (b) (1) (i)	Do all PCB storage areas have an adequate roof and walls to prevent rainwater from reaching the stored items?	Y / N	
40 CFR 761.62 (b) (1) (iv)	Are storage are floors curbed and constructed of continuous smooth and impervious materials?	Y / N	
40 CFR 761.62 (b) (1) (i)	Are the curbs at least 6 inches high?	Y / N	
40 CFR 761.62 (b) (1) (iii)	No drains are allowed in storage areas. Are there drains in the storage areas?	Y / N	

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9.30-36

Environmental Appraisal Checklist

Building Name: T

Appraisers: Paulick, Adkins, Ross Date: 1-29-96

TSCA Checklist

Regulatory Guideline	Question	Response	Comments
40 CFR 761.65 (c) (2)	Only non-leaking and undamaged large high voltage PCB's capacitators and PCB-containing electrical equipment are allowed to be stored outside of PCB storage areas, on pallets if stored outside, with containment for 10 percent of the volume of the equipment. Do all PCB's stored in this configuration conform with this requirement?	Y / N None reported.	N/A
40 CFR 761.45 and .65	Are all PCB storage areas marked with a large PCB mark as described in 40 CFR 761.45 (a)?	Y / N	
40 CFR 761.65 (c) (5)	Have all leaking PCB articles and containers been transferred to non-leaking containers?	Y / N	
40 CFR 761.65 (c) (6)	Do all PCB storage containers for the storage of liquid and non-liquid PCB's comply with DOT shipping container specifications?	Y / N	✓

GENERAL COMMENTS:

House keeping: Large amount of trash/recycable material has resulted from the removal of PCB transformers. Caution should be exercised on the amount & control of trash in an RBA.

Environmental Appraisal Checklist

Building Name: T. Appraisers: Pawlicki, Adkins, Ross Date: 1-29-96

Low-Level Waste and Transuranic Waste Screening Checklist

Does this facility contain radioactive waste ?	(Y) / N	If yes, conduct the following survey.

Low-Level Waste and Transuranic Waste Checklist

Regulatory Guideline	Question	Response	Comments
Low-Level Waste			
DOE Order 5820.2A Chapter III	Can any waste generated in, or from, this building be characterized either through process knowledge or by analyses to determine if it is LLW ? If the answer is no, note. If the answer is yes, proceed with next section.	(Y) / N	
DOE Order 5820.2A Chapter III.	Are any of the materials noted by inspection LLW? If no, The audit would stop here, because there are no LLW. If yes, note the location of the management unit, and the method of management, and proceed with the section below.	(Y) / N	LLW generated in future handling & support areas.
DOE Order 5820.2A Chapter III, 3.a.	Have the storage configurations in use in this area been taken into account for keeping external exposures to the general public below 25 mrem/yr?	(Y) / N	
	Is the waste stored in a configuration that protects ground-water resources?	~~(Y)~~ / (N)	~~unknown~~ RP. & *
DOE Order 5820.2A Chapter III, 3.b.	Has monitoring been conducted in this area in accordance with DOE Order 5820.2A in order to evaluate the area against the performance standard?	(Y) / N	
	Based on field data, does the monitoring conducted in this area conform to the performance standard?	Y / N	

* No sanitary or storm drains in area with LLW / TRU Waste per DOE ORDER 6430

9.30-37

9.30-38

Environmental Appraisal Checklist

Building Name: T Appraisers: Paulich, Atkins, Ross Date: 1-29-96

Low-Level Waste and Transuranic Waste Checklist

Regulatory Guideline	Question	Response	Comments
DOE Order 5820.2A Chapter III, 3.d.	Based on field data, is the characterization of the materials in this area sufficient to assure proper segregation to assure proper segregation, treatment, storage, and disposal?	Y / N	Drums in several areas missing waste generator forms
	Based on field data does the characterization as documented at the time of generation of the waste ensure that the actual physical and chemical characteristics, and major radionuclide content of this material are recorded and known at all stages of the waste management process?	Y / N	discussions w/ personnel indicated lack of consistency regarding rad waste.
	Do characterization data include the following:		
	Physical and chemical characteristics of the waste?	Y / N	Physical - yes, chemical - No
	Volume of the waste (including solidification and absorbent material)?	Y / N	often completed by W.M.
	Weight of the waste (including solidification and absorbent material)?	Y / N	Often completed by W.M.
	Major radionuclides and their concentrations?	Y / N	~~Date~~ - ATTACHMENT. *
	Packaging date, package weight, external volume?	Y / N	Date
	How were the concentration of radionuclides determined? Direct methods?	____	~~estimated~~ liquid scintillation for oil
	How were the concentrations of radionuclides determined? Indirect methods?	____	estimated
DOE Order 5820.2A Chapter III, 3.h	Is the storage configuration in long term storage sufficient to meet the performance standard?	Y / N	
	Are records maintained at the facility enabling this waste to be traced from its origin?	Y / N	Not within Building for generator.

ENVIRONMENTAL APPRAISAL CHECK LIST

Building: T **Apprasiers:** Paulick, Adkins, Ross **Date:** 1/29/96

RE: LLW Characterization

- Drums were identified in Rooms 19, 20, 58, 307, and Corridor 4 that did not have waste generator forms per site procedure. Personnel were not available to explain characterization of waste. No identifier for Rad characterization either.

- Personnel in Safe Shutdown were knowledgeable of RCRA and Rad Characterization requirements. Personnel in tritium handling were not as knowledgeable and could not explain the characterization of waste in the area. [Interviews with H. Melke and D. Stephen]. Review of drums with labels identified contents but not characterization.

- Radionuclides are identified, however, no identification for concentration on solid/combustible waste. Oils and liquid wastes are sampled for rad concentration.

- Waste generators in building explained that tritium concentration is based on estimates by generators. They explained that building limit is < 1 Ci per drum. They stated they always put <1 Ci as a standard practice. Some drum logs stated definite numbers such as .5 Ci and .05 Ci. The Decon personnel stage drums and place a plastic bag over them for a set period of time. Health Physics checks the bag for off-gassing. If sample is less than a predetermined amount, the drum is assumed to be < 1 Ci tritium.

- Gloveboxes in tritium handling areas were noted to have quantities of drybox gloves, wipes and other trash backed up in glove boxes. It is a poor housekeeping practice for glovebox operations. Management needs to assign personnel to clean up glove boxes and remove waste at the time of generation.

- Control over soft waste [lab waste] is not adequate. Yellow bags of waste were located in several areas. There were also several areas where housekeeping was poor and loose trash had accumulated. There is no waste determination for these materials. All trash in Building T is considered LSA. This trash may be office and lab trash identified as general trash - a specific waste stream.

ENVIRONMENTAL APPRAISAL CHECK LIST

Building: T **Apprasiers:** Paulick, Adkins, Ross **Date:** 1/29/96

RE: Additional Radioactive Waste Issues

- There are four casks of highly tritiated water in Room 63. These have been stored in excess of five years according to the tritium handling process manager. He indicated that there is no funding to treat this material and that DOE program organizations {Defense Programs (DP) and Environmental Management (EM)} disagree over ownership. This is a very high radiation health and safety risk.

- Gloveboxes in tritium handling areas have quick disconnects that are contaminated with tritium. These connections are used to transfer spent pump oil from gloveboxes to waste containers. Subcontract personnel were contaminated when they used the fittings to anchor caution tape for a job in Room 59. (January 96?) There are several other fittings like this in other process areas in Building T. There are not posted a contamination areas nor is there any physical or administrative control to prevent similar situations. Management indicated that maintenance requests have been submitted to construct covers for these connections. Radiation control is not adequate, the area should be posted as to provide interim protection - Addressed in a Rad Safety Report.

Environmental Appraisal Checklist

Building Name: T Appraisers: Paulick, Adams, Koss Date: 1-29-96

Low-Level Waste and Transuranic Waste Checklist

Regulatory Guideline	Question	Response	Comments
TRU WASTE			
	Can any waste generated in, or from this building be characterized either through process knowledge or by analyses to determine if it is TRU waste? If no, note and stop. If yes, proceed with the next section.	Y / (N)	TRU Waste is not generated in Building T
	Are any of the materials noted as being TRU waste during an inspection? If no, note and stop. If the answer is yes, note the location of the management unit, and the method of management and proceed with the appropriate section below.	(Y) / N	12 Boxes of TRU Waste is stored in Tunnel, 55gal drums in Rm 35.
DOE Order 5820.2A, Chapter II, 3.a	Was this material evaluated as soon as possible in the generating process, to determine if it is TRU (>100nCi/g), if it is recoverable, or if it is waste? (Note if the activity level is less than 100nCi/g, the waste is not TRU, and can be managed as LLW.)	Y / N	N/A
	Did the determination of TRU radionuclide concentration include the mass of the container, including shielding? These should be included in calculating the specific activity of the waste.	(Y) / N	

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Environmental Appraisal Checklist

Building Name: T

Appraisers: Paulick, Atkins, Ross

Date: 1-29-96

Low-Level Waste and Transuranic Waste Checklist

Regulatory Guideline	Question	Response	Comments
DOE Order 5820.2A, Chapter II, 3.b	Has the TRU waste been assayed or otherwise evaluated to determine its radioactive content prior to storage?	(Y) / N	
	Has the TRU waste been characterized or otherwise evaluated to determine if hazardous waste is present?	(Y) / N	*
	Has classified TRU waste been treated to destroy the classified characteristics?	Y / N	unknown
DOE Order 5820.2A, Chapter II 3.d	Has all newly generated TRU waste been packaged in non-combustible packaging that meets DOT requirements?	Y / N	N/A
	Have all Type A TRU waste packages been equipped with a method to prevent pressure buildup?	Y / N	Storage is Not Type A
	Have all TRU packages been marked, labeled and sealed in accordance with 40 CFR 261 Subpart C and 49 CFR 172 Subparts D, E and 49 CFR 173 Subpart I?	Y / N	Containers are not RCRA and are not in transport.

* No labeling on boxes to show that waste is not RCRA.

No mixed waste stored in building

Environmental Appraisal Checklist

Building Name: T

Appraisers: Paulick, Adkins, Ross Date: 1-29-96

Low-Level Waste and Transuranic Waste Checklist

Regulatory Guideline	Question	Response	Comments
DOE Order 5820.2A, Chapter II 3.e	Has the TRU waste been segregated in manner that will not permit commingling of TRU waste with LLW or high-level waste?	(Y) / N	
	Has the TRU waste been protected from unauthorized access?	(Y) / N	
	Has the TRU waste been monitored periodically to ensure that it is not releasing its radioactive and/or hazardous constituents?	(Y) / N	
	Has this TRU waste storage area been designed, constructed, maintained, and operated to minimize the possibility of fire, explosion, or accidental release of its radioactive and/or hazardous constituents?	(Y) / N	
	Does the facility have a contingency plan designed to minimize the adverse impacts of fire, explosion, or accidental release of its radioactive and/or hazardous constituents?	(Y) / N A	Storage conditions meet standard.

GENERAL COMMENTS:

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Environmental Appraisal Checklist

Building Name: T

Appraisers: Paulick, Adkins, Ross Date: 1-29-96

Waste Minimization/Pollution Prevention Activities Screening Checklist

Does this facility generate waste or use chemicals?	Y / N	If yes, conduct the following survey.

Waste Minimiaztion/Pollution Prevention Activities Checklist

Regulatory Guideline	Question	Response	Comments
	Based on available information and a walk through, are there any apparent opportunities to curtail the consumption of raw materials (including but not limited to paper, chemicals, electricity, and etc.). If yes, list candidate areas in the comment section.	Y / N	Safe Shutdown is in process of evaluating waste min.
	Are there solvent wastes?	Y / N	Alcohols, Acetone
	Is vehicle maintenance performed?	Y / N	
	Are oils used ?	Y / N	Pump oils, HVAC
	Are these corrosive wastes?	Y / N	unknown
	Are there sludges?	Y / N	
	Are there halogenated organic (nonsolvent) wastes?	Y / N	
	Are metals recovered from wastewater?	Y / N	Rm 214 silver recovery.
	Is waste sludge generated?	Y / N	
	Are any waste minimization practices used that reduce the generation of sludge?	Y / N	N/A
	Ion exchange process?	Y / N	
	Lead in gasoline lowered to reduce tank sludge toxicity?	Y / N	
	Storage tank agitators installed?	Y / N	
	Corrosive resistant materials used?	Y / N	
	Prevention of crude oil oxidation ?	Y / N	
	Drying?	Y / N	

Environmental Appraisal Checklist

Building Name: T

Appraisers: Paulick, Adkins, Ross Date: 1-29-96

Waste Minimization/Pollution Prevention Activities Checklist

Regulatory Guideline	Question	Response	Comments
HALOGENATED ORGANIC (NONSOLVENT) WASTES			
	Are halogenated organic wastes used as fuel in cement kilns?	Y / (N)	
	Are baghouse filters used to collect pesticides and pesticide intermediates?	Y / N	N/A
	Are solid wastes generated from the collection of baghouse dust?	Y / N	
	Wet instead of dry grinding used?	Y / N	
	The output spray dried?	Y / N	
	Has baghouse emptying and recycling of baghouse fines been scheduled?	Y / N	
	Have operations been evaluated to improve procedures such as handling, storage and spill prevention for increased efficiency?	Y / N	No evidence
METAL WASTES			
	Are any technologies for the recovering of metals from waste rinsewater used?	(Y) / N	
	Evaporation of waste rinsewater?	Y / (N)	
	Reverse osmosis?	Y / (N)	
	Ion exchange?	(Y) / N	silver sponge
	Electrolysis?	Y / (N)	
	Agglomeration?	Y / (N)	
CORROSIVE WASTES			
	Are acidic or basic cleaning solutions used as treatment for pH adjustment chemicals?	Y / (N)	

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Environmental Appraisal Checklist

Building Name: T

Appraisers: Paulich, Adkins, Ross Date: 1-29-96

Waste Minimization/Pollution Prevention Activities Checklist

Regulatory Guideline	Question	Response	Comments
	Are ion exchange resins used to remove heavy metals and cyanides from acid and base solutions?	Y / N	N/A
	Is crystallization used to remove corrosives from solution by cooling?	Y / N	
	Is the process of evaporation of liquid wastes by heating used to leave behind a more concentrated solution?	Y / N	
CYANIDE AND REACTIVE WASTES			
	Has non-cyanide or low concentration of cyanide process replaced zinc cyanide bath ?	Y / N	N/A
	Are any of these processes used to recycle cyanide wastes?	Y / N	
	Refrigeration/crystallization?	Y / N	
	Evaporation?	Y / N	
	Ion exchange?	Y / N	
	Membrane separation which includes reverse osmosis or electrodialysis?	Y / N	
VEHICLE MAINTENANCE			
	How are auto parts cleaned?	Y / N	N/A
	Solvent sink?	Y / N	
	Solvent dunk bucket?	Y / N	
	Solvent dip tank?	Y / N	
	Are parts cleaning solvents used for anything else besides cleaning parts?	Y / N	
	Are spills reduced by locating sinks or dunk buckets near auto service bays?	Y / N	

Environmental Appraisal Checklist

Building Name: T Appraisers: Paulick, Adkins, Ross Date: 1-29-96

Waste Minimization/Pollution Prevention Activities Checklist

Regulatory Guideline	Question	Response	Comments
	Are cleaned parts drained on the sink to minimize solvent spills?	Y / N	N/A
	Are drip tanks used to capture losses?	Y / N	↓
	Is a solvent sink used for mineral solvents rather than a dunk bucket or dip tank?	Y / N	↓
	Does a waste hauler collect solvent waste for recycling or treatment?	Y / N	↓
OILS			
	What kind of oils are used?		polyphenyl ether, Duoseal
	Hydraulic oil?	(Y) / N	
	Transformer oil?	(Y) / N	
	Metal working fluids?	Y / (N)	
	Spent lubricating oils?	(Y) / N	
	Can the process be modified or changed to use water-based fluids?	Y / (N)	
	Are these good housekeeping and operation practices used to minimize oil waste production?		
	Use oils not contaminated with other liquids?	Y / (N)	cyclohexane / polyphenyl ether
	Oil spills prevented?	(Y) / N	
	Drip pans installed?	(Y) / N	were applicable
	Oil soaked rags laundered?	Y / (N)	Disposed as rad waste
	Rags and absorbants used to their limit?	(Y) / N	

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Environmental Appraisal Checklist

Building Name: T

Appraisers: Paulick, Adkins, Ross Date: 1-29-96

Waste Minimization/Pollution Prevention Activities Checklist

Regulatory Guideline	Question	Response	Comments
	Are these treatment techniques used to promote separation of oil/water wastes?		N/A
	Reclaiming process to remove water and solvents by heat?	Y / N	
	Gravity setting?	Y / N	
	Screening?	Y / N	
	Centrifugation?	Y / N	
	Filtration?	Y / N	
SOLVENT WASTES			
	Has there been an attempt to reduce volume or toxicity by:		
*	Eliminating solvents?	(Y) / N	using alcohols instead of halogenated VOC
	Reducing the use of solvents?	(Y) / N	
	Reducing the loss of solvents?	Y / N	unknown
	Increasing recyclability?	Y / (N)	
	Are solvents segregated?	(Y) / N	
	Are waste solvents free from water and garbage?	(Y) / N	
	Are recycled solvent containers labeled as such?	Y / N	N/A
	Are containers kept closed?	Y / N	
	Free and sheltered from the elements?	Y / N	
	Are solvent tanks kept as free from contaminations as possible so that the waste can be recycled?	Y / N	
	Is a method used to minimize the use of new materials such as a countercurrent process?	Y / (N)	

* Need to reconsider substitute for acetone since LDR/UTS reinstated F003 solid wastes

Environmental Appraisal Checklist

Building Name: T

Appraisers: Paulick, Adkins, Ross Date: 1-29-96

Waste Minimization/Pollution Prevention Activities Checklist

Regulatory Guideline	Question	Response	Comments
	If there is a recycling program, what technique is used?	Y / N	N/A
	Distillation?	Y / N	
	Solids removal?	Y / N	
	Dispersion breaking?	Y / N	
	Dissolved and emulsified organics recovery?	Y / N	
	Are any of these housekeeping procedures used to minimize the production of solvent wastes?		
	Separators cleaned and checked?	Y / N	
	Parts not allowed to enter the degreaser while wet?	Y / N	
	Sludge from the bottom of the tank not allowed to accumulate?	Y / N	
	Lids kept on tanks?	Y / N	
	Freeboard space on tanks increased?	Y / N	
	Are better operating practices used to reduce waste?	Y / N	
	How long is solvent waste stored and where?	_____ _____	unknown.

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9.30.6.2 Building Manager's Questionnaire

Building Manager's Questionnaire

Building Name: T Building Manager: C.E. Gallaher Phone: 865-4030 Date: 12-07-95
Assistant / Alternate: S.L. Romage Phone: 865-4518

1. What are the access requirements (training, clearance, etc.)?
GERT or RAD WORKER II TRAINING plus T-Bldg Entrance/Exit Briefing, Course Code 065026 and MECS entry through Visitor Access.
2. What protective equipment is required to enter the building?
None

3. Are there any restricted areas? (Yes) No
Where are they?
All RBA's throughout the building.

4. Provide a physical description of the building.

This 172,936-ft² building is one of the original structures of the Mound site. It is an underground, two-story, massively constructed (~~12~~ 16-foot thick reinforced concrete) structure with central steam and chilled water HVAC systems. The building has a large tunnel with inside dock. The building is contaminated with radiological materials. Extensive asbestos abatement was done in 1990.

Source: Mound Facility Physical Characterization, 12-1-93

5. Provide a drawing of the building.

Attached

6. What is the current building use?

Building is used for tritium operations, tritium recovery, calorimetry production, ~~tritium commercial sales,~~ heat source calibration, x-ray facility, and safeguards gamma scanning.

Source: Mound Buildings, 5-9-95

7. What is the history of building use other than that described in #6?
The building was constructed for the processing of bismuth and beryllium, and for nickel carbonyl vapor deposition plating processes. All of these processes were concluded in 1964.
Original use also included Neutron Activation Analysis and an X-Ray facility.

Source: Mound Buildings, 5-9-95

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Building Manager's Questionnaire

Building Name: T Building Manager: C.E. Gallaher Phone: 865-4030 Date: 12-07-95
Assistant /Alternate: S.L. Romage Phone: 865-4518

8. What are ongoing operations or processes? What are the raw materials and waste streams from each process? Who is the best contact for each process?

Process(es) Housed: Tritium handling facilities, non-destructive testing, radon labs, milliwatt testing lab, calorimetry programs, health physics, Pu safeguards verification

How Wastes Are Generated:

Tritium Handling Facilities: A number of systems designed to handle tritium are housed in Building T. They include the Tritium Aqueous Waste Recovery System (TAWRS), the Hydrogen Isotope Separation System (HISS), Kyle, Savannah River Operation Contingency (SROC), Tritium Engineering Development Lab (TEDL), and a planned Tritium Emissions Reduction Facility (TERF). Wastes from these operations are generally tritium contaminated trash such as paper, shoe covers, gloves, etc. They are disposed of as LSA and Type A radioactive wastes.

Nondestructive Testing: Solvents kept in this area include ethyl and isopropyl alcohol, acetone, and methylene chloride. Ethyl alcohol is the primary solvent used for cleaning, and it is generally flushed down the drain. Isopropyl alcohol and methylene chloride are no longer used in this area. Acetone is used infrequently. A Fuji x-ray film developer is also operated here. It is equipped with a silver recovery system.

Development: Radioactive trash from development work is packaged and disposed of as LSA or Type A wastes. Solvents used in development include ethyl alcohol for cleaning, 1,1,1-trichloroethane for cleaning and degreasing, acetone for cleaning electronic equipment during repair. In general, the solvents evaporate during cleaning. If liquid wastes remain, they are put in waste solvent cans for pickup by Waste Management. Each solvent is put in a separate can. Small amounts of nitric and oxylic acids are used for etching metallographic samples, with the residual being rinsed down the lab sinks with adequate water for dilution.

Radon Labs: These labs are being dismantled. Radioactive trash will be generated as the labs are cleaned out. Some butyl alcohol (3 gal) stored here will be disposed of also.

Milliwatt Testing Lab: Ethyl alcohol is used here in small amounts. It evaporates. Pump oil and vacuum grease in this area are changed by maintenance, and they dispose of the wastes. This lab will be moved to Building M.

Calorimetry Program: Hazardous wastes are not generated by operation of calorimeters. Some wastes are produced in the machine shop where calorimeters are made. Scrap aluminum coated with cutting fluids is generated when calorimeter bodies are made by machining a solid aluminum cylinder. An outside contractor picks up this non-radioactive, non-hazardous waste. Solid polystyrene cylinders are also drilled out to form part of the calorimeter body. The polystyrene scrap is put in the non-radioactive trash. Cutting fluids not lost on the scrap aluminum are recycled. Equipment in the shop is

Building Manager's Questionnaire

Building Name: T Building Manager: C.E. Gallaher Phone: 865-4030 Date: 12-07-95
Assistant /Alternate: S.L. Romage Phone: 865-4518

cleaned with soap and water. Some Freon (estimated 2 qt/yr) is used to clean machined parts. It evaporates.

Health Physics: Samples are counted in scintillation vials in Building T. DuPont Atomlight is the scintillation cocktail. Used scintillation vials are deposited in one of two waste cans depending on their level of radioactivity. Waste Management picks up both cans.

Other Building Wastes: Oil in the hydraulic elevator is changed periodically. Some asbestos waste was generated during building cleanup. Oxalic acid is used for etching steel and is flushed down the drain. Cyclohexane is used to clean vane pumps and evaporates. Contaminated pump oil is disposed of as radioactive waste.

Contact:
Phone #:

Source: Characterization of Mound's Hazardous, Radioactive, and Mixed Wastes, (8-15-90).

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Building Manager's Questionnaire

Building Name: T Building Manager: C.E. Gallaher Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

9. In the last six months, have any modifications been made to the building or to processes in the building? Yes (No)

10. Does the building have air emission sources? Yes

Process Source	Room Number	Hood Number	Active	Chemicals Used	Quantity Used	Quantity to Waste Management	Lbs./Yr. Operation	Air Emissions
Small Components	078A	T078A0001	Y	thoriated tungsten	0.0008		0.4992	
Component assembly	214, 215 216		Y	ethanol	0.0153		9.18	
Component assembly	307		Y	ethanol D90G Developer fluorescent penetrant	0.0153	DP52 Dye HM-405	9.18	
Small Components	315	T3150001	Y	acetone pyrotechnic in desicator	0.001		0.0041	
Small Components	323	T3230001	Y	acetone magNOBond 432 ethanol	0.001 0.0004		1.04 0.416	
Components Assembly	011	T0110001, 2,3	Y	citrus cleaner				
Components Assembly	016	T01600001	Y	citrus cleaner ethanol, Acetic & Oxalic		HCl, HNO3 Acid		
Components Assembly	037	T0370001	Y	ethanol	0.016		12	
Standby	041	T0410001	Y	acetone ethanol				
Components Assembly	050	T0500002	Y	citrus cleaner				
Components Assembly	058	T0580001	Y	ethanol acetone	0.0016 0.009		0.192 1.08	
Components Assembly	059	T0590001	Y	citrus cleaner				
Components Assembly	266	T2660001, 3	Y	citrus cleaner				
Components Assembly	274	T2470001	Y	citrus cleaner				
Components Assembly	R127	R1270001	Y	hydrochloric acid sodium carbonate sodium bicarbonate sodium hydroxide sulfuric acid	0.0007 0.0007 0.0057 0.0075 0.0009		0.0021 0.0021 0.0171 0.0225 0.0027	
Components Assembly	R127	R1270002	Y	acetone methanol	0.037 0.0222		0.074 0.0444	
Components Assembly	R127	R1270003	Y	acetone methanol	0.037 0.0222		0.074 0.0444	
Components Assembly	R128	R1280001	Y	acetone methanol isopro-panol	0.017 0.0102 0.0051		2.04 1.224 0.612	
Components Assembly	R128	R1280002	Y	hydrochloric acid nitric acid sulfuric acid	0.0004 0.0009 0.0006		0.4 0.9 0.6	
Components Assembly	R128	R1280003	Y	nitric acid	0.0001		0.001	
Components	R130	R1300001	Y	acetone ethanol	0.003 0.0012		3 1.2	
Standby	R155	R1550001	Y					

R-BUILDING

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Building Manager's Questionnaire

Building Name: T Building Manager: C.E. Gallaher Phone: _____ Date: 12-07-95
Alternate: _____ Phone: _____

Process Source	Room Number	Hood Number	Active	Chemicals Used	Quantity Used	Quantity to Waste Management	Lbs./Yr. Operation	Air Emissions
Standby	R159B	R159B0002	Y					
Components Assembly	R166	R166001	Y	hydrofluoric acid nitric acid	0.0022 0.0149		0.33 2.235	
Components Assembly	R166	R1660002	Y	acetone ethanol methylene chloride isopropanol	0.933 0.3716 1.233 0.09		139.95 55.74 184.95 13.5	
Standby	R168	R1680001	Y					
Standby	R170	R1700001	Y					
Components Assembly	R171	R1710001	Y	ethanol	0.0004		0.0016	
Standby	R179	R1790001	Y					
Standby	R181	R1810001	Y					
Standby DG			Y	particulates sulfur dioxide VOCs nitrogen oxides carbon monoxide	0.0431 0.0403 0.05 0.6129 0.132		0.0862 0.0806 0.1 1.2258 0.264	
Standby DG			Y	particulates sulfur dioxide VOCs nitrogen oxides carbon monoxide	0.0431 0.0403 0.05 0.6129 0.132		0.0862 0.0806 0.1 1.2258 0.264	

Source: R-BUILDING

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Building Name: T Contact: C.E. Gallagher or S.L. Romage Date: 1-9-96

11. Describe air pollution control equipment used to reduce emissions for each source. None Listed

Process Source	Emissions	Control Equipment	Functioning
			Y / N
			Y / N
			Y / N
			Y / N
			Y / N

Source: Air Permits 2/4/95

12. For existing permits are emissions monitored? At what frequency? Where are the records maintained? None Listed

Process Source	Permit	Log	Permit Conditions & Frequency of Monitoring
		Y / N	
		Y / N	
		Y / N	
		Y / N	
		Y / N	

Source: Air Permits 2/4/95

13. Does the building have domestic water service? Yes No
Is there bottled water? Yes No

14. Does the building discharge to the storm sewer? (Yes) No
Where? From Building to roadway between DS & E, then to storm run-off pond.

15. Does the building discharge to the sanitary sewer? (Yes) No
Where? SD

16. Has an asbestos survey been conducted? Yes
What are the results? Yes

Source: Technical Manual MD-10391, Issue 3 Asbestos Program Manual 9/6/95

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Building Managers Questionnaire

Building Name: T Contact: C.E. Gallaher w S.L. Romage Date: 1-9-96

17. Does the building contain transformers or capacitors? YES

    Source: PCB ANNUAL DOCUMENT LOG

18. Has the building been identified as containing PCBs? YES

    Source: PCB ANNUAL DOCUMENT LOG

19. What chemicals are used or stored inside or outside of the building? Include compressed gasses not in large tanks.

Chemical Name	State	Amount (MAX)
Attached		

Source: Chemical Inventory 1994

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LIL BROTHER SAM	STATE CHEMICAL	10	QT	20	QT	40	QT	T	281	L	N	1		BERNHEISEL
NABC	SPARTAN CHEM	30	T	40	QT	200	QT	T	281	L	N	1		BERNHEISEL
ODOR BANE	CERTIFIED CHEM	10	GA	15	GA	30	GA	T	281	L	N	1	4	BERNHEISEL
WINDOW SHINE	VALLEY JANITORIAL SUPPLY	10	GA	50	GA	20	GA	T	281	L	N	1	4	BERNHEISEL
ACETONE	FISHER	500	ML	750	ML	200	ML	T	315	PL	M	1	4	WIEDENHEF
BEZOIC ACID	NIST	30	G	40	G	15	G	T	315	PL	M	1	4	WIEDENHEF
MINERAL OIL	HUMCO LAB	16	OZ	16	OZ	1	OZ	T	315	PL	M		4	WIEDENHEF
SODIUM CARBONATE	MCB	450	G	450	G	0		T	315	PL	M	1	4	WIEDENHEF
ZR/BACRO4	NIST	40	G	40	G	3	G	T	315	PL	M	1	4	WIEDENHEF
ACETONE	FISHER	2	QT	2	QT	2	QT	T	323	L	F	1	4	DUFF
CIMPERIAL 1011	CINCINNATI MILICRON	1	GA	1	GA	2	GA	T	323	L	N	1	4	DUFF
COCONUT OIL		2	QT	2	QT	2	QT	T	323	L	F	1	4	DUFF
DEVCON EPOXY	DEVCON CORP.	10	OZ	10	OZ	10	OZ	T	323	L	N	1	4	DUFF
EPOXY HARDENER 932	MAGNOLIA PLASTICS	5	QT	6	QT	32	QT	T	323	L	N	1	4	DUFF
EPOXY RESIN	MAGNOLIA PLASTICS	3	GA	4	GA	9	GA	T	323	L	N	1	4	DUFF
ETHYL ALCOHOL	FISHER	1	GA	1	GA	1	GA	T	323	L	F	1	4	DUFF
GAUGE BLOCK CLEANER	DOALL CO.	18	OZ	18	OZ	18	OZ	T	323	L	F	2	4	DUFF
GAUGE BLOCK PRESERVATIVE	DOALL CO.	18	OZ	18	OZ	18	OZ	T	323	L	F	2	4	DUFF
KLEEN SURF	DOALL CO.	36	OZ	36	OZ	36	OZ	T	323	L	F	2	4	DUFF
LOCKTITE SEALANT	LOCKTITE CORP.	2	OZ	2	OZ	2	OZ	T	323	L	N	1	4	DUFF
METHYLETHYL KETONEPEROXIDE	EGGER PLASTICS	3	OZ	3	OZ	0	OZ	T	323	L	N	1	4	DUFF
POLYESTER IN MONOMER	EAGER PLASTICS	3	QT	3	QT	0	QT	T	323	L	N	1	4	DUFF
RTV	SEALANT	8	OZ	8	OZ	8	OZ	T	323	L	R	1	4	DUFF
TOOLMAKERS INK	CROWN INDUSTRIES	32	OZ	32	OZ	16	OZ	T	323	L	F	2	4	DUFF
WD-40	WD-40 CO.	32	OZ	27	OZ	18	OZ	T	323	L	F	2	4	DUFF
ALGAECIDE	POOL TIME PRODUCTS	1	GA	1	GA	6	OZ	T	40	L	N	1	4	SEILER
CASO4	HAMMOND DRIERITE CO.	10	LB	8	LB	2	LB	T	40	S	M	1	4	SEILER
CHLOROFORM	FISHER CHEMICAL	0.5	L	0.5	L	0.25	L	T	40	L	M	1	4	SEILER
ETHYL ALCOHOL	AAPER ALCOHOL AND CHEMICAL CO.	2	GA	2	GA	1	PT	T	40	L	N	1	4	SEILER
ETHYLENE GLYCOL	J.T. BAKER CHEMICAL	7	L	8	L	6	L	T	40	L	M	1	4	SEILER
SIO2	EM SCIENCE	2	KG	2	KG	0.5	KG	T	40	S	M	1	4	SEILER
ULTIMA GOLD	PACKARD	5	GA	8	GA	10	GA	T	40	L	N	1	4	SEILER
WINDOW SHINE	VALLEY JANITOR SUPPLY	1	GA	1	GA	0.5	GA	T	40	L	N	1	4	SEILER
ACETONE	FISHER	4	L	5	L	1	L	T	41	LP	M	1	4	WIEDENHEI
ANISOLE	KODAL	0.5	KG	0.5	KG	0		T	41	LP	M	1	4	WIEDENHEFT
METHYL ALCOHOL	FISHER	4	L	5	L	0	L	T	41	L	M	1	4	WIEDENHEFT
SANTOVAC	MONSANTO	400	ML	400	ML	100	ML	T	41	L	M	1	4	WIEDENHEFT
DEUTERIUM	UNION CARBIDE	450	CF	450	CF	200	CF	T	57	G	L	2	4	STEPHAN
HELIUM	UNION CARBIDE	900	CF	1350	CF	2025	CF	T	57	G	L	2	4	STEPHAN
NEON	AIP PROD.	225	CF	450	CF	200	CF	T	57	G	L	2	4	STEPHAN
DIRECT DRIVE PUMP OIL	ACATEL	2	L	4	L	0	L	T	58	L	N	1	4	WIEDENHEFT
ETHYLENE GLYCOL	MALLINCKRODT	11	PT	11	PT	1	PT	T	58	LP	M	1	4	WIEDENHEFT
WINDOW SHINE	VALLEY JANITORIAL SUPPLY	1.5	GA	2	GA	0.25	GA	T	58	L	N	1	4	WIEDENHEFT
ALCOHOL,ETHYL	U.S.GOVT.	1	PT	1	PT	1	PT	T	59	L	N	1	4	STEPHAN
CYCLOHEXANE CWA POLLUTANT	MALLICRKODT	0	PT	1	PT	1	PT	T	59	L	N	1	4	STEPHAN
POLYPHENOLETHER	MONSANTO	1	PT	1	PT	1	PT	T	59	L	N	1	4	STEPHAN

4% HYDROGEN IN ARGON	AIR PRODUCTS	1125	CF	1125	CF	0	CF	T	63	G	L	1	4	STPHAN
AMBERLITE IRN-150	ROHM HAAS	43	LB	43	LB	0	LB	T	63	S	F	1	4	STEPHAN
AMBERLITE IRN-77	ROHM & HAAS	43	LB	43	LB	0	LB	T	63	S	F	1	4	STEPHAN
ARGON COMPRESSED	MG-INDUSTRIES	225	CF	225	CF	0	CF	T	63	G	L	1	4	STEPHAN
ETHYLENE GLYCOL	PPG INDUSTRIES	3	L	3	L	0	L	T	63	L	N	1	4	STEPHAN
ETHYLENE GLYCOL	NORTHERN PETRO CO.	0.5	L	0.5	L	0	L	T	63	L	N	1	4	STEPHAN
HELIUM	UNION CARBIDE	225	CF	225	CF	0	CF	T	63	G	L	1	4	STEPHAN
MOLECULAR SIEVE PELLETS	VARIOUS MFGS.	5	GA	5	GA	0	GA	T	63	S	F	1	4	STEPHAN
NEON	AIR PRODUCTS	225	CF	225	CF	0	CF	T	63	G	L	1	4	STEPHAN
NITROGEN (GAS)	MG INDUST.	450	CF	450	CF	0	CF	T	63	G	L	1	4	STEPHAN
OMEGATHERM	OMEGA ENGINEERING	4	OZ	4	OZ	0	OZ	T	63	L	F	1	4	STEPHAN
OXYGEN (103 PPM IN N2)	AIRCO	225	CF	225	CF	0	CF	T	63	G	L	1	4	STEPHAN
PROPANE	TURNER	14	OZ	14	OZ	0	OZ	T	63	G	L	1	4	STEPHAN
ZEOLITE	LINDE	5	GA	5	GA	0	GA	T	63	S	F	1	4	STEPHAN
POTASSIUM HYDROXIDE	FISHER	1	LB	1	LB	0	LB	T		S	M	1	4	SCHUMACHER
ACETONE	FISHER	1.5	GA	1.5	GA	0	GA	T	215C	L	M	1	4	MILLER
ADCLEAN DEVELOPER CLEANER	FUJI	1	GA	2	GA	1	GA	T	215C	L	N	1	4	MILLER
ADCLEAN FIXER CLEANER	FUJI	1	GA	2	GA	1	GA	T	215C	L	N	1	4	MILLER
ADSTART DEVELOPER STARTER	FUJI	1	GA	2	GA	0.5	GA	T	215C	L	N	1	4	MILLER
AUDEL X-RAY DEVELOPER (PART A)	FUJI	4	GA	16	GA	32	GA	T	215C	L	N	1	4	MILLER
AUDEL X-RAY DEVELOPER (PART B)	FUJI	48	OZ	192	OZ	384	OZ	T	215C	L	N	1	4	MILLER
AUDEL X-RAY DEVELOPER (PART C)	FUJI	320	ML	1280	ML	2560	ML	T	215C	L	N	1	4	MILLER
AUDEL X-RAY DEVELOPER (PART D)	FUJI	16	OZ	64	OZ	126	OZ	T	215C	L	N	1	4	MILLER
ETHYL ALCOHOL	AAPER ALCOHOL & CHEMICAL CO	2	GA	3	GA	1	GA	T	215C	L	N	1	4	MILLER
ISOPROPYL ALCOHOL	MALLINCKRODT	40	L	40	L	0	L	T	215C	L	M	1	4	MILLER
METHYLENE CHLORIDE	HERBERT-VERKAMP CALVERT CO	8	GA	8	GA	0	GA	T	215C	L	M	1	4	MILLER
TONER KIT	RICHO	4	LB	4	LB	2	LB	T	226	S	K	1	4	DUFF
WD-40	WD-40 CO.	11	OZ	11	OZ	1	OZ	T	227	L	F	2	4	DUFF
ALCOHOL,ETHYL	U.S.GOVT.	1	L	2	L	1	L	T	274	L	N	1	1	STEPHAN
ARGON	M.G.INDUST.	450	CF	450	CF	200	CF	T	274	G	L	2	4	STEPHAN
COMPRESSOR OIL		4	GA	6	GA	2	GA	T	274	L	F	1	1	STEPHAN
CYCLOHEXANE	MALLINCRODT	1	L	2	L	1	L	T	274	L	M	1	1	STEPHAN
EPOXY HARDENER	HARDMAN	2	OZ	2	OZ	0	OZ	T	274	L	F	1	4	STEPHAN
EPOXY RESIN	HARDMAN	2	OZ	2	OZ	0	OZ	T	274	L	F	1	4	STEPHAN
LIQUID NITROGEN	M.G.INDUST.	1	L	1	L	0.25	L	T	274	L	C	2	7	STEPHAN
POLYPHENYLETHER-5 VANE PUMP OIL	MONSANTO	1	L	1	L	0.5	L	T	274	L	F	1	1	STEPHAN
VACUUM PUMP OIL	DUOSEAL	3	GA	4	GA	2	GA	T	274	L	N	1	1	STEPHAN
ABOVE FLOOR FIN	BUTCHERS	20	GA	30	GA	40	GA	T	281	L	N	1	4	BERNHEISEL
CONQUEST	CHARDON LAB INC	10	GA	20	GA	10	GA	T	281	L	N	1	4	BERNHEISEL
DMQ	SPARTAN CHEM	15	GA	30	GA	30	GA	T	281	L	N	1	4	BERNHEISEL
FLORCO	FLORDIAN	1000	LB	100	LB	2800	LB	T	281	S	J	1	4	BERNHEISEL

Building Managers Questionnaire

Building Name: T Contact: C.E. Gallaher or S.L. Romage Date: 1-10-96

20. Has there been a reported spill, leak, or other release of any chemical? Yes No
What, how much, and what clean-up measures were followed?

Chemical	Amount	Clean-up Measures

Source: _____

21. Where do waste chemicals go? Picked up by Waste Mgmnt at point of use T-38.

22. What janitorial supplies are stored inside or outside of the building?

NABC
DINQ
CONQUEST
WINDOW SHINE
KINDESSCARE
LAUA SOAP
RINSE FREE
ABOUE WAX
FLOOR SHINE SEALER

23. Where do excess janitorial supplies go?
ROOMS BUE ELEVATOR IN 285 + 287
METAL CABINET IN 298, 06 → 217

Source: R. Joanne Tincher (T-Custodian)

24. Are pesticides or herbicides stored or used in or around the building? Yes (No)

Chemical	Amount	Chemical	Amount

Source: _____

9.30-63

Building Managers Questionnaire

Building Name: T Contact: C.E. Gallaher or S.L. Romage Date: 1-15-96

25. Does the building contain active or inactive above ground storage tanks? Yes No
For each tank, list the content, quantity, last inspection, registration number.

Registration Number	Content	Quantity	Last Inspection Date	Preventive Maintenance Performed	Inside Or Outside
MG INDUSTRIES # UNKNOWN	LIQUID ARGON	~70,000 lb max	7/31/95	?	OUTSIDE: BETWEEN PAINT SHOP & BD 25
AIR PRODUCTS NO. 601817	COMPRESSED HELIUM	~30,000 lb MAX	?	?	SAME AS LIQUID AR
?	FIRE WATER	10,000 GAL	?	?	INSIDE: T-1
AIRCO, # UNKNOWN	LIQUID NITROGEN	68,640 lb MAX	?	?	OUTSIDE: south side of road between T & HH
AIRCO, # UNKNOWN	LIQUID NITROGEN	~70,000 lb MAX	?	?	OUTSIDE: NORTH SIDE OF ROAD BETWEEN T & HH
Fuel Oil	Removed	Rm 1			

Source: ~~Emergency and Hazardous Chemical Inventory Form - Chemical Storage Tanks on EGG Mound Site Owned and Maintained by Outside Contractors 8/8/94~~ 1-15-96
Bldg Mgr inspection on 1-15-96

26. Is there a sump or pit or underground tank in or around the building?
(Yes) No Unknown
Is it double-walled? No What does it contain? sewage & storm How many days per year is it filled? 365
Is there an emergency overflow tank? No Have there been previous overflows? Yes

Double-Walled	Contents	Days/Year in Use	Overflow Tank	Previous Overflow
Y / (N)	sewage & storm	365	Y / (N)	(Y) / N

Source: 11 inactive

15 ~~11~~ ACTIVE
7. SANITARY
2. storm
2 CONDENSA
4 FIRE WELLS

27. Does the building generate, store, or dispose of hazardous waste? (Yes) No

Materials	Amount
ATTACHED	

Source: Characterization of Mounds Hazardous, Radioactive, and Mixed Wastes 08/15/90

9.30-64

DG	ANTIFREEZE, WATER WASTE	NONE	261.8
DG	ANTIFREEZE, WATER WASTE	NONE	496.3
D	ANTIFREEZE, WATER WASTE	NONE	504.0
DG	ANTIFREEZE, WATER WASTE	NONE	208.0
DG	GLOWMAX TILE	NONE	40.0
DG	GLOWMAX TILE	NONE	58.9
DG	OIL WASTE, MINERAL OIL	NONE	406.0
DG	OIL WASTE, VACUUM PUMP OIL	NONE	52.0
DG	OIL, WATER WASTE	NONE	485.7
DG	PCB CONTAMINATED GLOVE, >500PPM PCB FROM T BLDG TRANSFORMER TESTING	PCB2	1.2
DG	PCB OIL, SCINTILLATION COCKTAIL, >500PPM PCB FROM T BLDG TRANSFORMER TESTING	PCB2	1.1
DG	PHENYL DI-2-BUTYL PHOSPHONATE	NONE	212.5
DG	SILICA GEL	NONE	41.6
DG, T WEST	CAPACITORS (8), >500 PPM PCB, FROM SN: G8553798	PCB2	594.0
DG, T WEST	OIL, >500 PPM PCB (ASKAREL), PORTABLE TANK, FROM SN: G8553798	PCB2	2772.0
DG, T WEST	TRANSFORMER, DRAINED, >500 PPM PCB (ASKAREL), SN: G8553798	PCB1	5075.0
)	SPECTRUM BLACK PRE-MIX 4841-16-3	D001	7.8
14	DP-52 DYE PENETRANT	NONE	240.0
4	SILVER PLATING CELL	D011	8.5
	CLEAR DISPERSANT	D001	11.4
2	SPECTRUM CYAN PRE-MIX 4854-16-6	D001	4.2
	SPECTRUM YELLOW PRE-MIX 4852-16-6	D001	1.3
	TONER PRE-MIX TYPE H	D001	32.6
4	ACETIC ACID	D002	0.1
44	ALUMINA PELLETS	NONE	0.4
44	AMBERLITE	NONE	3.5
4	AMMONIUM THIOCYANATE	NONE	0.1
44	CALCIUM SULFATE	NONE	5.0
44	CARBON	NONE	5.3
4	CHROMIUM CATALYST 211	D007	0.5
4	COBALT CATALYST	NONE	0.3
44	COBALT SILICA CATALYST	NONE	0.2
44	DIBENZO-18-CROWN-6	NONE	0.1
	IRIDIUM PELLETS	NONE	0.5
4	MAGNESIUM	D001 D003	1.8
44	PEEK	NONE	1.5
	POTASSIUM PERSULFATE	D001	0.1
	RHENIUM PELLETS	NONE	0.5
	SILICA GEL	NONE	0.3
	SODIUM CHLORIDE SOLUTION	NONE	0.1
	SODIUM HYDROXIDE PELLETS	NONE	1.0
44	SODIUM NITRATE	D001	6.8
4	SODIUM SULFIDE SOLUTION	D003	0.1
4	SULFURIC ACID	D002	0.1
44	VANADIUM POWDER	NONE	0.1
07	GADOLINIUM METAL	NONE	0.3
07	GADOLINIUM, TELLURIUM METAL	NONE	0.4
7	NEODYMIUM METAL	NONE	2.3

bldg. 9, 30-65

PRAESIDIUM OXIDE METAL	NONE	2.3
SAES GETTER	D001 D003	1.8
SAMARIUM METAL	NONE	0.3
TANTALUM METAL	NONE	0.2
TELLURIUM METAL	NONE	0.2
THULIUM METAL	NONE	0.1
YTTERBIUM, TELLURIUM METAL	NONE	0.2
OIL WASTE	NONE	172.7
NONHAZ SCINTILLATION VIALS	NONE	242.9
NONHAZ SCINTILLATION VIALS	NONE	161.6
NONHAZ SCINTILLATION VIALS	NONE	58.5
NONHAZ SCINTILLATION VIALS	NONE	115.2
NONHAZ SCINTILLATION VIALS	NONE	209.7
NONHAZ SCINTILLATION VIALS	NONE	228.8
NONHAZ SCINTILLATION VIALS	NONE	106.6
NONHAZ SCINTILLATION VIALS	NONE	233.2
NONHAZ SCINTILLATION VIALS	NONE	233.0
NONHAZ SCINTILLATION VIALS	NONE	221.9
NONHAZ SCINTILLATION VIALS	NONE	62.8
NONHAZ SCINTILLATION VIALS	NONE	128.4
NONHAZ SCINTILLATION VIALS	NONE	219.7
NONHAZ SCINTILLATION VIALS	NONE	170.8
NONHAZ SCINTILLATION VIALS	NONE	204.4
NONHAZ SCINTILLATION VIALS	NONE	231.6
NONHAZ SCINTILLATION VIALS	NONE	212.0
NONHAZ SCINTILLATION VIALS	NONE	232.0
NONHAZ SCINTILLATION VIALS	NONE	148.2
NONHAZ SCINTILLATION VIALS	NONE	70.8
NONHAZ SCINTILLATION VIALS	NONE	227.4
PCB CLEANUP DEBRIS FROM T2 DRIP	PCB2	7.4
CERAMIC SPHERES	NONE	121.0
CERAMIC SPHERES	NONE	125.4
TRICHLORO ETHANE (1,1,2-)	F002	166.0
FERRIC CHLORIDE SOLUTION	D002	350.0
LECTROLESS NICKEL MAKE UP	D008	40.0
TRACER TECH DYE PENETRANT AND EMULSIFIER	NONE	120.0
TURCO DY CHEK PENETRANT	D001	345.4
NOXON POLISH	D001	17.6
SILICA GEL	NONE	5.0
TAP MAGIC	D001 F002	1.0
NONHAZ SCINTILLATION VIALS	NONE	151.5
SILICA GEL	NONE	79.1

Building Managers Questionnaire

Building Name: T Contact: C.E. Gallagher or S.L. Romage Date: 1-15-96

28. Does the building have abandoned process equipment such as tanks, piping, containers, etc.? Yes (No) NAA lab Safe Shutdown Areas

29. Is waste material stored in or around the building for more than 90 days? (Yes) No TRU waste stored in tunnel. Waste ~~fro~~ NOT FROM BUILDING

30. Has the building been identified as a 90-day waste accumulation area? Yes (No)

31. Has any area in the building been identified as a satellite accumulation area? (Yes) No Photo labs 214, 215 vac pump oil

32. Is mixed waste generated, stored, or disposed of from the building? Yes (No)
Where are logs found?
Potential mixed waste could be generated during safe shutdown

Process	Waste	Stored	Disposed	Logs
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N

Source: Bldg Mgr

9.30-67

Building Managers Questionnaire

Building Name: T Contact: C.E. Gallaher or S.L. Romage Date: 1-9-96

33. Is TRU radioactive waste generated, stored, or disposed of from the building?
Yes No
Where are logs found? Waste Management

Process	Waste	Stored	Disposed	Logs
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N

Source: Bldg mgr

Stored in East Tunnel and in T-3E

9.30-68

Building Managers Questionnaire

Building Name: T Contact: C.E. Gallaher or S.L. Romage Date: 1-9-95

36. Is there a waste minimization program in the building? Yes No
Discuss your ideas about how to minimize waste.

Not to my knowledge. CG

37. Has a pollution prevention program been developed for the building? Yes No

Not to my knowledge. CG

9.30-69

Building Name: T Contact: S.L. Romage C.E. Gallaher Date: 1-9-96

34. Is low-level radioactive waste generated, stored, or disposed of from the building? Yes No
Where are logs found? Decon and Waste Management

Process	Waste	Stored	Disposed	Logs
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N
		Y / N	Y / N	Y / N

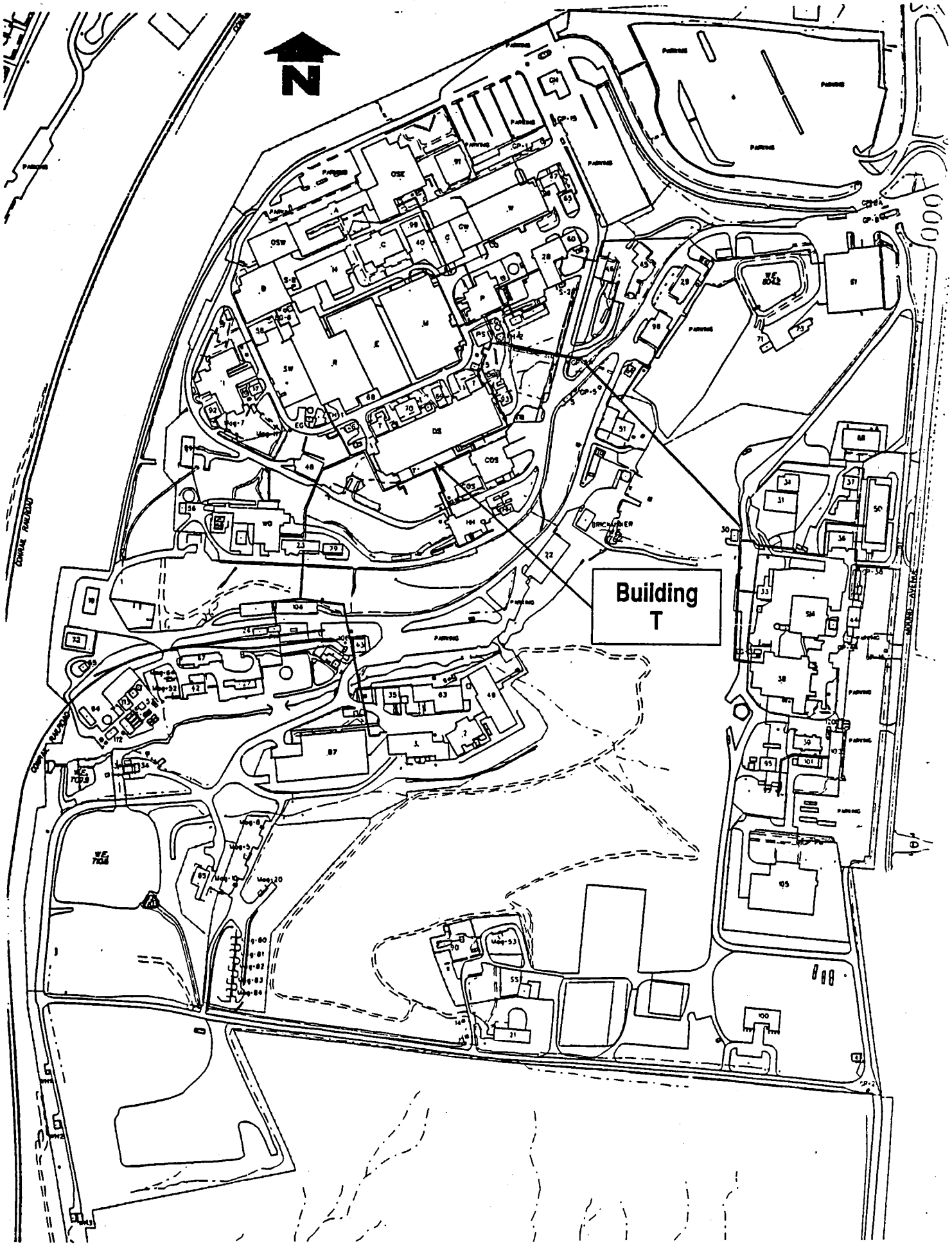
Source: _____

35. Identify all administrative orders, temporary or permanent injunctions, civil administrative penalties, or criminal activities issued against the building.

9.30-70

9.30-69

9.30.6.3 Location of Building T



SOURCE: Operable Unit 9, Site Scoping Report: Volume 7-Waste Management Mound Plant, 7-92

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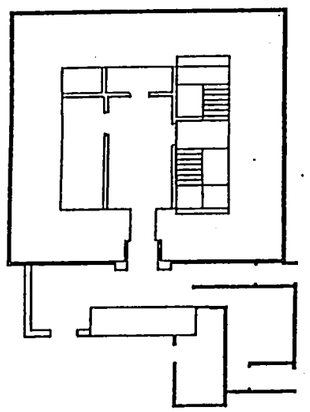
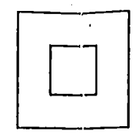
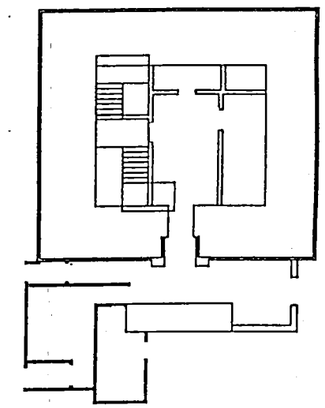
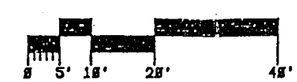
9.30.6.4 Floor Plans for Building T

ISS	DATE	REVISION	BY	CHKR	ENG	LP&EC	APVD
Ø	12/12/91	ASBUILT ISSUE	DCW				DVD









UNCLASSIFIED

DERIVATIVE CLASSIFIER

(Signature)

S. Class. Ind. 2/20/96

(Title) (Date)

T BLDG
TOWERS
BLDG CODE:3515

SHEET	1	2	3	4	5	6
ISSUE	Ø	Ø	Ø			

TITLE (U) TITLE CLASSIFICATION
T BLDG
FLOOR PLANS

PART CLASSIFICATION

DRAWING CLASSIFICATION UCNI

SIZE D | DRAWING NUMBER FSD911325 | JOB NUMBER 12335

DWG TYPE SFP | PROM T BLDG | CADEC 14Ø65 | SCALE AS NOTED | SHEET 1 OF 3

STATUS MD-REL-12/12/91 | ORIGIN MD-BR3-V3.Ø

DESIGN ENG	PROJ MGR
SPONS	ENG SUPV
LP & EC	PEER REV
ENG MGR	
APVD	DATE

NOT FOR PUBLIC DISSEMINATION

MAY CONTAIN UNCLASSIFIED CONTROLLED NUCLEAR INFORMATION SUBJECT TO SECTION 148 OF THE ATOMIC ENERGY ACT OF 1954, AS AMENDED (42 USC 2168). APPROVAL BY THE DEPARTMENT OF ENERGY PRIOR TO RELEASE IS REQUIRED.

[redacted]LS: DATE:
[redacted] COMMITTEE REQUIRED:
[redacted]E ___TRUEBOC ___TEBOC ___EMBOC
TECH. REAP. _____ _____
GR. MGR. _____ _____
TRUEBOC _____ _____
TEBOC _____ _____
EMBOC _____ _____

9.30-77

Additional Floor plans are located in Appendix I—Unclassified Controlled Nuclear Information (UCNI), found in Volume 12 (Section 10.1) of this report.

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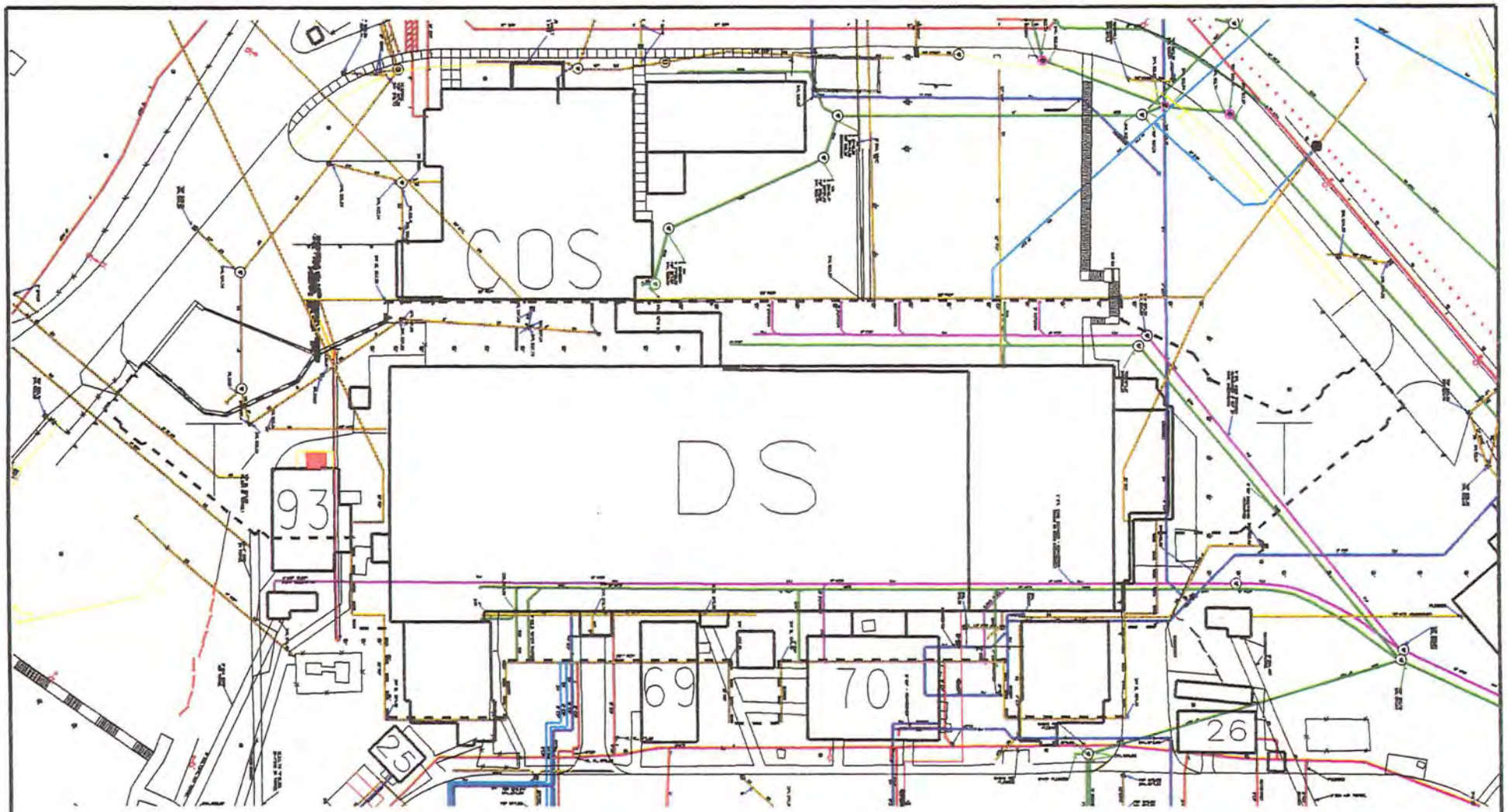
9.30.6.5 Underground Utility Lines



FIRE
POTABLE
RAW
SANITARY
STORM
RADIOLOGICAL

N

UNCLASSIFIED

E.G.&G.-MOUND

UNDERGROUND WATER & WASTE LINES

BLDG. T
DATE: 03-12-96

9.30-83

9.30.6.6 Photographs

Mound Plant Building T

9.30-87