

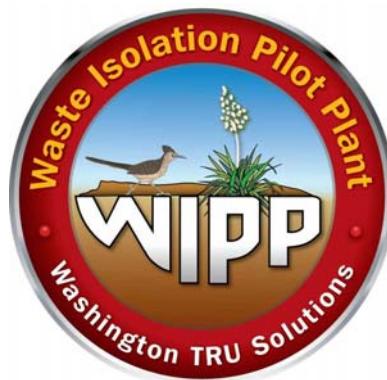
Effective Date: 1/30/08

WP 12-RP.01

Revision 3

U.S. Department of Energy  
Waste Isolation Pilot Plant Emergency  
Planning Hazards Survey  
Report

Approved: Approval on File 1/23/08  
Robert Wade, Manager Date  
Radiological Services and Emergency  
Management



U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3

---

**TABLE OF CONTENTS**

1.0	INTRODUCTION .....	1
2.0	DESCRIPTION OF THE WIPP SITE FACILITIES AND OPERATIONS .....	1
2.1	Site Area Descriptions .....	1
2.2	Facilities Covered .....	1
3.0	IDENTIFICATION AND SCREENING OF HAZARDS .....	2
3.1	Chemicals .....	2
3.1.1	Chemical Inventory .....	2
3.1.2	Chemical Screening Methodology.....	2
3.1.3	Chemical Screening Results .....	3
3.2	Radiological Materials.....	4
3.2.1	Radiological Inventory.....	4
3.2.2	Radiological Screening .....	4
3.2.3	Radiological Materials Screening Results .....	5
3.3	Biological Materials .....	6
3.3.1	Biological Material Screening .....	6
3.3.2	Biological Material Screening Results .....	6
3.4	Potential Emergency Conditions and Impacts .....	6
3.5	Emergency Planning and Preparedness Requirements .....	7
4.0	CONCLUSION.....	7
5.0	REFERENCES .....	8
Appendix A.....		A-1
Appendix B.....		B-1

**LIST OF TABLES**

Table 1 - Potential Emergency Conditions and Impacts.....	7
Table 2 - Hazardous Materials Summary .....	8

U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3

---

## **1.0 INTRODUCTION**

This report documents the Hazards Survey for facilities at the U.S. Department of Energy (DOE) Waste Isolation Pilot Plant (WIPP) site. The Hazards Survey was conducted in accordance with WP 12-11, Development and Maintenance of Hazards Surveys. WP 12-11 and this Hazards Survey meet the requirements of DOE Order 151.1C, *Comprehensive Emergency Management System*, and DOE Guide 151.1-2, *Emergency Management Guide, Technical Basis*, addressing that a Hazards Survey be conducted to identify the conditions to be addressed by the comprehensive emergency management program. The Hazards Survey (1) consists of a qualitative assessment of the potential emergency conditions associated with the facilities and/or projects in the area, along with the potential health, safety, or environmental impacts; (2) identifies biological, chemical, and radioactive materials that are considered potential airborne release hazards for inclusion into the Hazardous Material Program; and (3) includes a review and summary of emergency planning and preparedness requirements that apply to the facility.

The scope of this Hazards Survey is limited to the hazards associated with the WIPP site and the government-leased and -operated Skeen-Whitlock office building. The primary facilities within WIPP site are identified in Table A-1 in Appendix A.

## **2.0 DESCRIPTION OF THE WIPP SITE FACILITIES AND OPERATIONS**

### **2.1 Site Area Descriptions**

The WIPP site is described in the Contact-Handled (CH) Documented Safety Analysis (CH DSA), Section 1.3; and the Remote-Handled (RH) DSA, Section 1.3.

The WIPP facilities are designed to the requirements of DOE Order 6430, *General Design Criteria Manual for Department of Energy Facilities*, and are located on and beneath the Land Withdrawal Act (LWA) 16 sections, which contain the WIPP site and define its limits. The WIPP facilities are divided into three basic groups of structures: surface structures, underground structures, and shafts.

### **2.2 Facilities Covered**

This Hazards Survey covers the DOE facilities and operations within the Property Protection Area (PPA) and the Exclusive Use Area (EUA). The PPA boundary is defined as an area of approximately 35 acres that contains the WIPP surface structures and is surrounded by a chain-linked fence topped with barbed wire. The EUA boundary is defined as an area of approximately 290 acres that contains the PPA and is surrounded by a barbed wire fence. The WIPP site is categorized as a Hazard Category 2 nuclear facility. Additionally, the government-leased and -operated Skeen-Whitlock office building is addressed.

Table A-1 in Appendix A summarizes all the facilities addressed and the hazards present.

## **3.0 IDENTIFICATION AND SCREENING OF HAZARDS**

The objective of this section is to identify hazards that are significant enough to warrant consideration in a facility's operational emergency hazardous material program. Hazards are distinguished as chemical, radioactive, or biological hazardous materials.

### **3.1 Chemicals**

#### **3.1.1 Chemical Inventory**

Chemicals at the WIPP site are in the form of purchased chemicals and chemicals present in the TRU mixed waste. Inventory data for the purchased chemicals was obtained from the WIPP Hazard Materials Management Plan Tracking System. The purchased chemical inventory was based on the 3<sup>rd</sup> Quarter 2007 chemical inventory and walk-down performed per WP 12-IH.02-4, WIPP Industrial Hygiene Program – Hazard Communication and Hazardous Materials Management Plan. This document requires that all purchased chemicals be inventoried quarterly. Thus, the inventory evaluated as part of this Hazards Survey represents a snapshot in time, WP 12-IH.02-4 has recently been revised to require written approval of the WIPP Emergency Manager prior to procurement of chemicals that exceed the screening criteria noted below. This allows the WIPP Emergency Management manager to update this Hazards Survey and the Emergency Planning Hazards Assessment (EPHA) if need be prior to bringing chemicals of concern onto the WIPP site.

Chemicals present in the TRU mixed waste were identified base on information available in the DSAs.

#### **3.1.2 Chemical Screening Methodology**

Once the inventories were identified, chemicals were screened against the following four criteria from DOE G 151.1-2, *Technical Planning Basis Emergency Management Guide*:

- Common Public Use Exclusion
- Lab Scale Exclusion
- Low Dispersibility Exclusion
- Low Toxicity Exclusion

##### **(1) Common Public Use Exclusion**

Materials that are commonly available to and used by the public are eliminated from further consideration, if the formulation and concentration is the same as for products that are distributed without significant restrictions to the public. Examples of products that may be excluded are cleaning products, bleach, motor oil, gasoline, paint, and pesticides not designated as restricted use by the U.S. Environmental Protection Agency.

U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3

---

(2) Lab Scale Exclusion

Materials that are handled, stored, and used in amounts that do not exceed laboratory-scale quantities are eliminated from further consideration. Laboratory-scale is defined in 29 CFR §1910.1450 as that for which containers used for reactions, transfer, and other handling of substances are designed to be easily and safely manipulated by one person. For Hazards Survey screening purposes, quantities may be considered laboratory scale if they do not exceed 40 pounds (or five gallons for liquids), or 10 pounds for bottled gases. Extremely high toxicity materials (gases with NFPA health rating of 4) are exempt from this exclusion.

(3) Low Dispersibility Exclusion

Chemicals that do not present an airborne exposure hazard due to their physical form or other factors are eliminated from further consideration. Materials may be excluded if they meet one of the following tests:

- Substance is solid at ambient temperatures and does not include a significant fraction of small particles (particle diameter < 10 microns) that can readily be suspended in air.
- Substance is a liquid that exhibits a vapor pressure (or partial pressure when in solution) of less than 1 mm Hg at 25°C. In aqueous solutions, the material of concern may have a negligible partial pressure; reported vapor pressure may be only the partial pressure of the water (e.g., sodium hydroxide solution).

(4) Low Toxicity Exclusion

Eliminate from further consideration chemicals with an NFPA 704 Health Hazard Rating of 2 or lower.

Chemicals not excluded by one of the above criteria must be quantitatively analyzed in the EPHA.

### **3.1.3 Chemical Screening Results**

A detailed screening of the purchased chemical inventory is presented in Appendix B. All purchased chemicals reviewed met at least one of the criteria noted above and all have been screened out from further consideration in an EPHA. Hazardous materials, other than standard office products and cleaning supplies, are not used or stored in the Skeen Whitlock Building.

Per the DSAs, the most common hazardous constituents in the TRU mixed waste consist of metals (e.g., cadmium, chromium, lead, mercury, selenium, silver, and lead), solidified sludges, cemented laboratory liquids, waste from decontamination and

U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3

---

decommissioning activities, and halogenated and non-halogenated volatile organic compounds (VOCs) from solvents. Concentrations of twenty-nine VOCs in the headspace gases have been calculated and are summarized in the WIPP Hazardous Waste Facility Permit (HWFP). The most prevalent VOCs observed in the headspace gases are methylene chloride and carbon tetrachloride. Other hazardous constituents that appear as co-contaminants in TRU waste, and which are of interest in fire scenarios, include asbestos, beryllium, and PCBs.

Of the common hazardous constituents noted above, all have a NFPA Health Hazard Rating of 2 or less with the exception of silver (assuming silver nitrate, lunar caustic), beryllium, carbon tetrachloride and mercury. The NFPA Health Hazard Rating for mercury assumes mercury vapor, a chemical form not found in TRU mixed waste. Therefore, mercury is screened from further consideration. Of those remaining constituents beryllium has the lowest Protective Action Criteria (PAC) (ERPG-2) of 0.025 mg/m<sup>3</sup>. This PAC, three orders of magnitude less than silver nitrate, lunar caustic, and five orders of magnitude less than carbon tetrachloride. Due to beryllium's low PAC, coupled with the WAC limits for beryllium (up 100 kg per container), beryllium is considered the dominant chemical constituent in TRU mixed waste at WIPP and must be carried forward for further analysis in the EPHA.

For emergency planning purposes, the hazardous constituents are to be assumed to be in all waste. This allows a single chemical constituent to be representative for co-contaminants for emergency planning purposes.

## **3.2 Radiological Materials**

### **3.2.1 Radiological Inventory**

Radiological inventories were taken primarily from the WIPP DSAs and the sealed radioactive source inventory developed per WP 12 HP3200, WIPP Radiological Material Control Program. A detailed presentation of the radiological inventory is provided in Appendix B.

### **3.2.2 Radiological Screening**

Radioactive materials that may be excluded from the inventory include:

- Sealed radioactive sources engineered to pass special form testing specified by the U.S. Department of Transportation (DOT) in 49 CFR §173.469 or testing specified by the American National Standards Institute (ANSI) standard, ANSI N43.6, *Sealed Radioactive Sources – Classification*.
- Materials in solid form for which there is no plausible dispersal mechanism.
- Materials stored in DOT Type B shipping containers (with overpack) if the Certificates of Compliance are current and the materials stored are authorized by the Certificate.

U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3

---

- Materials used in exempt, commercially available products as described in 10 CFR §30.11-30.19 (e.g., timepieces, illumination devices, and thermostats).

Radionuclides that do not meet the above criteria are screened using DOE-STD-1027-92. Radioactive hazardous materials that require further analysis in an EPHA include the radioactive materials listed in DOE-STD-1027-92 in quantities greater than the Category 3 values given in Attachment 1, Table A.1 of that Standard. Additionally, if the sum of the ratios of the inventory of each nuclide to that radionuclides screening quantity is greater than or equal to one, then none of the radionuclides can be screened.

$$\sum_{i=1}^n \frac{r_i}{SQ_i} \geq 1.0 \quad [\text{Eq. 3-1}]$$

where:  
r = Radionuclide  
SQ = Screening Quantity for individual radionuclide (Ci)  
n = Number of radionuclides

If the inventory for a building is unable to be screened, radionuclides may be eliminated from further consideration if the cumulative dose contribution from those radionuclides does not exceed 10 percent of the dose for the entire inventory. This additional screening is done as part of the quantitative analysis is the EPHA.

WIPP is a Hazard Category 2 nuclear facility. However, DOE G 151.12 requires the use of Hazard Category 3 screening criteria in DOE-STD-1027-92 to be used for the Hazards Survey and EPHA for emergency planning.

### **3.2.3 Radiological Materials Screening Results**

A review of WP 12-HP3200 indicates that all the sealed sources at the WIPP site have been engineered to pass special form testing specified by the U.S. Department of Transportation (DOT) in 49 CFR §173.469 or testing specified by ANSI N43.6, and therefore can be screened out from further consideration. Additionally, WP 12-HP3200 has recently been modified to require written approval of the WIPP Emergency Management manager prior to procurement of sealed or unsealed radioactive sources that exceed the screening criteria noted above, which allows the WIPP emergency management program to update this Hazards Survey and the EPHA if need be, prior to bringing radioactive sources of concern onto the WIPP site.

The inventory limits for any one of the waste containers authorized for use at the WIPP site as identified in Appendix B exceed the Hazard Category 3 screening criteria in DOE-STD-1027-92. These authorized waste containers arrive at the WIPP site in shipping containers that meet DOT Type B container qualifications and as such the shipping containers in there full up condition do not require further analysis. However, once removed from the shipping containers the waste containers are handled in the Waste Handling Building, the Waste Shaft, and the Underground. Therefore, further analysis of the radiological inventory in these facilities is required in an EPHA.

U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3

---

A more detailed discussion of the radiological screening, including all inventory data, is provided in Appendix B.

### **3.3 Biological Materials**

#### **3.3.1 Biological Material Screening**

Hazardous biological agents and toxins identified in DOE O 151.1C require an EPHA and Hazardous Material Program. Specific hazardous biological agents and toxins must include federally regulated agents and toxins identified in lists published in U.S. Department of Health and Human Services regulations [42 CFR Part 73] and U.S. Department of Agriculture (USDA) regulations [7 CFR Part 331 and 9 CFR Part 121], and require an EPHA and a Hazardous Material Program. Toxins listed in 42 CFR Part 73 and 9 CFR Part 121 must exceed the minimum quantities specified to be federally regulated.

#### **3.3.2 Biological Material Screening Results**

The handling of federally regulated agents and toxins identified in lists published by the U.S. Department of Health and Human Services in 42 CFR Part 73 and the USDA in 7 CFR Part 331 and 9 CFR Part 121 is not within the mission of the WIPP site. Per the WAC, Section 3.1.3, "Only TRU-mixed waste and TRU waste that have been characterized in accordance with the WAP and that meet the Treatment, Storage, and Disposal Facility (TSDF) waste acceptance criteria as presented in the HWFP conditions B-1c or II.C.3.a through II.C.3.l of the WIPP Hazardous Waste Facility Permit will be accepted at the WIPP facility for disposal in the permitted underground hazardous waste disposal unit." Therefore, federally regulated agents and toxins are not present at the WIPP site and are screened out from further evaluation.

### **3.4 Potential Emergency Conditions and Impacts**

As specified in DOE Order 151.1C, the Hazards Survey must identify emergency conditions that may occur at a facility and describe potential health, safety, or environmental impacts. For emergency planning purposes, malevolent acts are required to be considered. In addition, based on a review of the Hazard Identification supporting the WIPP DSAs, the following potential emergency conditions and impacts applicable to the WIPP site are identified in Table 1. A review on a structure by structure basis is provided in Appendix A.

U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3

---

**Table 1 - Potential Emergency Conditions and Impacts**

Emergency Condition	Building(s)	Potential Impacts
Breached waste container	WHB, Waste Shaft, Underground	Worker death/injury
Fire	All	Facility/equipment damage Worker death/injury
Natural phenomena	All	Facility/equipment damage Worker death/injury
Malevolent act	All	Facility/equipment damage Worker death/injury
External hazard	All	Worker death/injury

### **3.5 Emergency Planning and Preparedness Requirements**

As specified in DOE Order 151.1C, the Hazards Survey must summarize emergency planning and preparedness requirements that apply to the WIPP site. Emergency planning and preparedness requirements applicable to the WIPP site are identified as:

- DOE Order 151.1C (base program)
- OSHA, 29 CFR 1910.38; 29 CFR §1910.165
- Federal Property Management, 41 CFR §101-20.103-4 and 41 CFR §101-20.105
- Federal Emergency Management Agency, 44 CFR Part 302
- EPA, CERCLA, 40 CFR Part 302

### **4.0 CONCLUSION**

A Hazards Survey was conducted for the WIPP site and the Skeen-Whitlock building in accordance with WP 12-11. The Hazards Survey includes a compilation, review, and screening of the chemical, biological, and radioactive materials located within these sites. Materials present at the Skeen-Whitlock building were screened and fell below the established thresholds, so no further analysis is required for that building. Materials present within the WIPP site that were screened and did not fall below the established thresholds require further analysis in an EPHA. These materials are identified in Table 2.

U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3

---

**Table 2 - Hazardous Materials Summary**

<b>Building</b>	<b>Chemicals</b>	<b>Biological</b>	<b>Radionuclides</b>
WHB	Beryllium	None Identified	Multiple TRU waste containers inventory limits of each container exceed DOE-STD-1027-92 Hazard Category 3 Threshold Quantities
Waste Shaft	Beryllium	None Identified	Multiple TRU waste containers inventory limits of each container exceed DOE-STD-1027-92 Hazard Category 3 Threshold Quantities
Underground	Beryllium	None Identified	Multiple TRU waste containers inventory limits of each container exceed DOE-STD-1027-92 Hazard Category 3 Threshold Quantities

The results of the Hazards Survey indicate that the WIPP site does have the potential for Operational Emergencies requiring classification. Therefore, development of an EPHA is warranted as required, per WP 12-12, Development and Maintenance of Emergency Planning Hazards Assessments. A more detailed summary of the Hazards Survey screening results for the WIPP site is provided in Appendix A.

## 5.0 REFERENCES

29 CFR Part 1910, Subpart 1450, *Occupational Exposure to Hazardous Chemicals in Laboratories*, U.S. Department of Labor, Washington, D.C.

DOE Order 151.1C, *Comprehensive Emergency Management System*, U.S. Department of Energy, Washington, D.C.

DOE Guide 151.1-2, *Emergency Management Guide*, Technical Basis, U.S. Department of Energy, Washington, D.C.

DOE-STD-1027-92, *Hazard Categorization and Accident Analysis Techniques for Compliance with DOE Order 5480.23*, Nuclear Safety Analysis Reports, U.S. Department of Energy, Washington, D.C.

DOE/WIPP-95-2065, Waste Isolation Pilot Plant Contact Handled (CH) Waste Documented Safety Analysis, Revision 10

DOE/WIPP-06-3174, Waste Isolation Pilot Plant Remote Handled (RH) Waste Documented Safety Analysis, Revision 0

WP 12-11, Development and Maintenance of Hazards Surveys, Revision 0.

WP 12-12, Maintenance and Development of Emergency Planning Hazards Assessments

U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3

---

WP 12-HP3200, WIPP Radiological Material Control Program

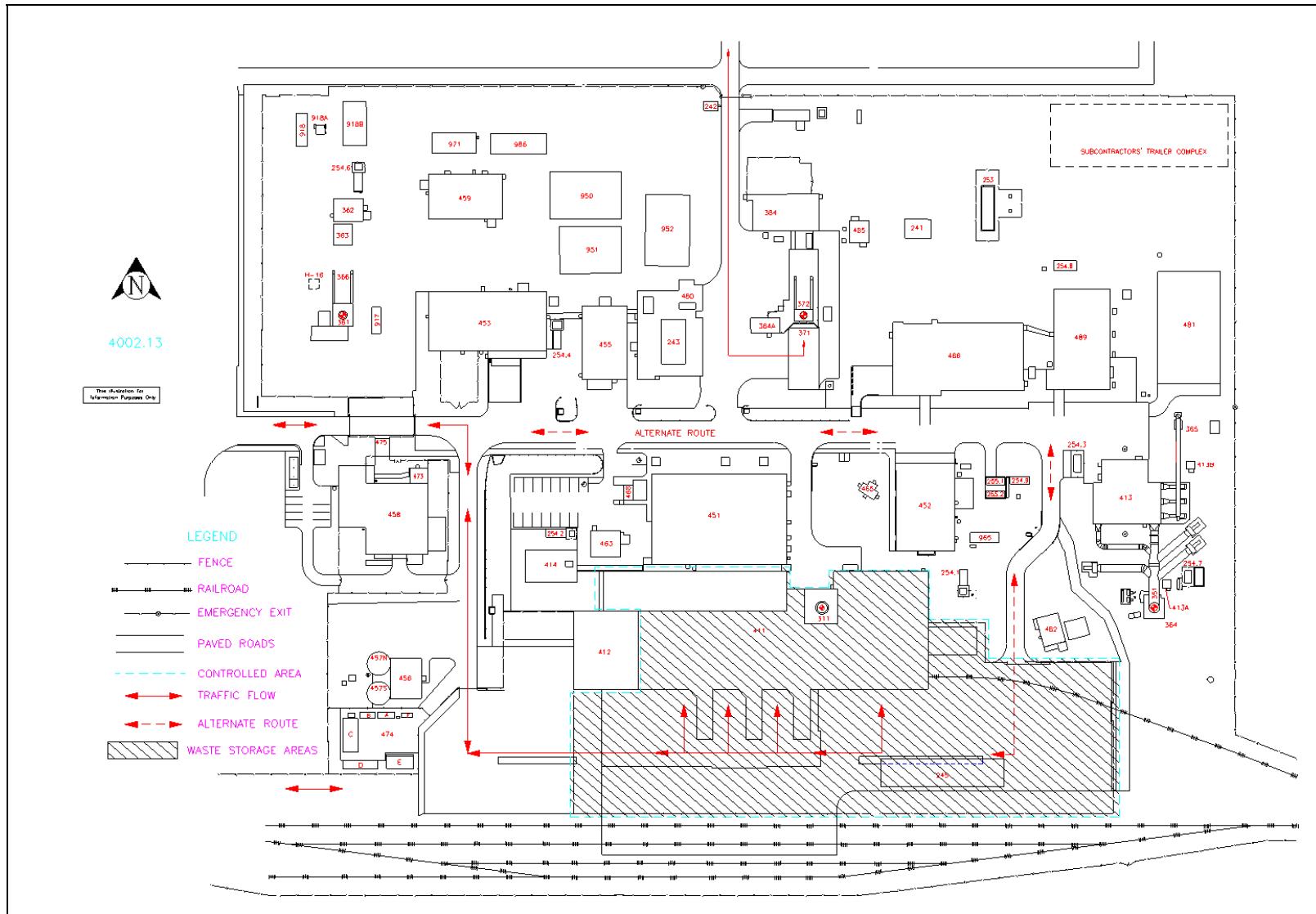
WP 12-IH.02-4, WIPP Industrial Hygiene Program – Hazard Communication and Hazardous Materials Management Plan, Revision 5.

U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3

---

## **Appendix A**

U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3



**Figure A-1- WIPP Site**

**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

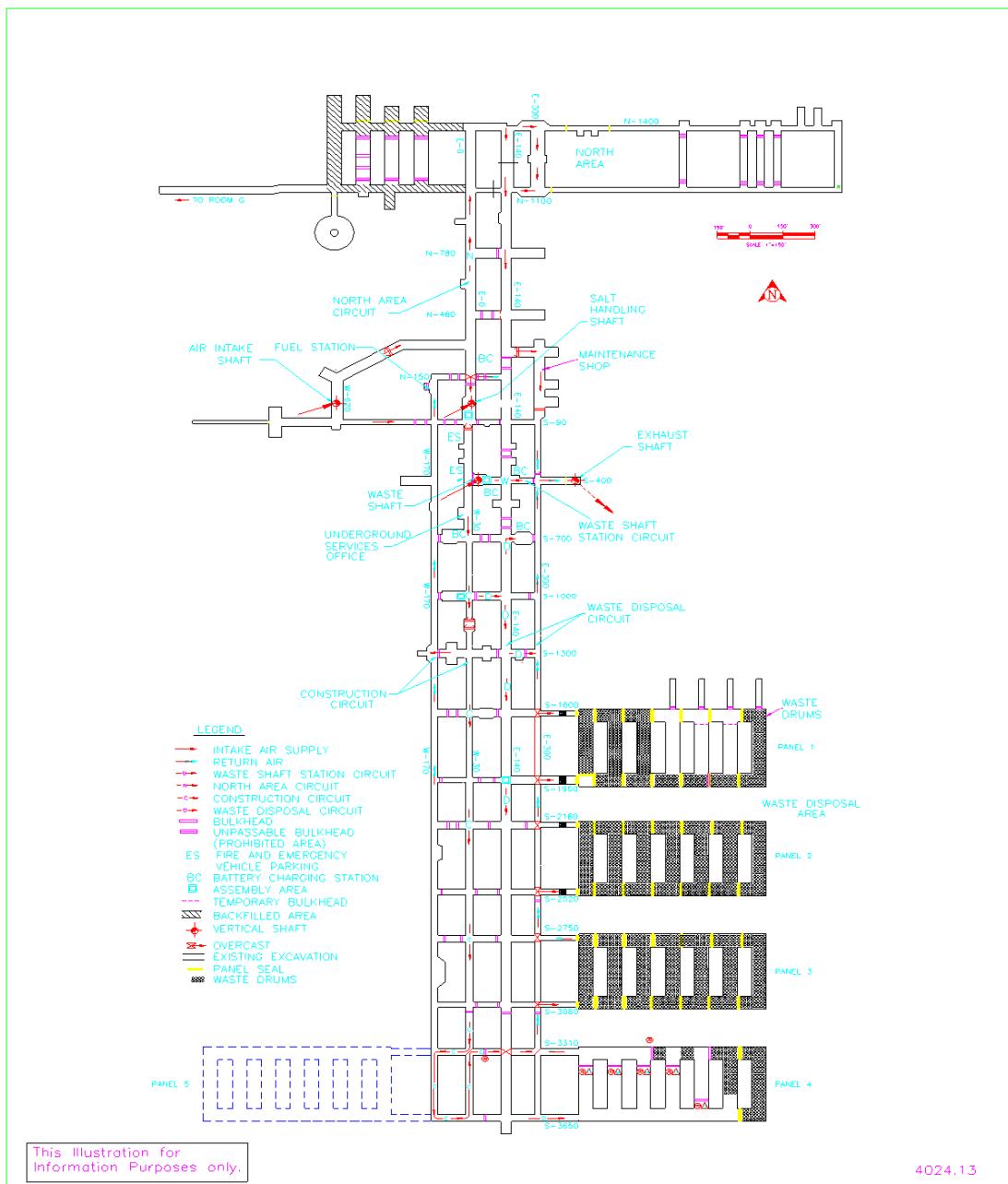
---

BLDG./ FAC. #	DESCRIPTION	BLDG./ FAC. #	DESCRIPTION	BLDG./ FAC. #	DESCRIPTION
242	NORTH GATEHOUSE	457N	WATER TANK 25-D-001B	910	ENVIRONMENTAL MONITORING TRAILER
243	SALT HAULING TRUCKS SHELTER	457S	WATER TANK 25-D-001A	917	AIS TRAILER
245	TRUPACT TRAILER SHELTER	458	GUARD AND SECURITY BUILDING	918	GEOTECHNICAL ENGINEERING
255.1	DIESEL GENERATOR #1 25P-E-503	459	TOOL CRIB	918A	VOC AIR MONITORING STATION
255.2	DIESEL GENERATOR #2 25P-E-504	463	COMPRESSOR BUILDING	918B	VOC LAB TRAILER
311	WASTE SHAFT	465	AUXILIARY AIR INTAKE	950	WORK CONTROL TRAILER
351	EXHAUST SHAFT	468	TELEPHONE HUT	951	CONSTRUCTION ENGINEERING
361	AIR INTAKE SHAFT	474	HAZARDOUS WASTE STORAGE FACILITY	952	INTEGRATED WASTE HANDLING
362	AIR INTAKE SHAFT/HOIST HOUSE	475	GATEHOUSE	965	SAMPLE PREPARATION LAB
363	AIR INTAKE SHAFT/WINCH HOUSE	480	VEHICLE FUEL STATION	971	SANDIA NATIONAL LABS
364	EFFLUENT MONITORING INSTRUMENT SHED A	481	AUXILIARY WAREHOUSE	986	CLEANING CONTRACTOR
365	EFFLUENT MONITORING INSTRUMENT SHED B	482	EXERCISE ROOM		
366	AIR INTAKE SHAFT HEADFRAME	485	COMPRESSOR BUILDING		
371	SALT HANDLING SHAFT	486	ENGINEERING BUILDING		
372	SALT HANDLING SHAFT HEADFRAME	489	TRAINING BUILDING		
384	SALT HANDLING SHAFT HOISTHOUSE				
384A	SALT HOIST OPERATIONS				
411	WASTE HANDLING BUILDING				
412	TRUPACT MAINTENANCE FACILITY				
413	EXHAUST FILTER BUILDING				
413A	EFFLUENT MONITORING ROOM A				
413B	EFFLUENT MONITORING ROOM B				
414	WATER CHILLER FACILITY & BLDG				
451	SUPPORT BUILDING				
452	SAFETY & EMERGENCY SERVICES BUILDING				
453	WAREHOUSE/SHOPS BUILDING				
455	MAINTENANCE SHOP				
456	WATER PUMPHOUSE				

4003.12

This illustration for  
Information Purposes Only

**Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**



**Figure A-2 - Underground Layout**

U.S. Department of Energy Waste Isolation Pilot Plant  
 Emergency Planning Hazards Survey Report  
 WP 12-RP.01, Rev. 3

---

**Table A-1 - Hazards Survey Summary**

Building ID	Type/Use	Nominal Occupancy (Ground Floor/Other)	Classified Material	Special Conditions	Hazardous Material	Emergency Conditions per Table A-2a Code 1	Potential Impacts per Table A-2b Code 2	Applicable Requirements per Table A-2c Code 3
Skeen-Whitlock Building	Offices	450	No	None	<b>Radiological materials exceeding screening values:</b> None  <b>Chemicals exceeding screening values:</b> None  <b>Other materials considered for analysis:</b> None	1, 2, 10, 11	1, 2, 3, 4, 10	1, 2, 3
451 – Support Building	Central Monitoring Room (CMR), Laboratory, Offices	100	No	Room 126 identified as a radiological controlled area due to its former use as a storage location for sources; storage cabinet #001 in lab contains tracers	<b>Radiological materials exceeding screening values:</b> None  <b>Chemicals exceeding screening values:</b> None  <b>Other materials considered for analysis:</b> None	1, 2, 10	1, 3, 13, 14	1, 2, 3
452 – Safety Building	Nurse's Station, EOC, Vehicle Bay	100	No	None	<b>Radiological materials exceeding screening values:</b> None  <b>Chemicals exceeding screening values:</b> None  <b>Other materials considered for analysis:</b> None	1, 2, 4, 10	1, 3, 13, 14	1, 2, 3
453 – WHSE	Warehouse	10	No	None	<b>Radiological materials exceeding screening values:</b> None  <b>Chemicals exceeding screening values:</b> None  <b>Other materials considered for analysis:</b> None	1, 2, 4, 10	1, 3, 4	1, 2, 3

U.S. Department of Energy Waste Isolation Pilot Plant  
 Emergency Planning Hazards Survey Report  
 WP 12-RP.01, Rev. 3

---

**Table A-1 - Hazards Survey Summary**

Building ID	Type/Use	Nominal Occupancy (Ground Floor/Other)	Classified Material	Special Conditions	Hazardous Material	Emergency Conditions per Table A-2a Code 1	Potential Impacts per Table A-2b Code 2	Applicable Requirements per Table A-2c Code 3
455	Maintenance Shop	10	No	None	<b>Radiological materials exceeding screening values:</b> None  <b>Chemicals exceeding screening values:</b> None  <b>Other materials considered for analysis:</b> None	1, 2, 4, 5, 10	1, 3, 4	1, 2, 3
463	Compressor Building, Switchgear	0	No	None	<b>Radiological materials exceeding screening values:</b> None  <b>Chemicals exceeding screening values:</b> None  <b>Other materials considered for analysis:</b> None	1, 2, 5, 10	1, 3, 4, 5, 14	1, 2, 3
481	Aux Warehouse		No	None	<b>Radiological materials exceeding screening values:</b> None  <b>Chemicals exceeding screening values:</b> None  <b>Other materials considered for analysis:</b> None	1, 2, 4, 10	1, 3, 4	1, 2, 3
485	Compressor Building near Salt Hoist	0	No	None	<b>Radiological materials exceeding screening values:</b> None  <b>Chemicals exceeding screening values:</b> None  <b>Other materials considered for analysis:</b> None	1, 2, 5, 10	1, 3, 4, 5, 14	1, 2, 3

U.S. Department of Energy Waste Isolation Pilot Plant  
 Emergency Planning Hazards Survey Report  
 WP 12-RP.01, Rev. 3

---

**Table A-1 - Hazards Survey Summary**

Building ID	Type/Use	Nominal Occupancy (Ground Floor/Other)	Classified Material	Special Conditions	Hazardous Material	Emergency Conditions per Table A-2a Code 1	Potential Impacts per Table A-2b Code 2	Applicable Requirements per Table A-2c Code 3
486	Engineering Building	100	No	None	<b>Radiological materials exceeding screening values:</b> None  <b>Chemicals exceeding screening values:</b> None  <b>Other materials considered for analysis:</b> None	1, 2, 4, 10	1, 3, 4	1, 2, 3
489	Training Building	100	No	None	<b>Radiological materials exceeding screening values:</b> None  <b>Chemicals exceeding screening values:</b> None  <b>Other materials considered for analysis:</b> None	1, 2, 4, 10	1, 3, 4	1, 2, 3
918, 918A, and 918B	Environment Monitoring Trailers	6	No	None	<b>Radiological materials exceeding screening values:</b> None  <b>Chemicals exceeding screening values:</b> None  <b>Other materials considered for analysis:</b> None	1, 2, 4, 10	1, 3, 4	1, 2, 3
950, 951, and 952	Office Trailers and On-Site Vehicle Fuel Station	160	No	None	<b>Radiological materials exceeding screening values:</b> None  <b>Chemicals exceeding screening values:</b> None  <b>Other materials considered for analysis:</b> None	1, 2, 4, 10	1, 3, 4	1, 2, 3, 5

U.S. Department of Energy Waste Isolation Pilot Plant  
 Emergency Planning Hazards Survey Report  
 WP 12-RP.01, Rev. 3

---

**Table A-1 - Hazards Survey Summary**

Building ID	Type/Use	Nominal Occupancy (Ground Floor/Other)	Classified Material	Special Conditions	Hazardous Material	Emergency Conditions per Table A-2a Code 1	Potential Impacts per Table A-2b Code 2	Applicable Requirements per Table A-2c Code 3
971 and 986	Office Trailers	17	No	None	<b>Radiological materials exceeding screening values:</b> None  <b>Chemicals exceeding screening values:</b> None  <b>Other materials considered for analysis:</b> None	1, 2, 4, 10	1, 3, 4	1, 2, 3
241	Equipment Shed		No	None	<b>Radiological materials exceeding screening values:</b> None  <b>Chemicals exceeding screening values:</b> None  <b>Other materials considered for analysis:</b> None	1, 2, 4, 10	1, 3, 4, 5	1, 2, 3
243	Salt Handling Truck Shelter		No	None	<b>Radiological materials exceeding screening values:</b> None  <b>Chemicals exceeding screening values:</b> None  <b>Other materials considered for analysis:</b> None	1, 2, 4, 10	1, 3, 4, 5	1, 2, 3
253	13.8 kV Switchgear		No	None	<b>Radiological materials exceeding screening values:</b> None  <b>Chemicals exceeding screening values:</b> None  <b>Other materials considered for analysis:</b> None	1, 2, 5, 10 14	1, 3, 4, 5, 10, 14	1, 2, 3

U.S. Department of Energy Waste Isolation Pilot Plant  
 Emergency Planning Hazards Survey Report  
 WP 12-RP.01, Rev. 3

---

**Table A-1 - Hazards Survey Summary**

Building ID	Type/Use	Nominal Occupancy (Ground Floor/Other)	Classified Material	Special Conditions	Hazardous Material	Emergency Conditions per Table A-2a Code 1	Potential Impacts per Table A-2b Code 2	Applicable Requirements per Table A-2c Code 3
254.1 through 254.9	Area Substations No. 1 Through No. 9		No	None	<b>Radiological materials exceeding screening values:</b> None  <b>Chemicals exceeding screening values:</b> None  <b>Other materials considered for analysis:</b> None	1, 2, 5, 10	1, 3, 4, 5, 10, 14	1, 2, 3
255.1 and 255.2	Backup Diesel Generators		No	None	<b>Radiological materials exceeding screening values:</b> None  <b>Chemicals exceeding screening values:</b> None  <b>Other materials considered for analysis:</b> None	1, 2, 5, 10	1, 3, 4, 5, 10, 14	1, 2, 3
384	Salt Hoist House	6	No	None	<b>Radiological materials exceeding screening values:</b> None  <b>Chemicals exceeding screening values:</b> None  <b>Other materials considered for analysis:</b> None	1, 2, 4, 5, 10	1, 3, 4, 5, 10, 14	1, 2, 3
362	AIS Hoist House	1	No	None	<b>Radiological materials exceeding screening values:</b> None  <b>Chemicals exceeding screening values:</b> None  <b>Other materials considered for analysis:</b> None	1, 2, 4, 5, 10	1, 3, 4, 5, 10, 14	1, 2, 3

U.S. Department of Energy Waste Isolation Pilot Plant  
 Emergency Planning Hazards Survey Report  
 WP 12-RP.01, Rev. 3

---

**Table A-1 - Hazards Survey Summary**

Building ID	Type/Use	Nominal Occupancy (Ground Floor/Other)	Classified Material	Special Conditions	Hazardous Material	Emergency Conditions per Table A-2a Code 1	Potential Impacts per Table A-2b Code 2	Applicable Requirements per Table A-2c Code 3
363	AIS Hoist Winch House	1	No	None	<b>Radiological materials exceeding screening values:</b> None  <b>Chemicals exceeding screening values:</b> None  <b>Other materials considered for analysis:</b> None	1, 2, 4, 5, 10	1, 3, 4, 5, 10, 14	1, 2, 3
413	Exhaust Filter Building	0	No	Potential for radiological and co-contaminant material (i.e., beryllium) in the HEPA filters in the event of waste container breach in the underground	<b>Radiological materials exceeding screening values:</b> None  <b>Chemicals exceeding screening values:</b> None  <b>Other materials considered for analysis:</b> None	1, 2, 4, 5, 10	1, 3, 4, 5, 10, 14	1, 2, 3
413A	Monitoring Station A	0	No	Potential for radiological and co-contaminant material (i.e., beryllium) in the event of waste container breach in the underground	<b>Radiological materials exceeding screening values:</b> None  <b>Chemicals exceeding screening values:</b> None  <b>Other materials considered for analysis:</b> None	1, 2, 4, 10	1, 3, 4, 5, 10, 14	1, 2, 3
413B	Monitoring Station B	0	No	Potential for radiological and co-contaminant material (i.e., beryllium) in the event of waste container breach in the underground	<b>Radiological materials exceeding screening values:</b> None  <b>Chemicals exceeding screening values:</b> None  <b>Other materials considered for analysis:</b> None	1, 2, 4, 10	1, 3, 4, 5, 10, 14	1, 2, 3

U.S. Department of Energy Waste Isolation Pilot Plant  
 Emergency Planning Hazards Survey Report  
 WP 12-RP.01, Rev. 3

---

**Table A-1 - Hazards Survey Summary**

Building ID	Type/Use	Nominal Occupancy (Ground Floor/Other)	Classified Material	Special Conditions	Hazardous Material	Emergency Conditions per Table A-2a Code 1	Potential Impacts per Table A-2b Code 2	Applicable Requirements per Table A-2c Code 3
459	Core Storage Building/Tool Crib/Satellite Accumulation Areas	30	No	Hazardous Waste Satellite Accumulation Area	<b>Radiological materials exceeding screening values:</b> None  <b>Chemicals exceeding screening values:</b> None  <b>Other materials considered for analysis:</b> None	1,2, 4, 5, 10	1, 3, 4	1, 2, 3
458	Guard and Security Building	100	No	None	<b>Radiological materials exceeding screening values:</b> None  <b>Chemicals exceeding screening values:</b> None  <b>Other materials considered for analysis:</b> None	1, 2, 4, 10	1, 2, 3, 4	1, 2, 3
475	Gate House Building	2	No	None	<b>Radiological materials exceeding screening values:</b> None  <b>Chemicals exceeding screening values:</b> None  <b>Other materials considered for analysis:</b> None	1, 2, 4, 10	1, 3, 4	1, 2, 3
473	Armory Building		No	Armory	<b>Radiological materials exceeding screening values:</b> None  <b>Chemicals exceeding screening values:</b> None  <b>Other materials considered for analysis:</b> None	1, 2, 4, 10	1, 3, 4	1, 2, 3

U.S. Department of Energy Waste Isolation Pilot Plant  
 Emergency Planning Hazards Survey Report  
 WP 12-RP.01, Rev. 3

---

**Table A-1 - Hazards Survey Summary**

Building ID	Type/Use	Nominal Occupancy (Ground Floor/Other)	Classified Material	Special Conditions	Hazardous Material	Emergency Conditions per Table A-2a Code 1	Potential Impacts per Table A-2b Code 2	Applicable Requirements per Table A-2c Code 3
456	Water Pump House		No	None	<b>Radiological materials exceeding screening values:</b> None <b>Chemicals exceeding screening values:</b> None <b>Other materials considered for analysis:</b> None	1, 2, 4, 10	1, 3, 4	1, 2, 3
474	Hazardous Materials Storage Area		No	474A – Universal waste & Infection waste 474B – Reactive Waste 474C – Oil storage 474D – Cylinder storage 474E Hazardous Waste Storage Unit (corrosive, flammable, caustic)	<b>Radiological materials exceeding screening values:</b> None <b>Chemicals exceeding screening values:</b> None <b>Other materials considered for analysis:</b> None	1, 2, 4, 10	1, 3, 4	1, 2, 3
Areas outside PPA	Porta Camp, Portable Lab, H19 evaporation pond, construction landfill, sewage lagoon, and storm water ponds, wells		No	None	<b>Radiological materials exceeding screening values:</b> None <b>Chemicals exceeding screening values:</b> None <b>Other materials considered for analysis:</b> None	2, 10	1, 3	1, 2, 3
Subcontract or Area Office and Connex	Office, Occasional fabrication activities	10	No	None	<b>Radiological materials exceeding screening values:</b> None <b>Chemicals exceeding screening values:</b> None <b>Other materials considered for analysis:</b> None	1, 2, 4, 10	1, 3, 4	1, 2, 3

U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3

---

**Table A-1 - Hazards Survey Summary**

Building ID	Type/Use	Nominal Occupancy (Ground Floor/Other)	Classified Material	Special Conditions	Hazardous Material	Emergency Conditions per Table A-2a Code 1	Potential Impacts per Table A-2b Code 2	Applicable Requirements per Table A-2c Code 3
411	CH Portion of WHB including TMF and WHB Parking Area	60	No	TRUPACT unloading, handling of CH TRU waste	<b>Radiological materials exceeding screening values:</b> TRU waste exceeding Hazard Category 3 threshold quantities  <b>Chemicals exceeding screening values:</b> Beryllium in the TRU waste  <b>Other materials considered for analysis:</b> None	1, 2, 5, 6, 10, 12	1, 2, 3, 5, 6, 8, 10, 11, 14	1, 2, 3, 4, 7
411	RH Portion of WHB	10	No	72B and 10-160B unloading, remote handling of RH TRU waste, handling of Facility Canisters	<b>Radiological materials exceeding screening values:</b> TRU waste exceeding Hazard Category 3 threshold quantities  <b>Chemicals exceeding screening values:</b> Beryllium in the TRU waste  <b>Other materials considered for analysis:</b> None	1, 2, 5, 6, 10, 12	1, 2, 3, 5, 6, 8, 10, 11, 14	1, 2, 3, 4, 7
411	Waste Hoist Tower	75	No	Handling of RH and CH waste into the Waste Hoist	<b>Radiological materials exceeding screening values:</b> TRU waste exceeding Hazard Category 3 threshold quantities  <b>Chemicals exceeding screening values:</b> Beryllium in the TRU waste  <b>Other materials considered for analysis:</b> None	1, 2, 5, 6, 10, 12	1, 2, 3, 5, 6, 8, 10, 11, 14	1, 2, 3, 4, 7
311	Waste Handling Shaft	75	No	RH and CH waste	<b>Radiological materials exceeding screening values:</b> TRU waste exceeding Hazard Category 3 threshold quantities  <b>Chemicals exceeding screening values:</b> Beryllium in the TRU waste  <b>Other materials considered for analysis:</b> None	1, 2, 5, 6, 10, 12	1, 2, 3, 5, 6, 8, 10, 11, 14	1, 2, 3, 4, 7

U.S. Department of Energy Waste Isolation Pilot Plant  
 Emergency Planning Hazards Survey Report  
 WP 12-RP.01, Rev. 3

---

**Table A-1 - Hazards Survey Summary**

Building ID	Type/Use	Nominal Occupancy (Ground Floor/Other)	Classified Material	Special Conditions	Hazardous Material	Emergency Conditions per Table A-2a Code 1	Potential Impacts per Table A-2b Code 2	Applicable Requirements per Table A-2c Code 3
361	Air Intake Shaft	1	No	None	<b>Radiological materials exceeding screening values:</b> None  <b>Chemicals exceeding screening values:</b> None  <b>Other materials considered for analysis:</b> None	2	1, 5, 10, 14	1, 2, 3
371	Salt Shaft		No	None	<b>Radiological materials exceeding screening values:</b> None  <b>Chemicals exceeding screening values:</b> None  <b>Other materials considered for analysis:</b> None	2	1, 5, 10, 14	1, 2, 3
Underground Facilities	Mining, RH and CH Waste Handling, Experimental Activities	100	No	Underground mining and waste emplacement	<b>Radiological materials exceeding screening values:</b> TRU waste exceeding Hazard Category 3 threshold quantities  <b>Chemicals exceeding screening values:</b> Beryllium in the TRU waste  <b>Other materials considered for analysis:</b> None	1, 2, 5, 6, 10, 12	1, 2, 3, 5, 6, 8, 10, 11, 14	1, 2, 3, 4, 7

U.S. Department of Energy Waste Isolation Pilot Plant  
 Emergency Planning Hazards Survey Report  
 WP 12-RP.01, Rev. 3

---

**Table A-2a - Hazards Survey Summary Table Code 1**

Possible Emergency Condition
1. Structural fire and explosions
2. Natural phenomena (wind, tornados, flood, earthquake, wildfire, snow storms)
3. Flood
4. Structural collapse
5. Industrial/process accident
6. Hazardous material release
7. Environmental release
8. Damage impacting classified material
9. Criticality mishap
10. Hazard external to facility
11. Transportation accident external to site
12. Malevolent act (terrorism/sabotage)
13. Other

**Table A-2b - Hazards Survey Summary Table Code 2**

Potential Impacts
1. Worker death or injury
2. Public death or injury
3. Fire
4. Facility destroyed
5. Equipment damaged
6. Hazardous materials release
7. Waterways polluted
8. Environmental damages
9. Wildlife killed or injured
10. Site mission degraded
11. Adverse regulatory impact
12. Loss/compromise of classified material
13. Adverse effect/compromise of response capability
14. Costs increased
15. Not applicable (N/A)

**Table A-2c - Hazards Survey Summary Table Code 3**

Applicable Regulations
1. DOE Order 151.1C (Base program)
2. OSHA, 29 CFR §1910.38; 29 CFR §1910.165
3. Federal Property Management, 41 CFR §101-20.103-4 and 41 CFR §101-20.105
4. Federal Emergency Management Agency, 44 CFR Part 302
5. EPA, Clean Water Act, 40 CFR Parts 100-129
6. EPA, Safe Drinking Water Regulations, 40 CFR Parts 141-142
7. EPA, CERCLA, 40 CFR Part 302
8. EPA, Emergency Planning & Community Right-to-Know Act, 40 CFR Part 355
9. EPA, Resource Conservation & Recovery Act, 40 CFR Part 260
10. Department of Transportation, 49 CFR Part 172, Subpart H
11. Other

U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3

---

**Appendix B**

U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3

---

## B-1 Radiological Inventory Screening

### B-1.1 Radioactive Waste Packages

The maximum radionuclide drum content of 80 PE-Ci encompasses over 99 percent of the waste volume contaminated from Pu-239 and Pu-238 operations. Approximately 86 percent of the volume for all waste forms, including the predominant heterogeneous, uncategorized metal, and combustible waste forms average less than 8 PE-Ci, and 70 percent average less than 3.0 PE-Ci. Overpacks consist of the following: Pipe Overpack Containers (POCs), SWB overpacks, Ten-Drum Overpacks (TDOPs), and 85-gallon/100-gallon drum overpacks. Overpacking involves placing waste containers into larger containers. Overpacks have higher PE-Ci limits than direct-loaded waste containers because of the double container arrangement. However, out of approximately 68,000 drums disposed in the underground, approximately 1,900 have been overpacks (not including POCs) and none of these have exceeded 80 PE-Ci and 95 percent have been 30 PE-Ci or less. There have been approximately 23,000 POCs disposed in the underground and none of these have exceeded 80 PE-Ci and 95 percent have been 30 PE-Ci or less. Solidified/vitrified waste has a higher PE-Ci limit than direct-loaded waste containers because solidified/vitrified waste is not damaged by fire or explosions.

**Table B-1- Radioactive Waste Package Inventories Assessed in the Hazards Survey**

Waste Package	Radiological Constituent	Inventory (Ci Pu-239)	DOE-STD-1027 TQ (Ci Pu-239)	Ratio Inventory to 1027 TQ
Single 55-gallon waste drum	80 PE-Ci	80	0.52	153.8
Seven-pack of 55-gallon drums	560 PE-Ci	560	0.52	1076.9
One SWB or TDOP	560 PE-Ci	560	0.52	1076.9
Solidified/vitrified waste container	1,800 PE-Ci	1800	0.52	3461.5
Overpacked waste containers	1,100 PE-Ci	1100	0.52	2115.4
55-gallon drums overpacked in 85- or 100-gallon drums; 85-gallon drums overpacked in 100-gallon drums				
Overpacked waste assemblies	1,200 PE-Ci	1,200	0.52	2307.7
Four-pack of 85-gallon overpacked drum Three-pack of 100-gallon drums in SWB TDOP's overpacking drums TDOP overpacking an SWB				
POCs including either 6-in. or 12-in. pipe components, or S100, S200, or S300 pipe components	1,800 PE-Ci	1,800	0.52	3461.5
72-B canister (direct-loaded or loaded with three 30- or 55-gallon drums)	240 PE-Ci	240	0.52	461.5
10-160B shipping cask loaded with ten 30- or 55-gallon drums	800 PE-Ci	800	0.52	1538.5
Each 30- or 55-gallon drums from a 10-160B shipping cask	80 PE-Ci	80	0.52	153.8
One facility canister loaded with three 30- or 55-gallon drums from a 10-160B shipping cask	240 PE-Ci	240	0.52	461.5

Each container inventory identified above exceeds the 0.52 Ci Hazard Category 3 Threshold Quantity for Pu-239. Therefore, all waste packages and their operations must be carried forward for analysis in the EPHA.

**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

---

## **B-1.2 Sealed Radioactive Sources**

A review of WP 12-HP3200 indicates that all the sealed sources at WIPP have been engineered to pass special form testing specified by the U.S. Department of Transportation (DOT) in 49 CFR §173.469 or testing specified by the American National Standards Institute (ANSI) standard, ANSI N43.6, *Sealed Radioactive Sources – Classification*, and therefore can be screened out from further consideration.

Additionally, WP 12-HP3200 has recently been modified to require written approval of the WIPP Emergency Manager prior to procurement of sealed or unsealed radioactive sources that exceed the screening criteria noted above; allowing the WIPP Emergency Management program to update this Hazards Survey and the EPHA if need be, prior to bringing radioactive sources of concern onto the WIPP site.

**Table B-2 - Sealed Radioactive Sources Inventories Assessed in the Hazards Survey**

ACTIVITY	DATE DET	LOCATION	ACCOUNTABLE	LKINV DATE	LKINV DUE	LEAK INV	10 CFR PART 835 APP E
0.01 uCi	01-Nov-01	Safe #1/Bldg 412/Inst. Rm	FALSE			NA	E- 23
0.1084 uCi	01-Mar-01	Safe #1/Bldg 412/Inst. Rm	FALSE			NA	E- 23
1.228 uCi	01-Mar-01	Safe #6/Bldg 411-1 SGWR	FALSE			NA	E- 23
33,900 dpm	04-Jan-00	Safe #6/Bldg 411-1 SGWR	FALSE			NA	E-23
0.1 uCi	01-Nov-01	Safe #1/Bldg 412/Inst. Rm	FALSE			NA	E- 23
0.139 uCi	04-Feb-92	Safe #4/Bldg 451-1/AL	FALSE			NA	E-23
0.5 uCi		SWB Room# 113	FALSE			NA	E-23
0.5 uCi		SWB Room# 113	FALSE			NA	E-23
0.0536 uCi	01-Jul-91	Safe #4/Bldg 451-1/AL	FALSE			NA	E-23
9.754 uCi	21-Sep-92	Safe #4/Bldg 451-1/AL	FALSE			NA	E-23
0.209 uCi	04-Feb-92	Safe #4/Bldg 451-1/AL	FALSE			NA	E-23
1.069 uCi	01-Aug-85	Safe #7/474 SAA Area	FALSE			NA	E-23
0.01001 uCi	01-Mar-01	Safe #8/Bldg 411/Service Rm.	FALSE			NA	E- 23
N/A	20-Jun-06	Safe #7/474 SAA Area	FALSE			N/A	E-23
10 uCi		Safe #7/474 SAA Area	FALSE			NA	E-52
10 uCi		Safe #7/474 SAA Area	FALSE			NA	E-52
10 uCi		Safe #7/474 SAA Area	FALSE			NA	E-52
10 uCi		Safe #7/474 SAA Area	FALSE			NA	E-52
10 uCi		Safe #7/474 SAA Area	FALSE			NA	E-52
10 uCi		Safe #7/474 SAA Area	FALSE			NA	E-52
10 uCi		Safe #7/474 SAA Area	FALSE			NA	E-52
10 uCi		Safe #7/474 SAA Area	FALSE			NA	E-52
10 uCi		Safe #7/474 SAA Area	FALSE			NA	E-52
10 uCi		Safe #7/474 SAA Area	FALSE			NA	E-52
10 uCi		Safe #7/474 SAA Area	FALSE			NA	E-52
10 uCi		Safe #7/474 SAA Area	FALSE			NA	E-52
10 uCi		Safe #7/474 SAA Area	FALSE			NA	E-52
10 uCi		Safe #7/474 SAA Area	FALSE			NA	E-52
10 uCi		Safe #7/474 SAA Area	FALSE			NA	E-52
10 uCi		Safe #7/474 SAA Area	FALSE			NA	E-52
10 uCi		Safe #7/474 SAA Area	FALSE			NA	E-52
10 uCi		Safe #7/474 SAA Area	FALSE			NA	E-52
10 uCi		Safe #7/474 SAA Area	FALSE			NA	E-52
10 uCi		Safe #7/474 SAA Area	FALSE			NA	E-52
10 uCi		Safe #7/474 SAA Area	FALSE			NA	E-52
10 uCi		Safe #7/474 SAA Area	FALSE			NA	E-52
10 uCi		Safe #7/474 SAA Area	FALSE			NA	E-52
10 uCi		Safe #7/474 SAA Area	FALSE			NA	E-52
10 uCi		Safe #7/474 SAA Area	FALSE			NA	E-52
10 uCi		Safe #7/474 SAA Area	FALSE			NA	E-52
10 uCi		Safe #7/474 SAA Area	FALSE			NA	E-52
10 uCi		Safe #7/474 SAA Area	FALSE			NA	E-52
10 uCi		Safe #7/474 SAA Area	FALSE			NA	E-52



**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

---

**Table B-2 - Sealed Radioactive Sources Inventories Assessed in the Hazards Survey**

ACTIVITY	DATE DET	LOCATION	ACCOUNTABLE	LKINV DATE	LKINV DUE	LEAK INV	10 CFR PART 835 APP E
1 uCi		Safe #7/474 SAA Area	FALSE			NA	E-52
1 uCi		Safe #7/474 SAA Area	FALSE			NA	E-52
1 uCi		Safe #7/474 SAA Area	FALSE			NA	E-52
10 uCi		Safe #7/474 SAA Area	FALSE			NA	E-52
56.2 nCi	14-Jul-89	Safe #7/474 SAA Area	FALSE			NA	E-4.8E6
42380 dpm	08-May-97	Safe #4/Bldg 451-1/AL	FALSE			NA	E-4.8E6
59.5 nCi	02-Apr-87	Safe #7/474 SSA Area	FALSE			NA	E-4.8E6
120400 dpm	04-Feb-91	Safe #4/Bldg 451-1/AL	FALSE			NA	E-4.8E6
132900 dpm	22-Aug-90	Safe #4/Bldg 451-1/AL	FALSE			NA	E-4.8E6
132900 dpm	22-Aug-90	SANDIA NATIONAL LABS	FALSE			NA	E-4.8E6
44070 dpm	09-Feb-90	Safe #4/Bldg 451-1/AL	FALSE			NA	E-4.8E6
129900 dpm	05-Sep-97	Safe #4/Bldg 451-1/AL	FALSE			NA	E-4.8E6
0.0591 uCi	01-Oct-88	Safe #7/474 SAA Area	FALSE			NA	E-4.8E6
108.6 uCi	15-Oct-01	Safe #7/474 SAA Area	FALSE			NA	E- 160
22003.6neut/sec	30-Jul-93	SCR/Bldg 451-1	FALSE			NA	E-64
24.1 uCi	28-Feb-01	Safe #2 U/G Connex	FALSE			NA	E-64 uCi
1.0 uCi	01-Nov-01	Safe #6/Bldg 411-1 SGWR	FALSE			NA	E- 4.6E5
337 Bq	23-Feb-06	Safe #8/Bldg 411/Service Rm.	FALSE			N/A	
437 Bq	08-Apr-03	Safe #8/Bldg 411/Service Rm.	FALSE			N/A	
106.2 uCi	01-Aug-86	Safe #4/Bldg 451-1/AL	TRUE	15-Dec-06	30-Jun-07	I/L	A-18
0.954 uCi	01-Aug-86	Safe #4/Bldg 451-1/AL	FALSE			NA	E-18
1 uCi		Safe #7/474 SAA Area	FALSE			NA	E-60
1.621 uCi	01-Jul-88	Safe #4/Bldg 451-1/AL	FALSE			NA	E-60
0.1085 uCi	01-Aug-88	Safe #7/474 SAA Area	FALSE			NA	E-60
0.00525 uCi	13-Dec-88	Safe #7/474 SAA Area	FALSE			NA	E-60
0.0982 uCi	01-Aug-88	Safe #7/474 SAA Area	FALSE			NA	E-60
0.065 uCi	12-Aug-90	Safe #4/Bldg 451-1/AL	FALSE			NA	E-60
0.054 uCi	12-Aug-90	Safe #4/Bldg 451-1/AL	FALSE			NA	E-60
10 uCi		Safe #6/Bldg 411-1 SGWR	FALSE			NA	E-60
8 mCi	15-Feb-85	SEDR/Bldg 411-1	TRUE	21-Dec-06	30-Jun-07	I/L	A-60
5 uCi		Safe #7/474 SAA Area	FALSE			NA	E-60
1 uCi		Safe #7/474 SAA Area	FALSE			NA	E-60
12 Ci/20 mCi		SCR/Bldg 451-1	TRUE	21-Dec-06	30-Jun-07	I/L	A-60
12.72 mCi	01-Nov-88	Safe #7/474 SAA Area	TRUE	21-Dec-06	30-Jun-07	I/L	A-60
5 uCi		Safe #8/Bldg 411/Service Rm.	FALSE			NA	E-60
5 uCi		Safe #1/Bldg 412/Inst. Rm	FALSE			NA	E-60
50 mCi	01-Nov-99	Safe #7/474 SAA Area	TRUE	21-Dec-06	30-Jun-07	I/L	A-60
0.0974 uCi	01-Aug-85	Safe #7/474 SAA Area	FALSE			NA	E-60
8.3mCi/40mCi	18-Aug-83	Safe #1/Bldg 412/Inst. Rm	TRUE	21-Dec-06	30-Jun-07	I/L	A-60/23
1.0 uCi		SWB Room# 113	FALSE			N/A	E-60
156.8 mCi	22-Aug-00	Bldg 411-1/SEDR	TRUE	21-Dec-06	30-Jun-07	I/L	A - 60
3.04 uCi	01-Jul-91	Safe #4/Bldg 451-1/AL	FALSE			NA	E
3.26 uCi	01-Jul-91	Safe #7/474 SAA Area	FALSE			NA	E-31
0.00514 uCi	01-Dec-91	Safe #7/474 SAA Area	FALSE			NA	E-31
251800 dpm	04-Feb-91	Safe #4/Bldg 451-1/AL	FALSE			NA	E-1.6E8
88030 dpm	09-Feb-90	Safe #4/Bldg 451-1/AL	FALSE			NA	E-1.6E8
266100 dpm	27-Sep-90	Safe \$5/Bldg 451-1/AL	FALSE			NA	E-1.6E8
86070 dpm	08-May-97	Safe #5/Bldg 451-1/AL	FALSE			NA	E-1.6E8
2568000 dpm	25-Jul-90	SANDIA NATIONAL LABS	FALSE			NA	E-1.6E8
400 dpm	01-Jul-95	Safe #4/Bldg 451-1/AL	FALSE			NA	E
400 dpm	01-Jul-95	Safe #4/Bldg 451-1/AL	FALSE			NA	E
400 dpm	01-Jul-95	Safe #4/Bldg 451-1/AL	FALSE			NA	E

**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

---

**Table B-2 - Sealed Radioactive Sources Inventories Assessed in the Hazards Survey**

ACTIVITY	DATE DET	LOCATION	ACCOUNTABLE	LKINV DATE	LKINV DUE	LEAK INV	10 CFR PART 835 APP E
400 dpm	01-Jul-95	Safe #4/Bldg 451-1/AL	FALSE			NA	E
400 dpm	01-Jul-95	Safe #4/Bldg 451-1/AL	FALSE			NA	E
400 dpm	01-Jul-95	Safe #4/Bldg 451-1/AL	FALSE			NA	E
400 dpm	01-Jul-95	Safe #4/Bldg 451-1/AL	FALSE			NA	E
400 dpm	01-Jul-95	Safe #4/Bldg 451-1/AL	FALSE			NA	E
3 uCi	15-Jul-91	Safe #7/474 SAA Area	FALSE			NA	E
1.977 uCi	01-Apr-98	Safe #4/Bldg 451-1/AL	FALSE			NA	E
2.080 uCi	01-Jan-97	Safe #7/474 SAA Area	FALSE			NA	E
2.138 uCi	01-Jan-97	Safe #7/474 SAA Area	FALSE			NA	E
2.425 uCi	01-Oct-99	NIST Gaithersburg MA	FALSE			N/A	E
1.996 uCi	02-Aug-02	Safe #4/Bldg 452-1	FALSE			NA	E
2.03 uCi	01-Oct-03	Safe #4/Bldg 451-1/AL	FALSE			N/a	E
15mCi		Bldg 412/Inst. Rm	TRUE	21-Dec-06	30-Jun-07	I/L	
15mCi		Bldg 412/Inst. Rm	TRUE	21-Dec-06	30-Jun-07	I/L	
15mCi		Bldg 412/Inst. Rm	TRUE	21-Dec-06	30-Jun-07	I/L	
15mCi		Bldg 412/Inst. Rm	TRUE	21-Dec-06	30-Jun-07	I/L	
15mCi		Bldg 412/Inst. Rm	TRUE	21-Dec-06	30-Jun-07	I/L	
0.445 uCi		Safe #7/474 SAA Area	FALSE			NA	E-92
0.000428 uCi		Safe #7/474 SAA Area	FALSE			NA	E-92
0.0075 uCi		Safe #7/474 SAA Area	FALSE			NA	E-92
0.04936 uCi	01-Aug-89	Safe #7/474 SAA Area	FALSE			NA	E-1.1E3
0.0518 uCi	01-Oct-88	Safe #7/474 SAA Area	FALSE			NA	E-1.1E3
58.9 nCi	30-Jan-89	Safe #7/474 SAA Area	FALSE			NA	E-1.1E3
16.65 nCi	01-May-95	Safe #7/474 SAA Area	FALSE			NA	E-1.1E3
46.2 nCi	02-Apr-87	Safe #7/474 SAA Area	FALSE			NA	E-1.1E3
42.2 nCi	20-Jan-88	Safe #7/474 SAA Area	FALSE			NA	E-1.1E3
0.1 uCi		SWB Room# 113	FALSE			N/A	E-1.1E3
0.1 uCi		SWB Room# 113	FALSE			N/A	E-1.1E3
4.145E4 Bq	01-Oct-87	Safe #7/474 SAA Area	FALSE			NA	E-23
4620/5090 dpm	23-Sep-89	Safe #6/Bldg 411-1 SGWR	FALSE			NA	E-25/23
29900 dpm	21-Mar-88	Safe #7/474 SAA Area	FALSE			NA	E-23
18800 dpm	11-Jul-88	Safe #6/Bldg 411-1 SGWR	FALSE			NA	E
700 dpm	23-Jan-90	Safe #6/Bldg 411-1 SGWR	FALSE			NA	E-23
547 dpm	01-Feb-90	Safe #6/Bldg 411-1 SGWR	FALSE			NA	E-23
297 dpm	23-Jan-90	Safe #6/Bldg 411-1 SGWR	FALSE			NA	E-23
6200 dpm	20-Sep-89	Safe #7/474 SAA Area	FALSE			NA	E-23
51 dpm	13-Feb-90	Safe #6/Bldg 411-1 SGWR	FALSE			NA	E-23
470 dpm	15-Jun-89	Safe #7/474 SAA Area	FALSE			NA	E-23
667000 dpm	21-Mar-88	Safe #6/Bldg 411-1 SGWR	FALSE			NA	E-23
84100 dpm	21-Mar-88	Safe #6/Bldg 411-1 SGWR	FALSE			NA	E-23
18300 dpm	09-Mar-88	Safe #7/474 SAA Area	FALSE			NA	E-23
934 dpm	23-Jan-90	Safe #6/Bldg 411-1 SGWR	FALSE			NA	E-23
1660 dpm	23-Jan-90	Safe #6/Bldg 411-1 SGWR	FALSE			NA	E-23
17.53 Bq	01-May-95	Safe #4/Bldg 451-1/AL	FALSE			NA	E-23
303 dpm	15-Feb-90	Safe #6/Bldg 411-1 SGWR	FALSE			NA	E-23
501 dpm	14-Feb-90	Safe #6/Bldg 411-1 SGWR	FALSE			NA	E-23
686 dpm	14-Feb-90	Safe #6/Bldg 411-1 SGWR	FALSE			NA	E-23
888 dpm	21-Feb-90	Safe #6/Bldg 411-1 SGWR	FALSE			NA	E-23
1310 dpm	15-Feb-90	Safe #6/Bldg 411-1 SGWR	FALSE			NA	E-23
1320 dpm	27-Feb-90	Safe #6/Bldg 411-1 SGWR	FALSE			NA	E-23
1230 dpm	06-Mar-91	Safe #7/474 SAA Area	FALSE			NA	E-23
770 dpm	22-Mar-88	Safe #6/Bldg 411-1 SGWR	FALSE			NA	E-23

**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

---

**Table B-2 - Sealed Radioactive Sources Inventories Assessed in the Hazards Survey**

ACTIVITY	DATE DET	LOCATION	ACCOUNTABLE	LKINV DATE	LKINV DUE	LEAK INV	10 CFR PART 835 APP E
5900 dpm	14-Jul-92	Safe #7/474 SAA Area	FALSE			NA	E-23
1280 dpm	06-Mar-91	Safe #1/Bldg 412/Inst. Rm	FALSE			NA	E-23
36900 dpm	14-Jul-92	Safe #1/Bldg 412/Inst. Rm	FALSE			NA	E-23
1260 dpm	02-Feb-90	Safe #6/Bldg 411-1 SGWR	FALSE			NA	E-23
15500 dpm	09-Aug-89	Safe #4/Bldg 451-1/AL	FALSE			NA	E-23
21300 dpm	04-Aug-89	Safe #4/Bldg 451-1/AL	FALSE			NA	E-23
19.29 Bq	01-May-95	Safe #7/474 SAA Area	FALSE			NA	E-23
21.70 Bq	01-May-95	Safe #7/474 SAA Area	FALSE			NA	E-23
16.22 Bq	01-May-95	Safe #7/474 SAA Area	FALSE			NA	E-23
17.21Bq	01-May-95	Safe #7/474 SAA Area	FALSE			NA	E-23
21.80 Bq	01-May-95	Safe #7/474 SAA Area	FALSE			NA	E-23
37 dpm	02-Feb-90	Safe #6/Bldg 411-1 SGWR	FALSE			NA	E-23
17.46 Bq	01-May-95	Safe #7/474 SAA Area	FALSE			NA	E-23
496 DPS	15-Nov-93	Safe #4/Bldg 451-1/AL	FALSE			NA	E-23
7790 dpm	14-Jul-92	SWB Room #113	FALSE			NA	E-23
41700 dpm	08-Oct-93	Safe #4/Bldg 45q-1/AL	FALSE			NA	E-23
1.0 uCi	01-Nov-01	Safe #1/Bldg 412/Inst. Rm	FALSE			NA	E-23
1.243 uCi	15-Feb-01	Safe #6/Bldg 411-1 SGWR	FALSE			NA	E-23
54700 dpm	14-Jun-89	Safe #7/474 SAA Area	FALSE			NA	E-23
538000 dpm	14-Jun-89	Safe #7/474 SAA Area	FALSE			NA	E-23
29400 dpm	22-Feb-91	Safe #1/Bldg 412/Inst. Rm	FALSE			NA	E-23
18800 dpm	27-Jun-88	Safe #8/Bldg 411/Service Rm.	FALSE			NA	E-23
28200 dpm	29-Aug-88	Safe #7/474 SAA Area	FALSE			NA	E-23
0.071 uCi	11-Sep-90	Safe #1/Bldg 412/Inst. Rm	FALSE			NA	E-23
0.130 uCi	04-Feb-92	Safe #7/474 SAA Area	FALSE			NA	E-23
6310 dpm	21-Mar-88	Safe #6/Bldg 411-1 SGWR	FALSE			NA	E-23
5500 dpm	14-Jun-89	Safe #7/474 SAA Area	FALSE			NA	E-23
20300 dpm	29-Feb-88	Safe #7/474 SAA Area	FALSE			NA	E-23
399600 dpm	29-Feb-88	Safe #7/474 SAA Area	FALSE			NA	E-23
6190 dpm	22-Nov-88	Safe #7/474 SAA Area	FALSE			NA	E-23
5820 dpm	11-Jan-90	Safe #7/474 SAA Area	FALSE			NA	E-23
0.167 uCi	04-Feb-92	Safe #7/474 SAA Area	FALSE			NA	E-23
0.060 uCi	11-Sep-90	Safe #7/474 SAA Area	FALSE			NA	E-23
21800 dpm	06-Mar-91	Safe #7/474 SAA Area	FALSE			NA	E-23
33700 dpm	14-Jul-92	Safe #7/474 SAA Area	FALSE			NA	E-23
1.7Bq	01-Mar-01	Safe #4/Bldg 451-1/AL	FALSE			N/A	E-23
1.7Bq	01-Mar-01	Safe #4/Bldg 451-1/AL	FALSE			N/A	E-23
1.7Bq	01-Mar-01	Safe #4/Bldg 451-1/AL	FALSE			N/A	E-23
3447 dpm	12-Feb-91	Safe #7/474 SAA Area	FALSE			NA	E-1.2E3
7 uCi		Bldg 411-1 (NIS) SGWR	FALSE			NA	E-1.2E3
9.3 uCi	01-Aug-86	Safe #7/474 SAA Area	FALSE			NA	E-1.2E3
633 dpm		Safe #7/474 SAA Area	FALSE			NA	E-1.2E3/E-2.1E3
27.74Bq	01-May-95	Safe #7/474 SAA Area	FALSE			NA	E-23
200 mCi	01-Nov-01	Safe #7/474 SAA Area	TRUE	21-Dec-06	30-Jun-07	I/L	A-64
0.1 uCi	31-Oct-85	Safe #7/474 SAA Area	FALSE			NA	E-7.7E3
0.1 uCi	31-Oct-85	Safe #7/474 SAA Area	FALSE			NA	E-7.7E3
0.1 uCi	31-Oct-85	Safe #7/474 SAA Area	FALSE			NA	E-7.7E3
0.1 uCi	31-Oct-85	Safe #7/474 SAA Area	FALSE			NA	E-7.7E3
0.1 uCi	31-Oct-85	Safe #7/474 SAA Area	FALSE			NA	E-7.7E3
0.1 uCi	31-Oct-85	Safe #7/474 SAA Area	FALSE			NA	E-7.7E3

**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

---

**Table B-2 - Sealed Radioactive Sources Inventories Assessed in the Hazards Survey**

ACTIVITY	DATE DET	LOCATION	ACCOUNTABLE	LKINV DATE	LKINV DUE	LEAK INV	10 CFR PART 835 APP E
0.1 uCi	31-Oct-85	Safe #7/474 SAA Area	FALSE			NA	E-7.7E3
0.1 uCi	31-Oct-85	Safe #7/474 SAA Area	FALSE			NA	E-7.7E3
0.1 uCi	31-Oct-85	Safe #7/474 SAA Area	FALSE			NA	E-7.7E3
579 DPS	28-Mar-94	Safe #4/Bldg 451-1/AL	FALSE			NA	E-7.7E3
0.1 uCi	31-Oct-85	Safe #7/474 SAA Area	FALSE			NA	E-7.7E3
0.1 uCi	31-Oct-85	Safe #7/474 SAA Area	FALSE			NA	E-7.7E3
0.1 uCi	31-Oct-87	Safe #7/474 SAA Area	FALSE			NA	E-7.7E3
568 DPS	28-Mar-94	Safe #4/Bldg 451-1/AL	FALSE			NA	E-7.7E3
558 DPS	28-Mar-94	Safe #4/Bldg 451-1/AL	FALSE			NA	E-7.7E3
0.1 uCi	31-Oct-85	Safe #7/474 SAA Area	FALSE			NA	E-7.7E3
0.1 uCi	31-Oct-85	Safe #7/474 SAA Area	FALSE			NA	E-7.7E3
0.1 uCi	31-Oct-85	Safe #7/474 SAA Area	FALSE			NA	E-7.7E3
0.980 nCi	15-Oct-87	Safe #7/474 SAA Area	FALSE			NA	E-7.7E3
0.5 mCi	26-Feb-88	DOS LAB/Bldg 452-1	FALSE			NA	E-7.7E3
0.1 uCi	31-Oct-85	Safe #7/474 SAA Area	FALSE			N/A	E-7.7E3
13300 dpm	19-May-88	SWB Room# 113	FALSE			NA	E-7.7E3
128000 dpm	10-Oct-90	Safe #6/Bldg 411-1 SGWR	FALSE			NA	E-7.7E3
42.4 n Ci	02-Apr-87	Safe #7/474 SAA Area	FALSE			NA	E-7.7E3
55.9 nCi	20-Jan-88	Safe #7/474 SAA Area	FALSE			NA	E-7.7E3
0.0489 uCi	01-Jul-91	Safe #7/474 SAA Area	FALSE			NA	E-7.7E3
0.1 uCi		Safe #7/474 SAA Area	FALSE			NA	E-7.7E3
73900 dpm	15-Jul-83	Safe #7/474 SAA Area	FALSE			NA	E-7.7E3
0.1 uCi	31-Oct-85	Safe #7/474 SAA Area	FALSE			NA	E-7.7E3
80900 dpm	15-Jul-83	Safe #7/474 SAA Area	FALSE			NA	E-7.7E3
0.1 uCi	31-Oct-85	Safe #7/474 SAA Area	FALSE			NA	E-7.7E3
0.1 uCi		Safe #7/474 SAA Area	FALSE			NA	E-7.7E3
0.1 uCi		Safe #7/474 SAA Area	FALSE			NA	E-7.7E3
0.01 uCi	01-Nov-01	Safe #1/Bldg 412/Inst. Rm	FALSE			NA	E- 7.7E3
0.1 uCi	01-Nov-01	Safe #1/Bldg 412/Inst. Rm	FALSE			NA	E- 7.7E3
1.0 uCi	01-Nov-01	Safe #6/Bldg 411-1 SGWR	FALSE			NA	E- 7.7E3
0.1 uCi	28-Feb-86	Safe #7/474 SAA Area	FALSE			NA	E-7.7E3
0.0502 uCi	01-Jul-91	Safe #7/474 SAA Area	FALSE			NA	E-7.7E3
50 uCi	01-Jan-90	Safe #2 U/G Connex	FALSE			NA	E-7.7E3
0.1 uCi	31-Oct-85	Safe #7/474 SAA Area	FALSE			NA	E-7.7E3
0.1 uCi	31-Oct-85	Safe #7/474 SAA Area	FALSE			NA	E-7.7E3
0.1 uCi	31-Oct-87	Safe #7/474 SAA Area	FALSE			NA	E-7.7E3
0.1 uCi	31-Oct-85	Safe #7/474 SAA Area	FALSE			NA	E-7.7E3
0.1 uCi	31-Oct-85	Safe #7/474 SAA Area	FALSE			NA	E-7.7E3
50 uCi	01-Jan-90	Safe #1/Bldg 412/Inst. Rm	FALSE			NA	E-7.7E3
0.1 uCi	31-Oct-85	Safe #7/474 SAA Area	FALSE			NA	E-7.7E3
0.1 uCi	28-Feb-86	Safe #7/474 SAA Area	FALSE			NA	E-7.7E3
0.1 uCi	28-Feb-86	Safe #7/474 SAA Area	FALSE			NA	E-7.7E3
0.1 uCi	28-Feb-86	Safe #7/474 SAA Area	FALSE			NA	E-7.7E3
0.0508 uCi	01-Oct-88	Safe #7/474 SAA Area	FALSE			NA	E-7.7E3
0.0272/0.0237 u	01-Jun-91	SWB Room# 113	FALSE			NA	E-7.7E3/E-23
0.254 uCi/0.024	01-Jul-91	Safe #7/474 SAA Area	FALSE			NA	E-7.7E3/E-23
0.0276/0.0206 u		Safe #7/474 SAA Area	FALSE			NA	E-7.7E3/E-23
0.1 uCi	31-Oct-85	Safe #7/474 SAA Area	FALSE			NA	E-7.7E3
1.7Bq	28-Mar-01	Safe #4/Bldg 451-1/AL	FALSE			N/A	E-7.7E3
0.1uCi	31-Oct-85	Safe #7/474 SAA Area	FALSE			NA	E-7.7E3
0.1uCi	31-Oct-85	Safe #7/474 SAA Area	FALSE			NA	E-7.7E3
1.7Bq	28-Mar-01	Safe #4/Bldg 451-1/AL	FALSE			N/A	E-7.7E3

**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

---

**Table B-2 - Sealed Radioactive Sources Inventories Assessed in the Hazards Survey**

ACTIVITY	DATE DET	LOCATION	ACCOUNTABLE	LKINV DATE	LKINV DUE	LEAK INV	10 CFR PART 835 APP E
1.7Bq	28-Mar-01	Safe #4/Bldg 451-1/AL	FALSE			N/A	E-7.7E3
1.7Bq	28-Mar-01	Safe #4/Bldg 451-1/AL	FALSE			N/A	E-7.7E3
2.07 KBq	23-Feb-06	Safe #8/Bldg 411/Service Rm.	FALSE			N/A	
2400 dpm	22-Feb-93	Safe #7/474 SAA Area	FALSE			NA	E-7.7E3
128000 dpm	10-Oct-90	Safe #1/Bldg 412/Inst. Rm	FALSE			NA	E-7.7E3
13100 dpm	15-Nov-88	Safe #8/Bldg 411/Service Rm.	FALSE			NA	E-7.7E3
261000 dpm	29-Aug-88	Safe #7/474 SAA Area	FALSE			NA	E-7.7E3
114000 dpm	07-Dec-92	Safe #4/Bldg 451-1/AL	FALSE			NA	E-7.7E3
58300 dpm	09-Oct-93	Safe #4/Bldg 451-1/AL	FALSE			NA	E-7.7E3
115000 dpm	16-Mar-93	Safe #1/Bldg 412/Inst. Rm	FALSE			NA	E-7.7E3
15500 dpm	22-Feb-93	Safe #1/Bldg 412/Inst. Rm.	FALSE			NA	E-7.7E3
19500 dpm	22-Feb-93	Safe #1/Bldg 412/Inst. Rm	FALSE			NA	E-7.7E3
2450 dpm	22-Feb-93	Safe #1/Bldg 412/Inst. Rm	FALSE			NA	E-7.7E3
2090 dpm	02-Aug-89	Safe #4/Bldg 451-1/AL	FALSE			NA	E-7.7E3
0.005 uCi		Safe #7/474 SAA Area	FALSE			NA	E-6.8E6
0.005 uCi		Safe #2 U/G/Connex	FALSE			NA	E-6.8E6
0.005 uCi		Safe #1/Bldg 412/Inst. Rm	FALSE			NA	E-6.8E6
0.005 uCi		Safe #1/Bldg 412/TMF	FALSE			NA	E-6.8E6
0.005 uCi		Safe #6/Bldg 411-1 SGWR	FALSE			NA	E-6.8E6
0.005 uCi		Safe #6/Bldg 411-1 SGWR	FALSE			NA	E-6.8E6
18200 dpm	07-Sep-88	Safe #7/474 SAA Area	FALSE			NA	E-6.8E6
92500 dpm	29-Aug-88	Safe #7/474 SAA Area	FALSE			NA	E-6.8E6
0.005 uCi		Safe #7/474 SAA Area	FALSE			NA	E-6.8E6
0.005 uCi		Safe #7/474 SAA Area	FALSE			NA	E-6.8E6
1.0 uCi	01-Nov-01	Safe #6/Bldg 411-1 SGWR	FALSE			NA	E- 6.8E6
0.005 uCi		Safe #7/474 SAA Area	FALSE			NA	E-6.8E6
0.005 uCi		Safe #7/474 SAA Area	FALSE			NA	E-6.8E6
0.005 uCi		Safe #7/474 SAA Area	FALSE			NA	E-6.8E6
446 dpm	16-Jun-89	Safe #6/Bldg 411-1 SGWR	FALSE			NA	E-6.8E6
697 dpm	16-Jun-89	Safe #6/Bldg 411-1 SGWR	FALSE			NA	E-6.8E6
34000 dpm	16-Jun-89	Safe #6/Bldg 411-1 SGWR	FALSE			NA	E-6.8E6
331000 dpm	16-Jun-89	Safe #6/Bldg 411-1 SGWR	FALSE			NA	E-6.8E6
0.005 uCi		Safe #6/Bldg 411-1 SGWR	FALSE			NA	E-6.8E6
0.005 uCi		Safe #6/Bldg 411-1 SGWR	FALSE			NA	E-6.8E6
0.005 uCi		Safe #6/Bldg 411-1 SGWR	FALSE			NA	E-6.8E6
0.005 uCi		Safe #6/Bldg 411-1 SGWR	FALSE			NA	E-6.8E6
0.005 uCi		Safe #7/474 SAA Area	FALSE			NA	E-6.8E6
0.005 uCi		Safe #7/474 SAA Area	FALSE			NA	E-6.8E6
0.005 uCi		Safe #7/474 SAA Area	FALSE			NA	E-6.8E6
0.005 uCi		Safe #7/474 SAA Area	FALSE			NA	E-6.8E6
0.005 uCi		Safe #7/474 SAA Area	FALSE			NA	E-6.8E6
70 dpm	14-Jul-89	Safe #7/474 SAA Area	FALSE			NA	E-31
N/A		ASP/AC-3 probe # 1205	FALSE			NA	E-31
9050 dpm	07-Sep-88	Safe #4/Bldg 451-1/AL	FALSE			NA	E-31
60 cpm	17-Jan-90	Safe #7/474 SAA Area	FALSE			NA	E-31
20100 dpm	15-Jul-83	Safe #7/474 SAA Area	FALSE			NA	E-31
13500 dpm	15-Jul-83	Safe #7/474 SAA Area	FALSE			NA	E-31
70 dpm	14-Jul-89	Safe #7/474 SAA Area	FALSE			NA	E-31
N/A		Safe #6/Bldg 411-1 SGWR	FALSE			N/A	E-31
45 dpm	14-Jul-89	Safe #7/474 SAA Area	FALSE			NA	E-31
N/A		Safe #6/Bldg 411-1 SGWR	FALSE			NA	E-31

U.S. Department of Energy Waste Isolation Pilot Plant  
 Emergency Planning Hazards Survey Report  
 WP 12-RP.01, Rev. 3

---

**Table B-2 - Sealed Radioactive Sources Inventories Assessed in the Hazards Survey**

ACTIVITY	DATE DET	LOCATION	ACCOUNTABLE	LKINV DATE	LKINV DUE	LEAK INV	10 CFR PART 835 APP E
N/A		Safe #6/Bldg 411-1 SGWR	FALSE			N/A	E-31
N/A		Safe #7/474 SAA Area	FALSE			NA	E-31
N/A		Safe #7/474 SAA Area	FALSE			NA	E-31
N/A		Safe #7/474 SAA Area	FALSE			NA	E-31
N/A		Safe #7/474 SAA Area	FALSE			NA	E-31
N/A		Safe #7/474 SAA Area	FALSE			NA	E-31
N/A		Safe #6/Bldg 411-1 SGWR	FALSE			NA	E-31
N/A		Safe #6/Bldg 411-1 SGWR	FALSE			NA	E-31
N/A		Safe #7/474 SAA Area	FALSE			NA	E-31
0.005 uCi		Safe #2 U/G/Connex	FALSE			NA	E-31
N/A		Safe #6/Bldg 411-1 SGWR	FALSE			NA	E-31
N/A		Safe #1/Bldg 412/Inst. Rm	FALSE			NA	E-31
N/A		Safe #7/474 SAA Area	FALSE			N/A	E-31
20 dpm		Safe #7/474 SAA Area	FALSE			NA	E-31
N/A		Safe #7/474 SAA Area	FALSE			N/A	E-31
N/A		Safe #7/474 SAA Area	FALSE			NA	E-31
N/A		Safe #7/474 SAA Area	FALSE			NA	E-31
N/A		Safe #7/474 SAA Area	FALSE			NA	E-31
N/A		Safe #7/474 SAA Area	FALSE			NA	E-31
N/A		Safe #7/474 SAA Area	FALSE			NA	E-31
54 cpm	17-Jan-90	Safe #7/474 SAA Area	FALSE			NA	E-31
N/A		Safe #6/Bldg 411-1 SGWR	FALSE			N/A	E-31
N/A		ASP/AC3 probe #0668	FALSE			N/A	E-31
Unknown		Safe #6/Bldg 411-1 SGWR	FALSE			N/A	E-31
Unknown		Safe #6/Bldg 411-1 SGWR	FALSE			N/A	E-31
0.8 uCi	01-Nov-01	Safe #7/474 SAA Area	FALSE			N/A	E- 84
See File	15-Feb-01	Safe #7/474 SAA Area	FALSE			N/A	E- 84

## B-2 Chemical Inventory Screening

Chemicals at the WIPP site are the form of purchased chemicals and chemicals present in the TRU mixed waste. Inventory data for the purchased chemicals was obtained from the WIPP Hazard Materials Management Plan Tracking System. Chemical present in the TRU mixed waste were identified base on information available in the DSAs.

The purchased chemicals were screened against the criteria presented in Section 4.0 and the individual results are presented in the table below. The chemical present in the TRU mixed waste are addressed in Section 4.1.3.

**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

---

**Table B-3 - Purchased Chemical Inventory Screening**

MSDS	Chemicals Product Name	Bldg	Storage Area	Q3_2007 On-Hand Container Count	Total On-Hand Lb/Gal Equivalent Value	Lb/Gal Resultant Unit	Container Lb/Gal Equiv Value	Lb/Gal Resultant Unit	NFPA Health	NFPA Health Rate 2 or Less	Common Public Use	Lab Scale Qty	Low Dispersibility	Cryogenic	Physical State	Screens (Y/N)
W1489	CHEVRON NRR GREASE 235	241		1	5	Gal	5	Gal	2	X	X	X				Y
W1490	CHEVRON NRR GREASE 335	241		1	5	Gal	5	Gal	2	X	X	X				Y
W2294	CHEVRON NRR GREASE 509	241		1	5	Gal	5	Gal	2	X	X	X				Y
W1312	OMNIGUARD SRI LUBRICANT WAS CONOFLEX SRI LUBRICANT SEE NOTE IN FILE	241	Bldg. 482 Bulk Storage	1	55	Gal	55	Gal	1	X						Y
W1094	CITGO A/W HYDRAULIC OIL 68	241		1	55	Gal	55	Gal	0	X	X					Y
W1096	CITGO PACEMAKER T-68 OIL	241		1	55	Gal	55	Gal	0	X	X					Y
W1096	CITGO PACEMAKER T-68 OIL	241		1	5	Gal	5	Gal	0	X	X	X				Y
W1415.1	TELLUS PLUS 32 (TELLUS OIL 32)	241		1	55	Gal	55	Gal	0	X	X					Y
W0877.5	ASHLAND FLEET ANTIFREEZE (SITE STANDARD ANTIFREEZE/NO SUBSTITUTION)	241		2	110	Gal	55	Gal		Not Available	X					Y
W1027.1	LEAD ACID STORAGE BATTERY	411	CH Bay N.O.S.	5	5	Each	1	Each	3		X					Y
W0763	CLEAR RTV SILICONE (66BR CLEAR RTV SILICONE) 3 OZ. TUBE	411	Flammable Cabinet #012, Site-Generated Waste Room, East Wall	3	0.6	Lb	0.2	Lb	2	X	X	X				Y
W1338	NEUTRASORB ACID NEUTRALIZER	411	CH Bay, North West/Fork Lift Charging Station	1	100	Lb	100	Lb	2	X						Y
W3052	3M EC-1252 (3M SCOTCH-SEAL TAMPER PROOF SEALANT 1252, ORANGE)	411	Flammable Cabinet #012, Site-Generated Waste Room, East Wall	29	11.3	Gal	0.4	Gal	2	X	X	X				Y
W0545	METHANE IN ARGON (AKA P 10 GAS)	411	CH Bay, North Wall	4	4	Each	1	Each	1	X						Y
W0545	METHANE IN ARGON (AKA P 10 GAS)	411	RH Mezzanine	1	10.9	Lb	10.9	Lb	1	X		X				Y
W0545	METHANE IN ARGON (AKA P 10 GAS)	411	RH Mezzanine at Hot Cell	1	10.9	Lb	10.9	Lb	1	X		X				Y
W1775	SIMPLE GREEN INDUSTRIAL CLEANER AND DEGREASER	411	WHB, Overpack & Repair Room (Room 108)	2	0.5	Gal	0.3	Gal	1	X	X	X				Y
W1884	LOW STRENGTH THREADLOCKER 222MS	411	Flammable Cabinet #012, Site-Generated Waste Room, East Wall	1	1.3E-02	Gal	1.3E-02	Gal	1	X	X	X			Liquid	Y
W2355	POWER LUBE MULTI-PURPOSE LUBRICANT - AEROSOL	411	Flammable Cabinet #012, Site-Generated Waste Room, East Wall	1	0.6	Lb	0.6	Lb	1	X	X	X				Y
W2929	CC GOVERNMENT FORMULA 3 ANHYDROUS was (DENATURED ALCOHOL 3 ANHYDROUS)	411	Flammable Cabinet #012, Site-Generated Waste Room, East Wall	2	10	Gal	5	Gal	1	X		X				Y

**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

---

**Table B-3 - Purchased Chemical Inventory Screening**

MSDS	Chemicals Product Name	Bldg	Storage Area	Q3_2007 On-Hand Container Count	Total On-Hand Lb/Gal Equivalent Value	Lb/Gal Resultant Unit	Container Lb/Gal Equiv Value	Lb/Gal Resultant Unit	NFPA Health	NFPA Health Rate 2 or Less	Common Public Use	Lab Scale Qty	Low Dispersibility	Cryogenic	Physical State	Screens (Y/N)
W2929	CC GOVERNMENT FORMULA 3 ANHYDROUS was (DENATURED ALCOHOL 3 ANHYDROUS)	411	RH Mezzanine	1	1	Gal	1	Gal	1	X		X				Y
W0412	DOW CORNING HIGH VACUUM GREASE	411	Flammable Cabinet #012, Site-Generated Waste Room, East Wall	33	11	Lb	0	Lb	0	X	X	X				Y
W0412	DOW CORNING HIGH VACUUM GREASE	411	RH Mezzanine	1	0	Lb	0	Lb	0	X	X	X				Y
W0659.1	NEVER-SEEZ PURE NICKEL SPECIAL (ANTI-SEIZE COMPOUND/LUBRICANT)	411	Flammable Cabinet #012, Site-Generated Waste Room, East Wall	10	10	Lb	1	Lb	0	X		X				Y
W0659.1	NEVER-SEEZ PURE NICKEL SPECIAL (ANTI-SEIZE COMPOUND/LUBRICANT)	411	RH Mezzanine	2	2	Lb	1	Lb	0	X		X				Y
W1614	RADIACWASH	411	WHB, Overpack & Repair Room (Room 108)	1	1	Gal	1	Gal	0	X		X	X			Y
W2861	DOW CORNING 200 FLUID, 500CST (SF200) (500 WEIGHT) (STAPLEX SF200 COATING FLUID)	411	WHB, Overpack & Repair Room (Room 108)	4	7.8E-03	Gal	2.0E-03	Gal	0	X		X				Y
CH Forklift Batteries	Lead Acid Battery (Electric Forklifts)	411	CH Bay N.O.S.	2	21088	Lb	10544	Lb		Not Available	X					Y
W0930	F-900 TORQUE SEAL	411	CH Bay, TRUPACT-II Maintenance Cabinet, North Wall	4	0.4	Gal	9.4E-02	Gal		Not Available		X				Y
W1125	AQUASET	411	Site-Generated Waste Room, North Wall	1	50	Lb	50	Lb		Not Available		X				Y
W1131	FREEMAN PVA MOLD RELEASE	411	Flammable Cabinet #012, Site-Generated Waste Room, East Wall	10	10	Gal	1	Gal		Not Available		X				Y
W1131	FREEMAN PVA MOLD RELEASE	411	Flammable Cabinet #012, Site-Generated Waste Room, East Wall	1	5	Gal	5	Gal		Not Available		X				Y
W1250.2	31-0074677 VITRA GARD SAFE YELLOW (74-677 AS PER TELECON 9/97)	411	Flammable Cabinet #012, Site-Generated Waste Room, East Wall	1	1	Gal	1	Gal		Not Available		X				Y
W1563	WESTERN LEAK DETECTION COMPOUND LT-100 (LT-100K, LT-200 (LEAK TEST)	411	CH Bay, North Wall	2	6.2E-02	Gal	3.1E-02	Gal		Not Available		X				Y
W2686.1	P-7 PHOSPHOR 920 BLUE (ZINC SULFIDE)	411	WHB, Overpack & Repair Room (Room 108)	1	3.1E-02	Lb	3.1E-02	Lb		Not Available		X				Y
W2868	CARBOGUARD 890N PART A (CONTRACTOR APPLIED 7-00)	411	Flammable Cabinet #012, Site-Generated Waste Room, East Wall	1	1	Gal	1	Gal		Not Available		X				Y

**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

---

**Table B-3 - Purchased Chemical Inventory Screening**

MSDS	Chemicals Product Name	Bldg	Storage Area	Q3_2007 On-Hand Container Count	Total On-Hand Lb/Gal Equivalent Value	Lb/Gal Resultant Unit	Container Lb/Gal Equiv Value	Lb/Gal Resultant Unit	NFPA Health	NFPA Health Rate 2 or Less	Common Public Use	Lab Scale Qty	Low Dispersibility	Cryogenic	Physical State	Screens (Y/N)
W2868.1	CARBOGUARD 890N PART B (CONTRACTOR APPLIED 7-00)	411	Flammable Cabinet #012, Site-Generated Waste Room, East Wall	1	1	Gal	1	Gal		Not Available		X				Y
W2873	VALPOX (EPOXY PAINT) (YELLOW) (ULTRA DEEP BASE/CATALYST)	411	Flammable Cabinet #012, Site-Generated Waste Room, East Wall	1	1	Gal	1	Gal		Not Available		X				Y
W2969	ELECTRODAG 154	411	WHB, Overpack & Repair Room (Room 108)	1	0.1	Gal	0.1	Gal		Not Available		X				Y
W3026	DRI-SLIDE MULTI-PURPOSE LUBRICANT AEROSOL DRISLIDE DRI SLIDE	411	Flammable Cabinet #012, Site-Generated Waste Room, East Wall	3	1.0	Lb	0.3	Lb		Not Available		X				Y
W0545	METHANE IN ARGON (AKA P 10 GAS)	412	TMF, Radiological Instrument Lab	2	2	Each	1	Each	1	X						Y
W0257	INDICATING DRIERITE (BLUE GRANULES) (DESICCANT)	412	TMF, Radiological Instrument Lab	1	1	Lb	1	Lb		Not Available		X				Y
W0257	INDICATING DRIERITE (BLUE GRANULES) (DESICCANT)	412	TMF, Radiological Instrument Lab	3	15	Lb	5	Lb		Not Available		X				Y
W1135	SOFT LEAD	412	TMF, Radiological Instrument Lab	19	19	Each	1	Each		Not Available			X			Y
W2902	BLOC-AID (BLOCK AID)	413	413 (Exhaust Shaft Filter Building)	1	0.25	Gal	0.25	Gal	4			X				Y
W0891	SUPER SHINE ALL	413	413 (Exhaust Shaft Filter Building)	2	2	Gal	1	Gal	1	X	X	X				Y
W1391	DEEP ACTION	413	413 (Exhaust Shaft Filter Building)	5	5	Gal	1	Gal	1	X		X				Y
W1390	CREME CLEAN (HILLYARD #106 CREME CLEAN)	413	413 (Exhaust Shaft Filter Building)	8	2	Gal	0.25	Gal		Not Available		X				Y
W2336	BATTERY FLUID, ACID (MINE LIGHT)	451	Miner's Lamp Room (Bldg. 451)	53	53	Each	1	Each	3			X				Y
W2336.2	BATTERY FLUID, ACID (MINE LIGHT) MSA MINE SAFETY APPLIANCES (LUMINATOR BATTERY)	451	Miner's Lamp Room (Bldg. 451)	127	127	Each	1	Each	3			X				Y
W1089.1	METERED AEROSOL PRODUCTS - ALL FRAGRANCES (AEROSOL) (AIR NEUTRALIZER)	451	Miner's Change Room	2	0.75	Lb	0.375	Lb	2	X		X				Y
W3145	3M HI-STRENGTH 90 SPRAY ADHESIVE AEROSOL	451	451 (Support Building)	1	1.1	Lb	1.1	Lb	2	X	X	X				Y
W0441	JOY MANUAL POT AND PAN DETERGENT (PROFESSIONAL LINE)	451	Miner's Lamp Room (Bldg. 451)	1	2.6	Lb	2.625	Lb	1	X	X	X				Y
W1841	CHLORINE SOLUTION (AMPULE 50-75mg/l)	451	451 (Support Building)	176	0.5	Gal	2.6E-03	Gal	1	X		X				Y

**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

---

**Table B-3 - Purchased Chemical Inventory Screening**

MSDS	Chemicals Product Name	Bldg	Storage Area	Q3_2007 On-Hand Container Count	Total On-Hand Lb/Gal Equivalent Value	Lb/Gal Resultant Unit	Container Lb/Gal Equiv Value	Lb/Gal Resultant Unit	NFPA Health	NFPA Health Rate 2 or Less	Common Public Use	Lab Scale Qty	Low Dispersibility	Cryogenic	Physical State	Screens (Y/N)
W2014	DPD FREE CHLORINE REAGENT (POWDER PILLOWS)	451	451 (Support Building)	5	5	Each	1	Each	1	X						Y
W2327.1	DPD FREE CHLORINE REAGENT	451	451 (Support Building)	100	100	Each	1	Each	1	X						Y
W2355	POWER LUBE MULTI-PURPOSE LUBRICANT - AEROSOL	451	Miner's Lamp Room (Bldg. 451)	1	0.6	Lb	0.6	Lb	1	X	X	X				Y
W2017	KOLOR KUT WATER FINDING PASTE	451	451 (Support Building)	4	0.75	Lb	0.1875	Lb	0	X		X				Y
W1026	LEAD ACID BATTERIES	451	451 (Support Building)	80	3,600	Lb	45	Lb		Not Available	X					Y
W0650.6	NITROGEN (COMPRESSED & LIQUID CRYOGENIC)	452	Safety Building Exterior South Wall (Outside)	11	119.6	Lb	10.9	Lb	3			X			Gas	Y
W2409	MERCURY SPILL CLEAN-UP KIT	452	452 Vehicle Bay, South Wall, Flammable Cabinet	1	1	Each	1	Each	3			X				Y
W2710	MERCURY METAL THERMOMETER	452	Room 105 (IH Lab)	1	1	Each	1	Each	3		X					Y
W0258	DIESEL FUEL CONDITIONER (ALCOHOL FREE) PRODUCT DISCONTINUED ACC.WEB 3-06	452	452 Vehicle Bay, South Wall, Flammable Cabinet	1	1.9	Lb	1.875	Lb	2	X		X			Liquid	Y
W0498	KRYLON INTERIOR/EXTERIOR PAINT (#1404-2507)KRYLON INDUST MAINT & TOUCH (AEROSOL)	452	452 Vehicle Bay, South Wall, Flammable Cabinet	1	0.75	Lb	0.75	Lb	2	X	X	X				Y
W0877	STARTEX ANTIFREEZE COOLANT (02055) (DISCONTINUED OR RE-NAMED?)	452	452 Vehicle Bay, South Wall, Flammable Cabinet	1	5.00	Gal	5	Gal	2	X	X	X				Y
W1038	2-PROPANOL (ISOPROPYL ALCOHOL)	452	452 Room 105 (IH Lab)	0.25	0.03	Gal	0.1	Gal	2	X		X				Y
W1038	2-PROPANOL (ISOPROPYL ALCOHOL)	452	Room 105 (IH Lab)	1	0.1	Gal	0.1	Gal	2	X		X				Y
W2228.2	NON-FLAMMABLE GAS MIXTURE - 02, METHANE, HYDROGEN, CO	452	452 Mine Rescue Room	1	9.1E-02	Lb	9.1E-02	Lb	2	X		X				Y
W2330	A-33 DRY	452	Room 105 (IH Lab)	1	1	Each	1	Each	2	X	X	X				Y
W2486	WESTLEY'S BLECHE-WITE (READY TO USE)	452	452 Vehicle Bay, East Wall, Metal Cabinet	1	2	Lb	2	Lb	2	X	X	X				Y
W0001	ABSORB-N-DRY (FULLER'S EARTH-MONTMORILLONITE)	452	452 Vehicle Bay, Rack on East Wall	1	40	Lb	40	Lb	1	X		X				Y
W0001	ABSORB-N-DRY (FULLER'S EARTH-MONTMORILLONITE)	452	Bldg. 452, IH Lab (Room 105)	1	40	Lb	40	Lb	1	X		X				Y
W0145	5-56 AEROSOL (WAS X-51-04036)	452	452 Vehicle Bay, South Wall, Flammable Cabinet	1	0.6	Lb	0.6	Lb	1	X		X				Y
W0149	BATTERY CLEANER (AEROSOL)	452	452 Vehicle Bay, South Wall, Flammable Cabinet	5	3.4	Lb	0.7	Lb	1	X		X				Y

**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

---

**Table B-3 - Purchased Chemical Inventory Screening**

MSDS	Chemicals Product Name	Bldg	Storage Area	Q3_2007 On-Hand Container Count	Total On-Hand Lb/Gal Equivalent Value	Lb/Gal Resultant Unit	Container Lb/Gal Equiv Value	Lb/Gal Resultant Unit	NFPA Health	NFPA Health Rate 2 or Less	Common Public Use	Lab Scale Qty	Low Dispersibility	Cryogenic	Physical State	Screens (Y/N)
W0156.6	CARBON DIOXIDE GAS CARBONIC ANHYDRIDE, CARBONIC ACID	452	452 Vehicle Bay, N.O.S.	1	20	Lb	20	Lb	1	X		X				Y
W0156.6	CARBON DIOXIDE GAS CARBONIC ANHYDRIDE, CARBONIC ACID	452	452 Vehicle Bay, N.O.S.	1	30	Lb	30	Lb	1	X		X				Y
W0253	DPD TOTAL CHLORINE REAGENT (POWDER PILLOWS)	452	Room 105 (IH Lab)	1	1	Each	1	Each	1	X						Y
W0429.2	QUICK STARTING FLUID (CARQUEST STARTING FLUID PART 91015) (SITE STANDARD)AEROSOL	452	452 Vehicle Bay, South Wall, Flammable Cabinet	1	0.5	Lb	0.5	Lb	1	X	X	X				Y
W0429.2	QUICK STARTING FLUID (CARQUEST STARTING FLUID PART 91015) (SITE STANDARD)AEROSOL	452	452 Vehicle Bay, South Wall, Flammable Cabinet	1	0.7	Lb	0.7	Lb	1	X	X	X				Y
W0440	JOE'S ALL PURPOSE HAND CLEANER	452	452 EST Office Under Sink	1	4.5	Lb	4.5	Lb	1	X	X	X				Y
W0440	JOE'S ALL PURPOSE HAND CLEANER	452	452 Vehicle Bay, East Wall, Metal Cabinet	1	4.5	Lb	4.5	Lb	1	X	X	X				Y
W0441	JOY MANUAL POT AND PAN DETERGENT (PROFESSIONAL LINE)	452	452 EST Office Under Sink	1	2.6	Lb	2.6	Lb	1	X	X	X				Y
W0441	JOY MANUAL POT AND PAN DETERGENT (PROFESSIONAL LINE)	452	Health Services Clinic (Safety Building)	1	0.4	Gal	0.4	Gal	1	X	X	X				Y
W0544.1	METHANE IN AIR (METHANE IN HC FREE AIR) .0001-4%	452	Bldg. 452, Room 204	1	27.7	Gal	27.7	Gal	1	X						Y
W0673.5	OXYGEN	452	452 Mine Rescue Room	16	8.5	Gal	0.5	Gal	1	X	X	X				Y
W0774	PURPLE-K DRY CHEMICAL EXTINGUISHING AGENT	452	452 Vehicle Bay, NW Corner	1	5	Gal	5	Gal	1	X		X				Y
W0779.4	RAID WASP & HORNET KILLER 271 (INSECTICIDE) (AEROSOL)	452	452 Vehicle Bay, South Wall, Flammable Cabinet	6	6.6	Lb	1.1	Lb	1	X	X	X				Y
W0862	STIHL 2-CYCLE UNIVERSAL ENGINE OIL (STIHL TWO CYCLE ENGINE OIL)	452	452 Vehicle Bay, South Wall, Flammable Cabinet	1	0.5	Lb	0.5	Lb	1	X	X	X				Y
W0948	GASOLINE, UNLEADED	452	452 Vehicle Bay, South Wall, Flammable Cabinet	1	5	Gal	5	Gal	1	X	X	X				Y
W1167	LYSOL BRAND II DISINFECTANT SPRAY - ALL SCENTS (AEROSOL)	452	452 Room 105 (IH Lab)	3	3.6	Lb	1.2	Lb	1	X	X	X				Y
W1167.1	LYSOL I.C. (INFECTION CONTROL) DISINFECTANT SPRAY (AEROSOL)	452	452 Vehicle Bay, South Wall, Flammable Cabinet	3	3.6	Lb	1.2	Lb	1	X	X	X				Y

**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

---

**Table B-3 - Purchased Chemical Inventory Screening**

MSDS	Chemicals Product Name	Bldg	Storage Area	Q3_2007 On-Hand Container Count	Total On-Hand Lb/Gal Equivalent Value	Lb/Gal Resultant Unit	Container Lb/Gal Equiv Value	Lb/Gal Resultant Unit	NFPA Health	NFPA Health Rate 2 or Less	Common Public Use	Lab Scale Qty	Low Dispersibility	Cryogenic	Physical State	Screens (Y/N)
W1167.1	LYSOL I.C. (INFECTION CONTROL) DISINFECTANT SPRAY (AEROSOL)	452	Health Services Clinic (Safety Building)	3	3.6	Lb	1.2	Lb	1	X	X	X				Y
W1167.1	LYSOL I.C. (INFECTION CONTROL) DISINFECTANT SPRAY (AEROSOL)	452	Fit Test Room	1	1.2	Lb	1.2	Lb	1	X	X	X				Y
W1689	MOLYKOTE 55 O-RING LUBRICANT DOW CORNING 55 O-RING LUBRICANT (O RING)	452	452 Mine Rescue Room	1	0.3	Lb	0.3	Lb	1	X	X	X				Y
W1775	SIMPLE GREEN INDUSTRIAL CLEANER AND DEGREASER	452	452 Vehicle Bay, East Wall, Metal Cabinet	1	1	Gal	1	Gal	1	X	X	X				Y
W1775	SIMPLE GREEN INDUSTRIAL CLEANER AND DEGREASER	452	452 Vehicle Bay, N.O.S.	1	9.4E-02	Gal	9.4E-02	Gal	1	X	X	X				Y
W1775	SIMPLE GREEN INDUSTRIAL CLEANER AND DEGREASER	452	Room 105 (IH Lab)	1	1	Gal	1	Gal	1	X	X	X				Y
W1851	SOFT SPOT PLASTIC CLEANER/POLISH	452	Room 105 (IH Lab)	3	0.75	Lb	0.25	Lb	1	X	X	X				Y
W2299	TRIADINE 10% POVIDONE IODINE TOPICAL SOLUTION	452	Health Services Clinic (Safety Building)	1	1	Gal	1	Gal	1	X		X				Y
W2299	TRIADINE 10% POVIDONE IODINE TOPICAL SOLUTION	452	Health Services Clinic (Safety Building)	1	1	Each	1	Each	1	X						Y
W2327.1	DPD FREE CHLORINE REAGENT	452	Room 105 (IH Lab)	1	1	Each	1	Each	1	X						Y
W2355	POWER LUBE MULTI-PURPOSE LUBRICANT - AEROSOL	452	452 Vehicle Bay, South Wall, Flammable Cabinet	2	1.1	Lb	0.6	Lb	1	X	X	X				Y
W2421	PENNZOIL HD SAE MOTOR OIL WITH Z-7 ALL GRADES	452	452 Vehicle Bay, South Wall, Flammable Cabinet	1	0.25	Gal	0.25	Gal	1	X	X	X				Y
W2592	MERCURY MAGNET (REC REV 10/97)	452	Health Services Clinic (Safety Building)	1	1.5	Lb	1.5	Lb	1	X		X				Y
W2716.1	THE 10 HOUR INSECT REPELLENT (10-HOUR INSECT REPELLENT)	452	Health Services Clinic (Safety Building)	2	3.1E-02	Gal	1.6E-02	Gal	1	X	X	X				Y
W2717	SPORICIDIN BRAND DISINFECTANT SOLUTION (GERMICIDAL SOLUTION)	452	Health Services Clinic (Safety Building)	1	1.4	Lb	1.4	Lb	1	X		X				Y
W2749.1	VIRAGUARD ALCOHOL-BASED DISINFECTANT/CLEANER & INSTRUMENT PRESOAK	452	452 Vehicle Bay, East Wall, Metal Cabinet	1	1	Gal	1	Gal	1	X		X				Y
W2749.1	VIRAGUARD ALCOHOL-BASED DISINFECTANT/CLEANER & INSTRUMENT PRESOAK	452	452 Vehicle Bay, East Wall, Metal Cabinet	1	2	Lb	2	Lb	1	X		X				Y
W2749.1	VIRAGUARD ALCOHOL-BASED DISINFECTANT/CLEANER & INSTRUMENT PRESOAK	452	Health Services Clinic (Safety Building)	1	1	Lb	1	Lb	1	X		X				Y

**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

---

**Table B-3 - Purchased Chemical Inventory Screening**

MSDS	Chemicals Product Name	Bldg	Storage Area	Q3_2007 On-Hand Container Count	Total On-Hand Lb/Gal Equivalent Value	Lb/Gal Resultant Unit	Container Lb/Gal Equiv Value	Lb/Gal Resultant Unit	NFPA Health	NFPA Health Rate 2 or Less	Common Public Use	Lab Scale Qty	Low Dispersibility	Cryogenic	Physical State	Screens (Y/N)
W2749.1	VIRAGUARD ALCOHOL-BASED DISINFECTANT/CLEANER & INSTRUMENT PRESOAK	452	Health Services Clinic (Safety Building)	1	1	Gal	1	Gal	1	X		X				Y
W2805	HYDRION BUFFER SALTS PH 9.00 THROUGH PH 11.0 (BLUE ph 10 PILL)	452	Bldg. 452, IH Lab (Room 105)	1	1	Each	1	Each	1	X						Y
W2809	LENS CLEANING STATION (KLEEN VIEW) (C-CLEAR LENS CLEANING STATION FLUID)	452	Health Services Clinic (Safety Building)	2	1.5	Lb	0.75	Lb	1	X	X	X				Y
W2978	LIQUID DIAL ANTIMICROBIAL SOAP (PROFESSIONAL LIQUID ANTIMICROBIAL SOAP)	452	Health Services Clinic (Safety Building)	1	1	Gal	1	Gal	1	X	X	X				Y
W3097	STARTEX DENATURED ALCOHOL	452	Room 105 (IH Lab)	1	1	Gal	1	Gal	1	X		X				Y
W0673.4	OXYGEN	452	Health Services Clinic (Safety Building)	2	2	Each	1	Each	0	X	X				Gas	Y
W1306	DOW CORNING 111 VALVE LUBRICANT & SEALANT (REALANT)	452	452 Mine Rescue Room	1	0.3	Lb	0.3	Lb	0	X		X				Y
W1595	AMKUS MB 50 HYDRAULIC OIL (CITGO HYDRAULIC FLUIDS SUS-3)	452	452 Vehicle Bay, South Wall, Flammable Cabinet	1	1	Gal	1	Gal	0	X	X	X				Y
W1951	HYDROSEP (EYE WASH ADDITIVE)	452	Room 105 (IH Lab)	2	1	Lb	0.5	Lb	0	X	X	X				Y
W2119	WINDEX MULTI-SURFACE CLEANER WITH VINEGAR	452	Health Services Clinic (Safety Building)	1	0.25	Gal	0.25	Gal	0	X	X	X				Y
W2714	OXYGEN USP	452	Health Services Clinic (Safety Building)	2	105.2	Gal	52.6	Gal	0	X						Y
W2803	HYDRION BUFFER SALTS PH 2.00 THROUGH PH 4.00 (ORANGE ph 4.01 PILL)	452	Bldg. 452, IH Lab (Room 105)	1	1	Each	1	Each	0	X						Y
W2804	HYDRION BUFFER SALTS PH 5.00 THROUGH PH 8.00 (GREEN ph 7 PILL)	452	Bldg. 452, IH Lab (Room 105)	1	1	Each	1	Each	0	X						Y
W3135	DE-SOLV-IT (DE SOLV IT)/CITRUS SOLUTION	452	Room 105 (IH Lab)	1	0.8	Lb	0.8	Lb	0	X		X				Y
W0020.1	AIR, COMPRESSED GAS IN CYLINDERS (UZAM)	452	Bldg. 452, Room 204	1	27.7	Gal	27.7	Gal		Not Available	X					Y
W0211	CLOROX REGULAR BLEACH (WAS ULTRA CLOROX REGULAR BLEACH)	452	Health Services Clinic (Safety Building)	1	0.75	Gal	0.75	Gal		Not Available	X	X				Y
W0386.5	HYDROGEN PEROXIDE 3% SOLUTION (HYDROGEN PEROXIDE 10 VOLUME 3%)	452	Health Services Clinic (Safety Building)	1	1	Lb	1	Lb		Not Available		X				Y

**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

---

**Table B-3 - Purchased Chemical Inventory Screening**

MSDS	Chemicals Product Name	Bldg	Storage Area	Q3_2007 On-Hand Container Count	Total On-Hand Lb/Gal Equivalent Value	Lb/Gal Resultant Unit	Container Lb/Gal Equiv Value	Lb/Gal Resultant Unit	NFPA Health	NFPA Health Rate 2 or Less	Common Public Use	Lab Scale Qty	Low Dispersibility	Cryogenic	Physical State	Screens (Y/N)
W0944	TRI-FLOW SUPERIOR LUBRICANT WITH TEFLON (AEROSOL) TRIFLOW	452	452 Vehicle Bay, South Wall, Flammable Cabinet	1	0.75	Lb	0.75	Lb		Not Available		X				Y
W1132	GLASS CLEANER, 050 (AEROSOL)	452	Room 105 (IH Lab)	2	2.4	Lb	1.2	Lb		Not Available	X	X				Y
W1563	WESTERN LEAK DETECTION COMPOUND LT-100 (LT-100K, LT-200 (LEAK TEST))	452	452 Mine Rescue Room	2	6.2E-02	Gal	3.1E-02	Gal		Not Available		X				Y
W1663	SMOKE DETECTOR TESTER MODEL NO. 25S, 2.5OZ., HOME SAFEGUARD (AEROSOL)	452	452 Vehicle Bay, South Wall, Flammable Cabinet	7	1.1	Lb	0.2	Lb		Not Available		X				Y
W1893	LIQUI-NOX (LIQUINOX)	452	Bldg. 452, IH Lab (Room 105)	4	1	Gal	0.25	Gal		Not Available		X				Y
W2304	RED Z	452	Health Services Clinic (Safety Building)	24	7.5	Lb	0.3	Lb		Not Available		X				Y
W2330	A-33 DRY	452	452 Mine Rescue Room	1	2.8	Lb	2.8	Lb		Not Available		X				Y
W2407	BRIGGS & STRATTON GASOLINE ADDITIVE	452	452 Vehicle Bay, South Wall, Flammable Cabinet	6	1.6	Lb	0.3	Lb		Not Available	X	X				Y
W2564.1	ANTI-MIST GEL	452	452 Mine Rescue Room	6	7.9E-02	Gal	1.3E-02	Gal		Not Available		X				Y
W2564.2	ANTI-MIST FLUID	452	452 Mine Rescue Room	3	4.0E-02	Gal	1.3E-02	Gal		Not Available		X				Y
W2682	SPECIAL RESPIRATOR CLEANER PLUS (FK300) (BLUE LIQUID)	452	Room 105 (IH Lab)	0.25	0.25	Gal	1	Gal		Not Available		X				Y
W2682	SPECIAL RESPIRATOR CLEANER PLUS (FK300) (BLUE LIQUID)	452	Fit Test Room	1	1	Gal	1	Gal		Not Available		X				Y
W2682	SPECIAL RESPIRATOR CLEANER PLUS (FK300) (BLUE LIQUID)	452	452 Mine Rescue Room	1	1	Gal	1	Gal		Not Available		X				Y
W2725	FFFP LIQUID FOAM CONCENTRATE (FILM FORMING FLUOROPROTEIN ALCOHOL RESISTANT FOAM)	452	452 Vehicle Bay, South Wall, Flammable Cabinet	1	2.4	Lb	2.4	Lb		Not Available		X				Y
W2750	SIMULATOR SOLUTION (ALL CONCENTRATIONS)	452	Health Services Clinic (Safety Building)	11	1.6	Gal	0.1	Gal		Not Available		X				Y
W2760.1	VIONEX ANTIMICROBIAL WIPE TOWELETTE	452	Health Services Clinic (Safety Building)	1	1	Each	1	Each		Not Available	X					Y
W2814	70% ISOPROPYL ALCOHOL IN WATER (ISOPROPYL RUBBING ALCOHOL MOORE MEDICAL CORP.)	452	Health Services Clinic (Safety Building)	1	0.3	Gal	0.3	Gal		Not Available		X				Y

**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

---

**Table B-3 - Purchased Chemical Inventory Screening**

MSDS	Chemicals Product Name	Bldg	Storage Area	Q3_2007 On-Hand Container Count	Total On-Hand Lb/Gal Equivalent Value	Lb/Gal Resultant Unit	Container Lb/Gal Equiv Value	Lb/Gal Resultant Unit	NFPA Health	NFPA Health Rate 2 or Less	Common Public Use	Lab Scale Qty	Low Dispersibility	Cryogenic	Physical State	Screens (Y/N)
W2852	COASTAL WINDSHIELD WASHER PREMIXED (COAS.PRE-MIXED WINSH.WASHER ANTI-FR. & SOLVE	452	452 Vehicle Bay, East Wall, Metal Cabinet	1	1	Gal	1	Gal		Not Available	X	X				Y
W2852	COASTAL WINDSHIELD WASHER PREMIXED (COAS.PRE-MIXED WINSH.WASHER ANTI-FR. & SOLVE	452	452 Vehicle Bay, East Wall, Metal Cabinet	1	9.4E-02	Gal	9.4E-02	Gal		Not Available	X	X				Y
W2906	FRESH GEAR FG350	452	452 Vehicle Bay, East Wall, Metal Cabinet	3	6	Lb	2	Lb		Not Available		X				Y
W2955	PREVENT X HAND SANITIZER & FIRST-AID ANTISEPTIC	452	Health Services Clinic (Safety Building)	1	0.5	Lb	0.5	Lb		Not Available	X	X				Y
W3009	GC PCB WIPE TEST KIT	452	Bldg. 452, IH Lab (Room 105)	80	4.2E-02	Gal	5.3E-04	Gal		Not Available		X				Y
W3019	CITRUS II ANTIMICROBIAL HAND SANITIZING LOTION (was INSTANT HAND SANITIZING LO)	452	Health Services Clinic (Safety Building)	27	6.75	Lb	0.25	Lb		Not Available	X	X				Y
W3019	CITRUS II ANTIMICROBIAL HAND SANITIZING LOTION (was INSTANT HAND SANITIZING LO)	452	Health Services Clinic (Safety Building)	12	24	Lb	2	Lb		Not Available	X	X				Y
W3019	CITRUS II ANTIMICROBIAL HAND SANITIZING LOTION (was INSTANT HAND SANITIZING LO)	452	Health Services Clinic (Safety Building)	60	30	Lb	0.5	Lb		Not Available	X	X				Y
W3117	GERM POWDER (HEALTH EDCO GERM POWDER)	452	Health Services Clinic (Safety Building)	1	0.5	Lb	0.5	Lb		Not Available		X				Y
W0258	DIESEL FUEL CONDITIONER (ALCOHOL FREE)PRODUCT DISCONTINUED ACC.WEB 3-06	453	Warehouse (Bldg. 453)	2	3.75	Lb	1.875	Lb	2	X		X			Liquid	Y
W0385.1	SILICONE RUBBER COMPOUND (WINDOW & DOOR)CLEAR (GE012A)	453	Warehouse (Bldg. 453)	9	5.7	Lb	0.6	Lb	2	X	X	X				Y
W0498	KRYLON INTERIOR/EXTERIOR PAINT (#1404-2507)KRYLON INDUST MAINT & TOUCH (AEROSOL)	453	Warehouse (Bldg. 453)	58	39.9	Lb	0.7	Lb	2	X	X	X				Y
W0543	MARVEL MYSTERY OIL	453	Warehouse (Bldg. 453)	8	8	Lb	1	Lb	2	X	X	X				Y
W0763	CLEAR RTV SILICONE (66BR CLEAR RTV SILICONE) 3 OZ. TUBE	453	Warehouse (Bldg. 453)	36	6.75	Lb	0.2	Lb	2	X	X	X				Y
W0763	CLEAR RTV SILICONE (66BR CLEAR RTV SILICONE) 3 OZ. TUBE	453	QA hold area (NE corner of Bldg. 453)	2	0.4	Lb	0.2	Lb	2	X	X	X				Y
W1115	SCOTCH-GRIP 1300 RUBBER AND GASKET ADHESIVE	453	Warehouse (Bldg. 453)	3	0.75	Gal	0.25	Gal	2	X	X	X				Y

**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

---

**Table B-3 - Purchased Chemical Inventory Screening**

MSDS	Chemicals Product Name	Bldg	Storage Area	Q3_2007 On-Hand Container Count	Total On-Hand Lb/Gal Equivalent Value	Lb/Gal Resultant Unit	Container Lb/Gal Equiv Value	Lb/Gal Resultant Unit	NFPA Health	NFPA Health Rate 2 or Less	Common Public Use	Lab Scale Qty	Low Dispersibility	Cryogenic	Physical State	Screens (Y/N)
W1128	INSTANT COLD GALVANIZE ZINC RICH GALVANIZE COATING (AEROSOL)	453	Warehouse (Bldg. 453)	34	27.6	Lb	0.8	Lb	2	X		X				Y
W1535	MOLYKOTE 557 SILICONE DRY FILM LUBRICANT (AEROSOL)	453	Warehouse (Bldg. 453)	2	1.4	Lb	0.7	Lb	2	X		X				Y
W1535	MOLYKOTE 557 SILICONE DRY FILM LUBRICANT (AEROSOL)	453	QA hold area (NE corner of Bldg. 453)	1	0.7	Lb	0.7	Lb	2	X		X				Y
W2665	BATTERY TERMINAL PROTECTOR (AEROSOL)	453	Warehouse (Bldg. 453)	4	1.9	Lb	0.5	Lb	2	X		X			Liquid	Y
W3017	NISSEN METAL MARKER IN A BOTTLE - BLUE	453	QA hold area (NE corner of Bldg. 453)	4	0.25	Lb	6.3E-02	Lb	2	X		X				Y
W0001	ABSORB-N-DRY (FULLER'S EARTH-MONTMORILLONITE)	453	Warehouse (Bldg. 453)	15	600	Lb	40	Lb	1	X		X				Y
W0018	PENETRATING GRADE THREADLOCKER GREEN 29040 was 290 WICKING GRADE TLOCKER GREEN	453	Warehouse (Bldg. 453)	2	0.2	Lb	7.6E-02	Lb	1	X		X				Y
W0058.4	ARGON	453	QA hold area (NE corner of Bldg. 453)	1	10.9	Lb	10.9	Lb	1	X		X				Y
W0149	BATTERY CLEANER (AEROSOL)	453	Warehouse (Bldg. 453)	22	15.1	Lb	0.7	Lb	1	X		X				Y
W0327	FLEETWELD 5P (WELDING RODS) (AWS E6010)	453	Warehouse (Bldg. 453)	1	50	Lb	50	Lb	1	X			X			Y
W0397	HEAVY DUTY SILICONE (AEROSOL)	453	Warehouse (Bldg. 453)	1	0.5	Lb	0.5	Lb	1	X		X				Y
W0414.5	HELIUM	453	QA hold area (NE corner of Bldg. 453)	1	10.9	Lb	10.9	Lb	1	X		X				Y
W0429.2	QUICK STARTING FLUID (CARQUEST STARTING FLUID PART 91015) (SITE STANDARD)AEROSOL	453	Warehouse (Bldg. 453)	5	3.4	Lb	0.7	Lb	1	X	X	X				Y
W0436	INLAND 19 (ALCATEL-100,PRECISION B+,VARIAN GP,...)	453	Warehouse (Bldg. 453)	12	3.2	Gal	0.3	Gal	1	X		X				Y
W0436	INLAND 19 (ALCATEL-100,PRECISION B+,VARIAN GP,...)	453	QA hold area (NE corner of Bldg. 453)	5	1.3	Gal	0.3	Gal	1	X		X				Y
W0440	JOE'S ALL PURPOSE HAND CLEANER	453	Warehouse (Bldg. 453)	14	26.25	Lb	1.875	Lb	1	X	X	X				Y
W0441	JOY MANUAL POT AND PAN DETERGENT (PROFESSIONAL LINE)	453	Warehouse (Bldg. 453)	17	44.6	Lb	2.6	Lb	1	X	X	X				Y
W0544.1	METHANE IN AIR (METHANE IN HC FREE AIR).0001-4%	453	Warehouse (Bldg. 453)	3	83.2	Gal	27.7	Gal	1	X						Y

**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

---

**Table B-3 - Purchased Chemical Inventory Screening**

MSDS	Chemicals Product Name	Bldg	Storage Area	Q3_2007 On-Hand Container Count	Total On-Hand Lb/Gal Equivalent Value	Lb/Gal Resultant Unit	Container Lb/Gal Equiv Value	Lb/Gal Resultant Unit	NFPA Health	NFPA Health Rate 2 or Less	Common Public Use	Lab Scale Qty	Low Dispersibility	Cryogenic	Physical State	Screens (Y/N)
W0779.4	RAID WASP & HORNET KILLER 271 (INSECTICIDE) (AEROSOL)	453	Warehouse (Bldg. 453)	13	12.2	Lb	0.9	Lb	1	X	X	X				Y
W0811.1	SPOTCHECK DEVELOPER SKD-S2 (AEROSOL)	453	QA hold area (NE corner of Bldg. 453)	2	1.5	Lb	0.7	Lb	1	X	X					Y
W0812	SKL-HF/S SPOTCHECK PENETRANT (DISCONTINUED PRODUCT) (AEROSOL)	453	QA hold area (NE corner of Bldg. 453)	1	0.6	Lb	0.6	Lb	1	X	X					Y
W1014	MAGNAFLUX MAGNETIC PARTICLE 8A RED (#8A RED MAGNAFLUX POWDER	453	QA hold area (NE corner of Bldg. 453)	2	14	Lb	7	Lb	1	X	X					Y
W1130	PENNZOIL LONG LIFE ENGINE OIL - ALL GRADES (40W)	453	Warehouse (Bldg. 453)	50	12.5	Gal	0.25	Gal	1	X	X	X				Y
W1140	ISOPROPANOL ANHYDROUS (ISOPROPYL ALCOHOL, ANHYDROUS)ALCOHOL, ISOPROPYL 99% U.S.P.	453	QA hold area (NE corner of Bldg. 453)	<1	1	Gal	1	Gal	1	X	X					Y
W1432	DOW CORNING (MOLYKOTE) G-N METAL ASSEMBLY PASTE	453	Warehouse (Bldg. 453)	1	0.5	Lb	0.5	Lb	1	X	X					Y
W1435	MOLYKOTE 44 HIGH TEMP. BEARING GREASE, MEDIUM	453	Warehouse (Bldg. 453)	1	0.3	Lb	0.3	Lb	1	X	X	X				Y
W1435.1	MOLYKOTE 44 HIGH TEMP. BEARING GREASE,LIGHT	453	Warehouse (Bldg. 453)	1	0.3	Lb	0.3	Lb	1	X	X	X				Y
W1518	JETWELD LH-70 - (ALL SIZES) AWS E7018H4R	453	Warehouse (Bldg. 453)	3	150	Lb	50	Lb	1	X						Y
W1606	RIDGID PREMIUM NUCLEAR THREAD CUTTING OIL	453	Warehouse (Bldg. 453)	1	1	Gal	1	Gal	1	X	X					Y
W1643.6	NORTON CHARGER PLUS 4 1/2" GRINDING WHEEL DISK 29855, UPC 6-62528-29855-2	453	Warehouse (Bldg. 453)	21			0		1	X			X			Y
W1689	MOLYKOTE 55 O-RING LUBRICANT DOW CORNING 55 O-RING LUBRICANT (O RING)	453	Warehouse (Bldg. 453)	3	1.0	Lb	0.3	Lb	1	X	X	X				Y
W1775	SIMPLE GREEN INDUSTRIAL CLEANER AND DEGREASER	453	Warehouse (Bldg. 453)	8	8	Gal	1	Gal	1	X	X	X				Y
W1884	LOW STRENGTH THREADLOCKER 222MS	453	Warehouse (Bldg. 453)	1	1.3E-02	Gal	1.3E-02	Gal	1	X	X	X			Liquid	Y
W1917	PENNZOIL MULTI-GRADE MOTOR OIL - ALL GRADES	453	Warehouse (Bldg. 453)	24	6	Gal	0.25	Gal	1	X	X	X				Y
W2063	ALUMINUM OXIDE ABRASIVE WHEEL	453	Warehouse (Bldg. 453)	12	12	Each	1	Each	1	X			X			Y
W2094	SPOTCHECK CLEANER/REMOVER SKC-S (AEROSOL)	453	QA hold area (NE corner of Bldg. 453)	5	3.3	Lb	0.66	Lb	1	X	X					Y

**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

---

**Table B-3 - Purchased Chemical Inventory Screening**

MSDS	Chemicals Product Name	Bldg	Storage Area	Q3_2007 On-Hand Container Count	Total On-Hand Lb/Gal Equivalent Value	Lb/Gal Resultant Unit	Container Lb/Gal Equiv Value	Lb/Gal Resultant Unit	NFPA Health	NFPA Health Rate 2 or Less	Common Public Use	Lab Scale Qty	Low Dispersibility	Cryogenic	Physical State	Screens (Y/N)
W2355	POWER LUBE MULTI-PURPOSE LUBRICANT - AEROSOL	453	Warehouse (Bldg. 453)	30	16.9	Lb	0.6	Lb	1	X	X	X				Y
W2355	POWER LUBE MULTI-PURPOSE LUBRICANT - AEROSOL	453	QA hold area (NE corner of Bldg. 453)	1	0.6	Lb	0.6	Lb	1	X	X	X				Y
W2421	PENNZOIL HD SAE MOTOR OIL WITH Z-7 ALL GRADES	453	Warehouse (Bldg. 453)	29	7.25	Gal	0.25	Gal	1	X	X	X				Y
W2451	ULTRAGEL II (ULTRASONIC COUPLANT)	453	QA hold area (NE corner of Bldg. 453)	<1	1	Gal	1	Gal	1	X		X				Y
W2472	BERRYMAN TIRE SEAL-R 1301, 1304, 1308, 1332, 1305, 1355	453	Warehouse (Bldg. 453)	2	2	Gal	1	Gal	1	X		X				Y
W2749.1	VIRAGUARD ALCOHOL-BASED DISINFECTANT/CLEANER & INSTRUMENT PRESOAK	453	Warehouse (Bldg. 453)	5	5	Gal	1	Gal	1	X		X				Y
W2756	AEROKROL (AEROSOL)	453	Warehouse (Bldg. 453)	2	1.25	Lb	0.625	Lb	1	X		X				Y
W2809	LENS CLEANING STATION (KLEEN VIEW) (C-CLEAR LENS CLEANING STATION FLUID)	453	Warehouse (Bldg. 453)	2	1	Lb	0.5	Lb	1	X	X	X				Y
W2852.1	WARREN WINDSHIELD WASHER FLUID (-20 DEG F)	453	Warehouse (Bldg. 453)	5	5	Gal	1	Gal	1	X	X	X				Y
W2917	VORTEC FLAP DISC (ABRASIVE FLAP DISC - ALUMINUM BACKED)WEILER CORP.ZIRCONIUM	453	Warehouse (Bldg. 453)	8	8	Each	1	Each	1	X			X			Y
W2921	MOLYKOTE G-4700 EXTREME PRESSURE SYNTHETIC GREASE	453	Warehouse (Bldg. 453)	1	0.3	Lb	0.3	Lb	1	X		X				Y
W2929	CC GOVERNMENT FORMULA 3 ANHYDROUS was (DENATURED ALCOHOL 3 ANHYDROUS)	453	QA hold area (NE corner of Bldg. 453)	1	5.00	Gal	5	Gal	1	X		X				Y
W2986	SJ-33 (COFFING #H-7813 TRANSMISSION OIL (KIT # 14J1) (GAFFEY CRANE)	453	Warehouse (Bldg. 453)	5	1.9	Gal	0.4	Gal	1	X		X				Y
W2991	CLR (CALCIUM LIME & RUST REMOVER)	453	Warehouse (Bldg. 453)	7	35	Gal	5	Gal	1	X	X	X				Y
W3012	OS-20 (VARIAN VACUUM PUMP CLEANING KIT/VACUSOLV)	453	QA hold area (NE corner of Bldg. 453)	1	1	Each	1	Each	1	X						Y
W3016	1062 HAND SANITIZER WIPES(QUICK & CLEAN HILLARY HAND SANITIZER)	453	Warehouse (Bldg. 453)	1	1	Each	1	Each	1	X	X					Y
W3060	MELT AWAY SNOW & ICE MELTER (PAX SNOW AND ICE MELTER)	453	Warehouse (Bldg. 453)	45	900	Lb	20	Lb	1	X	X	X				Y
W3064	MAGNAFLUX MAGNETIC PARTICLE 1 GREY	453	QA hold area (NE corner of Bldg. 453)	1	1	Lb	1	Lb	1	X	X					Y

**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

---

**Table B-3 - Purchased Chemical Inventory Screening**

MSDS	Chemicals Product Name	Bldg	Storage Area	Q3_2007 On-Hand Container Count	Total On-Hand Lb/Gal Equivalent Value	Lb/Gal Resultant Unit	Container Lb/Gal Equiv Value	Lb/Gal Resultant Unit	NFPA Health	NFPA Health Rate 2 or Less	Common Public Use	Lab Scale Qty	Low Dispersibility	Cryogenic	Physical State	Screens (Y/N)
W0272	DYNA-BLUE LUBRICANT (SITE STANDARD)	453	Warehouse (Bldg. 453)	2	2	Gal	1	Gal	0	X		X				Y
W0412	DOW CORNING HIGH VACUUM GREASE	453	Warehouse (Bldg. 453)	4	1.3	Lb	0.3	Lb	0	X	X	X				Y
W0412	DOW CORNING HIGH VACUUM GREASE	453	QA hold area (NE corner of Bldg. 453)	1	0.3	Lb	0.3	Lb	0	X	X	X				Y
W0426.1	WINDEX POWERIZED FORMULA (READY TO USE)	453	QA hold area (NE corner of Bldg. 453)	1	1	Gal	1	Gal	0	X	X	X				Y
W0659.1	NEVER-SEEZ PURE NICKEL SPECIAL (ANTI-SEIZE COMPOUND/LUBRICANT)	453	Warehouse (Bldg. 453)	5	5	Lb	1	Lb	0	X		X				Y
W0659.1	NEVER-SEEZ PURE NICKEL SPECIAL (ANTI-SEIZE COMPOUND/LUBRICANT)	453	QA hold area (NE corner of Bldg. 453)	1	1	Lb	1	Lb	0	X		X				Y
W0676	ONOX SOLUTION	453	Warehouse (Bldg. 453)	6	6	Gal	1	Gal	0	X		X				Y
W1021	212 SKIN CONDITIONER	453	Warehouse (Bldg. 453)	3	0.75	Lb	0.25	Lb	0	X	X	X				Y
W1092	CITGO PREMIUM LITHIUM EP-2 GREASE	453	Warehouse (Bldg. 453)	1	0.875	Lb	0.875	Lb	0	X	X	X				Y
W1160	MOBILTEMP SHC 32	453	Warehouse (Bldg. 453)	2	1	Lb	0.5	Lb	0	X	X	X				Y
W1501	SIEMENS GREASE #15-171-370-002 CHANCE ELECTRICAL CONTACT LUBRICANT	453	Warehouse (Bldg. 453)	3	1.5	Lb	0.5	Lb	0	X	X	X				Y
W1676.1	ALVANIA EP2 GREASE LITHIUM 71125	453	Warehouse (Bldg. 453)	25	22.0	Lb	0.9	Lb	0	X	X	X				Y
W1854	SAFETAP PLUS	453	Warehouse (Bldg. 453)	1	1	Gal	1	Gal	0	X		X				Y
W2362	BEACON P 290	453	Warehouse (Bldg. 453)	1	1	Lb	1	Lb	0	X		X				Y
W2400.1	M-RL4100 SYNTHETIC FLUID MAKO COMPRESSOR OIL (ANDEROL 555) (MADRELA P100 SHELL)	453	Warehouse (Bldg. 453)	1	1	Gal	1	Gal	0	X	X	X				Y
W2643	ROTELLA T MULTIGRADE SAE 15W-40 WITH ADVANCED SOOT CONTROL(WITH XLA)	453	Warehouse (Bldg. 453)	17	4.25	Gal	0.25	Gal	0	X	X	X				Y
W2664	FSSI 4867-02 OIL (MOBIL 600 W CYLINDER)OIL FERGUSON SERVICE SYSTEMS INC.	453	Warehouse (Bldg. 453)	7	1.75	Gal	0.25	Gal	0	X	X	X				Y
W2778	MOBILITH SHC 100 (644070-00) (NEW MSDS 644073-00, 971888)	453	Warehouse (Bldg. 453)	24	18.75	Lb	0.8	Lb	0	X	X	X				Y
W3074	ND 30 (NON DETERGENT MOTOR OIL SAE 30, GOLDEN WEST SUPERIOR NON-DETERGENT	453	Warehouse (Bldg. 453)	27	6.75	Gal	0.25	Gal	0	X	X	X				Y

**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

---

**Table B-3 - Purchased Chemical Inventory Screening**

MSDS	Chemicals Product Name	Bldg	Storage Area	Q3_2007 On-Hand Container Count	Total On-Hand Lb/Gal Equivalent Value	Lb/Gal Resultant Unit	Container Lb/Gal Equiv Value	Lb/Gal Resultant Unit	NFPA Health	NFPA Health Rate 2 or Less	Common Public Use	Lab Scale Qty	Low Dispersibility	Cryogenic	Physical State	Screens (Y/N)
W3083	FLEXBAR REPRORUBBER PUTTY	453	QA hold area (NE corner of Bldg. 453)	1	6.9E-02	Gal	6.9E-02	Gal	0	X		X				Y
W3098	BLACK DRY IMAGER (ON CARTON - DRY INK PLUS TONER 8825/8830)	453	Warehouse (Bldg. 453)	1	1	Each	1	Each	0	X	X					Y
W3135	DE-SOLV-IT (DE SOLV IT)/CITRUS SOLUTION	453	Warehouse (Bldg. 453)	1	0.8	Lb	0.8	Lb	0	X		X				Y
W0007	ALEX PLUS ACRYLIC LATEX CAULK PLUS SILICONE (ALL COLORS)	453	Warehouse (Bldg. 453)	6	3.75	Lb	0.625	Lb		Not Available	X	X				Y
W0020.1	AIR, COMPRESSED GAS IN CYLINDERS (UZAM)	453	Warehouse (Bldg. 453)	2	55.5	Gal	27.7	Gal		Not Available	X					Y
W0211	CLOROX REGULAR BLEACH (WAS ULTRA CLOROX REGULAR BLEACH)	453	Warehouse (Bldg. 453)	13	13	Gal	1	Gal		Not Available	X	X				Y
W0320	EPOXY DOUBLE BUBBLE RED PACKAGE (PART A & B) (RED/WHITE (EPOWELD 8173 PART A&B)	453	Warehouse (Bldg. 453)	1	1	Each	1	Each		Not Available	X					Y
W0516	LUBRIPLATE GEAR SHIELD EXTRA HEAVY (AEROSOL)	453	Warehouse (Bldg. 453)	3	2.1	Lb	0.7	Lb		Not Available		X				Y
W0944	TRI-FLOW SUPERIOR LUBRICANT WITH TEFLON (AEROSOL) TRIFLOW	453	Warehouse (Bldg. 453)	5	3.75	Lb	0.75	Lb		Not Available		X				Y
W1048.3	CARQUEST BRAKE FLUID DOT4 #54012 (CBF) UPC 11481 (COASTAL S.H.D. BRAKE FLUID)	453	Warehouse (Bldg. 453)	2	1.5	Lb	0.75	Lb		Not Available	X	X				Y
W1050	APIEZON L GREASE (WAS L,M,N)	453	Warehouse (Bldg. 453)	10	0.6	Lb	5.5E-02	Lb		Not Available		X				Y
W1050	APIEZON L GREASE (WAS L,M,N)	453	QA hold area (NE corner of Bldg. 453)	10	0.6	Lb	5.5E-02	Lb		Not Available		X				Y
W1132	GLASS CLEANER, 050 (AEROSOL)	453	Warehouse (Bldg. 453)	1	1.2	Lb	1.2	Lb		Not Available	X	X				Y
W1176	SANTOVAC FLUID 5 POLYPHENYL ETHER LUBRICANT (was SANTOVAC 5 VACUUM PUMP FLUID)	453	Warehouse (Bldg. 453)	8	0.1	Gal	1.7E-02	Gal		Not Available		X				Y
W1176	SANTOVAC FLUID 5 POLYPHENYL ETHER LUBRICANT (was SANTOVAC 5 VACUUM PUMP FLUID)	453	QA hold area (NE corner of Bldg. 453)	5	8.6E-02	Gal	1.7E-02	Gal		Not Available		X				Y
W1486	WESTINGHOUSE GREASE 53701AN	453	Warehouse (Bldg. 453)	1	1	Lb	1	Lb		Not Available		X				Y

**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

---

**Table B-3 - Purchased Chemical Inventory Screening**

MSDS	Chemicals Product Name	Bldg	Storage Area	Q3_2007 On-Hand Container Count	Total On-Hand Lb/Gal Equivalent Value	Lb/Gal Resultant Unit	Container Lb/Gal Equiv Value	Lb/Gal Resultant Unit	NFPA Health	NFPA Health Rate 2 or Less	Common Public Use	Lab Scale Qty	Low Dispersibility	Cryogenic	Physical State	Screens (Y/N)
W1563	WESTERN LEAK DETECTION COMPOUND LT-100 (LT-100K, LT-200 (LEAK TEST)	453	Warehouse (Bldg. 453)	7	0.2	Gal	3.1E-02	Gal		Not Available		X				Y
W1908	TFE (PTFE) FREE SEALANT (PTFE/TFE SAME CHEMICAL) PIPE THREAD SEALANT	453	Warehouse (Bldg. 453)	3	4.0E-02	Gal	1.3E-02	Gal		Not Available		X				Y
W1908	TFE (PTFE) FREE SEALANT (PTFE/TFE SAME CHEMICAL) PIPE THREAD SEALANT	453	QA hold area (NE corner of Bldg. 453)	2	2.6E-02	Gal	1.3E-02	Gal		Not Available		X				Y
W2120	CARQUEST COOLANT ADDITIVE	453	Warehouse (Bldg. 453)	3	0.4	Gal	0.1	Gal		Not Available	X	X				Y
W2880.3	44-0021900 ANTI RUST GLOSS WHITE INDUSTRIAL MAINTENANCE ENAMEL	453	QA hold area (NE corner of Bldg. 453)	1	1	Gal	1	Gal		Not Available	X	X				Y
W2880.7	44-0021934 ANTI RUST ENAMEL GRAY	453	QA hold area (NE corner of Bldg. 453)	1	1	Gal	1	Gal		Not Available	X	X				Y
W2987	MOLECULAR SIEVE 4A (MOISTURE INDICATING) (BLUE) (DESICCANT)4X8 MESH	453	Warehouse (Bldg. 453)	4	4	Gal	1	Gal		Not Available		X				Y
W3011	D-5665NS AVIONICS CONTACT CLEANER (AEROSOL)	453	Warehouse (Bldg. 453)	9	0.8	Gal	9.4E-02	Gal		Not Available		X				Y
W3026	DRI-SLIDE MULTI-PURPOSE LUBRICANT AEROSOL DRISLIDE DRI SLIDE	453	Warehouse (Bldg. 453)	10	3.3	Lb	0.3	Lb		Not Available		X				Y
W3029	URILOCK BLOCKING LIQUID (WATERLESS URINAL BLOCKING LIQUID)	453	Warehouse (Bldg. 453)	5	0.4	Gal	7.8E-02	Gal		Not Available	X	X				Y
W0650.6	NITROGEN (COMPRESSED & LIQUID CRYOGENIC)	455	Bldg. 455 Maint Shop	1	10.9	Lb	10.9	Lb	3			X			Gas	Y
W0385.1	SILICONE RUBBER COMPOUND (WINDOW & DOOR)CLEAR (GE012A)	455	Bldg. 455 Maint Shop	4	2.5	Lb	0.6	Lb	2	X	X	X				Y
W1604.1	DO-IT BEST WASP & HORNET KILLER AEROSOL	455	Bldg. 455 Maint Shop	2	1.9	Lb	0.9	Lb	2	X	X	X				Y
W2070	44 CORE (SOLDER), ("44" ROSIN FLUX CORED SOLDER)	455	Bldg. 455 Maint Shop	1	1	Lb	1	Lb	2	X		X	X			Y
W0058.4	ARGON	455	Bldg. 455 Maint Shop	1	1	Each	1	Each	1	X						Y
W0156.5	CARBON DIOXIDE	455	Bldg. 455 Maint Shop	1	1	Each	1	Each	1	X						Y
W2472	BERRYMAN TIRE SEAL-R 1301, 1304, 1308, 1332, 1305, 1355	455	Bldg. 455 Maint Shop	1	1	Gal	1	Gal	1	X		X				Y
W2937	DYNA 143 PARTS WASHING SOLVENT	455	Bldg. 455 Maint Shop	1	20	Gal	20	Gal	1	X						Y
W0003.1	ACETYLENE	455	Bldg. 455 Maint Shop	2	2	Each	1	Each	0	X						Y
W0673.4	OXYGEN	455	Bldg. 455 Maint Shop	2	2	Each	1	Each	0	X	X				Gas	Y

**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

---

**Table B-3 - Purchased Chemical Inventory Screening**

MSDS	Chemicals Product Name	Bldg	Storage Area	Q3_2007 On-Hand Container Count	Total On-Hand Lb/Gal Equivalent Value	Lb/Gal Resultant Unit	Container Lb/Gal Equiv Value	Lb/Gal Resultant Unit	NFPA Health	NFPA Health Rate 2 or Less	Common Public Use	Lab Scale Qty	Low Dispersibility	Cryogenic	Physical State	Screens (Y/N)
W3044	CITGO NON DETERGENT MOTOR OIL SAE 30	455	Bldg. 455 Maint Shop	1	0.25	Gal	0.25	Gal	0	X	X	X				Y
W1048.3	CARQUEST BRAKE FLUID DOT4 #54012 (CBF) UPC 11481 (COASTAL S.H.D. BRAKE FLUID)	455	Bldg. 455 Maint Shop	1	0.75	Lb	0.75	Lb		Not Available	X	X				Y
W2505	AMOS FEER'S FAMOUS FLUX (AMOS FEER'S FAMOUS 95/5 FLUX)	455	Bldg. 455 Maint Shop	1	0.5	Lb	0.5	Lb		Not Available		X				Y
W2595	BALLOTINI IMPACT BEADS	455	Bldg. 455 Maint Shop	1	50	Lb	50	Lb		Not Available	X					Y
W0274	DIESEL FUEL, NO. 1 FUEL OIL	456	456 (Water Pump House)	437	437	Gal	437	Gal	2	X	X					Y
W1900.5	INDUCLOR 70 (CALCIUM HYPOCHLORITE)	456	456 (Water Pump House)	1	100	Lb	100	Lb	2	X	X		X			Y
W1900.5	INDUCLOR 70 (CALCIUM HYPOCHLORITE)	456	456 (Water Pump House)	2	100	Gal	50	Gal	2	X	X		X			Y
W2012	DPD FREE CHLORINE REAGENT	456	456 (Water Pump House)	147	147	Each	1	Each	1	X						Y
W2013	DPD TOTAL CHLORINE REAGENT (POWDER PILLOWS)	456	456 (Water Pump House)	182	182	Each	1	Each	1	X						Y
W0980	WEBCOL ALCOHOL PREP PAD KENDALL 6818	458	Executive Dining Room	0.5	100	Each	200	Each	3		X					Y
W3048	CREW RESTROOM FLOOR & SURFACE SC NON-ACID DISINFECTANT CLEANER (RTD)	458	458 (Guard and Security)	1	0.4	Gal	0.4	Gal	3		X	X				Y
W2961	FOAMING BASEBOARD STRIPPER	458	458 (Guard and Security)	8	10	Lb	1.25	Lb	2	X		X				Y
W0676	ONOX SOLUTION	458	458 (Guard and Security)	1	1	Gal	1	Gal	0	X		X				Y
W2317	FIRST DEFENSE (& PEPPER 10)5039,5049,5089,5099,5721,574 6,5846L (AEROSOL)	458	G&S Bldg, Room 122 Equipment Storage	30	2.8	Lb	9.2E-02	Lb		Not Available		X				Y
W2317	FIRST DEFENSE (& PEPPER 10)5039,5049,5089,5099,5721,574 6,5846L (AEROSOL)	458	G&S Bldg, Room 122 Equipment Storage	47	8.8	Lb	0.2	Lb		Not Available		X				Y
W2727	IMAGE SUPPLY CITRUS SOLVENT	458	G&S Bldg. Badging Area	1	0.5	Lb	0.5	Lb		Not Available		X				Y
W0399	HYDROGEN SULFIDE IN NITROGEN	459	Bldg. 459 Gas Cage outside south door	1	0.25	Lb	0.25	Lb	3			X				Y
W0557	MERCURY (COLLOIDAL MERCURY; METALLIC MERCURY) (14020)	459	459 Metrology Chem Storage Cabinet	1	5.0E-03	Gal	5.0E-03	Gal	3			X				Y
W2142	BARIUM CHLORIDE, DIHYDRATE	459	459 Metrology Chem Storage Cabinet	1	5.5	Lb	5.5	Lb	3			X			Solid	Y
W2409	MERCURY SPILL CLEAN-UP KIT	459	459 Metrology Chem Storage Cabinet	1	1	Each	1	Each	3			X				Y

**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

---

**Table B-3 - Purchased Chemical Inventory Screening**

MSDS	Chemicals Product Name	Bldg	Storage Area	Q3_2007 On-Hand Container Count	Total On-Hand Lb/Gal Equivalent Value	Lb/Gal Resultant Unit	Container Lb/Gal Equiv Value	Lb/Gal Resultant Unit	NFPA Health	NFPA Health Rate 2 or Less	Common Public Use	Lab Scale Qty	Low Dispersibility	Cryogenic	Physical State	Screens (Y/N)
W0763	CLEAR RTV SILICONE (66BR CLEAR RTV SILICONE) 3 OZ. TUBE	459	459 Metrology Chem Storage Cabinet	1	0.2	Lb	0.2	Lb	2	X	X	X				Y
W1105.1	LOCTITE AVIATION GASKET SEALANT LIQUID	459	Bldg. 459, Tool Crib Flammable Cabinet	1	1	Lb	1	Lb	2	X		X				Y
W2070	44 CORE (SOLDER), ("44" ROSIN FLUX CORED SOLDER)	459	459 Metrology Work Bench	1	1	Lb	1	Lb	2	X		X	X			Y
W2131	MAGNESIUM NITRATE, HEXAHYDRATE	459	459 Metrology Chem Storage Cabinet	1	0	Lb	0.11	Lb	2	X		X				Y
W3034	OATEY REGULAR CLEAR PVC SOLVENT CEMENT	459	Bldg. 459, Tool Crib Flammable Cabinet	8	2	Lb	0.25	Lb	2	X	X	X				Y
W3034.1	OATEY PURPLE PRIMER NSF	459	Bldg. 459, Tool Crib Flammable Cabinet	8	2	Lb	0.25	Lb	2	X	X	X				Y
W3082	HYPALON REPAIR KIT, HYPALON PLASTIC WELDING ADHESIVE, XYLENE	459	Bldg. 459, Tool Crib Flammable Cabinet	1	1	Gal	1	Gal	2	X		X				Y
W3107	ONE-COMPONENT POLYURETHANE FOAM SEALANT/ADHESIVE (ONE COMPONENT) AEROSOL	459	Bldg. 459, Tool Crib Flammable Cabinet	3	4.5	Lb	1.5	Lb	2	X		X				Y
W0145	AEROSOL (WAS X-51-04036)	459	459 Metrology Work Bench	1	0.6	Lb	0.6	Lb	1	X		X				Y
W0828.2	SODIUM CHLORIDE; COMMON SALT; HALITE	459	459 Metrology Chem Storage Cabinet	1	5.5E-02	Lb	5.5E-02	Lb	1	X		X				Y
W1657.1	DOW CORNING 316 SILICONE RELEASE (BULK)	459	Bldg. 459, Tool Crib Flammable Cabinet	1	5	Gal	5	Gal	1	X		X				Y
W1863	ABRASIVE WHEEL, GRINDING WHEEL, FLEX WHEEL, CUT-OFF WHEEL, SANDING DISC	459	Bldg. 459, M&TE Equipment Control	20	20	Each	1	Each	1	X	X		X			Y
W2063	ALUMINUM OXIDE ABRASIVE WHEEL	459	Bldg. 459, M&TE Equipment Control	25	25	Each	1	Each	1	X			X			Y
W2141	MAGNESIUM CHLORIDE	459	459 Metrology Chem Storage Cabinet	1	5.5	Lb	5.5	Lb	1	X		X				Y
W2143	LITHIUM CHLORIDE	459	459 Metrology Chem Storage Cabinet	2	11	Lb	5.5	Lb	1	X		X				Y
W2958	PAINT THINNER (MINERAL SPIRITS)	459	Bldg. 459, Tool Crib Flammable Cabinet	1					1	X	X					Y
W2959	XL COUPLANT (ULTRASONIC COUPLANT)	459	459 Metrology Chem Storage Cabinet	1	0.5	Lb	0.5	Lb	1	X		X				Y
W2991	CLR (CALCIUM LIME & RUST REMOVER)	459	Bldg. 459, Tool Crib Flammable Cabinet	1	2.6	Lb	2.6	Lb	1	X	X	X				Y
W0125	PROPANE	459	Bldg. 459, Tool Crib Flammable Cabinet	2	1.8	Lb	0.9	Lb	0	X		X				Y

**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

---

**Table B-3 - Purchased Chemical Inventory Screening**

MSDS	Chemicals Product Name	Bldg	Storage Area	Q3_2007 On-Hand Container Count	Total On-Hand Lb/Gal Equivalent Value	Lb/Gal Resultant Unit	Container Lb/Gal Equiv Value	Lb/Gal Resultant Unit	NFPA Health	NFPA Health Rate 2 or Less	Common Public Use	Lab Scale Qty	Low Dispersibility	Cryogenic	Physical State	Screens (Y/N)
W0125	PROPANE	459	Bldg. 459 Gas Cage outside south door	1	0.9	Lb	0.9	Lb	0	X		X				Y
W1079.1	SOUNDSAFE (ULTRASOUND COUPLANT) CONTROLOTRON CC102	459	459 Metrology Work Area	1	0.5	Lb	0.5	Lb	0	X		X				Y
W1286.1	SHEETROCK ALL PURPOSE JOINT COMPOUND READY MIXED	459	Bldg. 459, Tool Crib Flammable Cabinet	1	1	Gal	1	Gal	0	X	X	X				Y
W0163.2	OXYGEN IN NITROGEN	459	Bldg. 459 Gas Cage outside south door	1	1	Each	1	Each		Not Available	X					Y
W1407.1	CARBON MONOXIDE IN NITROGEN (.0026-14.9%) (26-149000ppm)	459	Bldg. 459 Gas Cage outside south door	1	0.4	Lb	0.4	Lb		Not Available		X				Y
W1654	ACRYLIC SEAM SEALER (ACRYL-R SEALANTS CAULKS) (SM 5504)	459	Bldg. 459, Tool Crib Flammable Cabinet	1	1	Each	1	Each		Not Available	X					Y
W1703	ALUMINUM (HEAT RESISTANT ALUMINUM) (HEAT RESISTANT COATING) PAINT	459	Bldg. 459, Tool Crib Flammable Cabinet	1	1	Gal	1	Gal		Not Available	X	X				Y
W2370.1	NITROGEN DIOXIDE IN AIR	459	Bldg. 459 Gas Cage outside south door	1	0.1	Lb	0.1	Lb		Not Available		X				Y
W2813	RADIO SHACK LUBE GEL	459	459 Metrology Work Area	1	0.2	Lb	0.2	Lb		Not Available	X	X				Y
W2880	44-0021931 ANTI RUST REGAL RED INDUSTRIAL MAINTENANCE ENAMEL	459	Bldg. 459, Tool Crib Flammable Cabinet	8	8	Gal	1	Gal		Not Available	X	X				Y
W2880.1	44-0021945 ANTI RUST SAFETY YELLOW INDUSTRIAL MAINTENANCE ENAMEL	459	Bldg. 459, Tool Crib Flammable Cabinet	10	10	Gal	1	Gal		Not Available	X	X				Y
W2880.2	44-0021938 ANTI RUST REGAL BLUE INDUSTRIAL MAINTENANCE ENAMEL	459	Bldg. 459, Tool Crib Flammable Cabinet	1	1	Gal	1	Gal		Not Available	X	X				Y
W2880.3	44-0021900 ANTI RUST GLOSS WHITE INDUSTRIAL MAINTENANCE ENAMEL	459	Bldg. 459, Tool Crib Flammable Cabinet	3	3	Gal	1	Gal		Not Available	X	X				Y
W2880.4	44-0021924 ANTI RUST GLOSS BLACK INDUSTRIAL MAINTENANCE ENAMEL	459	Bldg. 459, Tool Crib Flammable Cabinet	5	5	Gal	1	Gal		Not Available	X	X				Y
W2880.5	44-0021951 ANTI RUST ENAMEL RED OXIDE PRIMER INDUSTRIAL MAINTENANCE ENAMEL	459	Bldg. 459, Tool Crib Flammable Cabinet	4	4	Gal	1	Gal		Not Available	X	X				Y
W2880.6	44-0021911 ANTI RUST TINT BASE (ALMOND)	459	Bldg. 459, Tool Crib Flammable Cabinet	9	9	Gal	1	Gal		Not Available	X	X				Y
W2880.7	44-0021934 ANTI RUST ENAMEL GRAY	459	Bldg. 459, Tool Crib Flammable Cabinet	2	2	Gal	1	Gal		Not Available	X	X				Y

**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

---

**Table B-3 - Purchased Chemical Inventory Screening**

MSDS	Chemicals Product Name	Bldg	Storage Area	Q3_2007 On-Hand Container Count	Total On-Hand Lb/Gal Equivalent Value	Lb/Gal Resultant Unit	Container Lb/Gal Equiv Value	Lb/Gal Resultant Unit	NFPA Health	NFPA Health Rate 2 or Less	Common Public Use	Lab Scale Qty	Low Dispersibility	Cryogenic	Physical State	Screens (Y/N)
W2880.8	44-0021929 ANTI RUST ENAMEL C BASE (TINT BASE OSHA BLUE OSHA GREEN)	459	Bldg. 459, Tool Crib Flammable Cabinet	3	3	Gal	1	Gal		Not Available	X	X				Y
W2892	ECO SPRAY (PLASTIC SAFE, CFC-FREE CONTACT CLEANER)	459	459 Metrology Chem Storage Cabinet	1	0.75	Lb	0.75	Lb		Not Available		X				Y
W2900	PROMAR 200 INTERIOR LATEX SEMI-GLOSS ENAMEL, EXTRA WHITE 6405-12745	459	Bldg. 459, Tool Crib Flammable Cabinet	4	4	Gal	1	Gal		Not Available	X	X				Y
W2953	SUPER LUBE GREASE	459	459 Metrology Work Area	1	0.1875	Lb	0.1875	Lb		Not Available	X	X				Y
W3073	CENTERFIRE LOADED ROUNDS (AMMUNITION)WINCHESTER, REMINGTON, SMITH & WESSON,	473	473 Armory, Ammunition Storage Room	2510	2510	Each	1	Each		Not Available	X					Y
W3079	SUNX, SPF 30+ SUNSCREEN LOTION, CORETEX PRODUCTS, INC.	473	Armory	1	1	Each	1	Each		Not Available	X					Y
W0650.6	NITROGEN (COMPRESSED & LIQUID CRYOGENIC)	474	474 Haz-Mat Dock	8	87.0	Lb	10.9	Lb	3			X			Gas	Y
W0982.1	WEM CL 952	474	474 Haz-Mat Dock	7	7	Gal	1	Gal	3			X				Y
W0012	ACTIVATED ALUMINA	474	474 Haz-Mat Dock	1	55	Gal	55	Gal	2	X						Y
W0144	FC FLUID - D	474	474 Haz-Mat Dock	3	165	Gal	55	Gal	2	X						Y
W1900.5	INDUCLOR 70 (CALCIUM HYPOCHLORITE)	474	474 Haz-Mat Dock	2	200	Lb	100	Lb	2	X	X		X			Y
W2294	CHEVRON NRR GREASE 509	474	474 Haz-Mat Dock	1	5	Gal	5	Gal	2	X	X	X				Y
W0058.4	ARGON	474	474 Haz-Mat Dock	1	1	Each	1	Each	1	X						Y
W0156.5	CARBON DIOXIDE	474	474 Haz-Mat Dock	2	2	Each	1	Each	1	X						Y
W0213.1	COGLUBE LUBRICANT NO.14 (DISCONTINUED PRODUCT SEE IN HARD COPY FILE 2-2006)	474	474 Haz-Mat Dock	1	120	Lb	120	Lb	1	X						Y
W0213.2	COGLUBE 9 (DISCONTINUED PRODUCT PER E-MAIL IN HARD COPY FILE 2-2006)	474	474 Haz-Mat Dock	1	5	Gal	5	Gal	1	X		X				Y
W0220	KENDAL INDUSTRIAL GEAR OIL ALL GRADES WAS INDUSTRIAL GEAR OILS 68,100,150,...	474	474 Haz-Mat Dock	1	55	Gal	55	Gal	1	X	X					Y
W0228	CRATER 2X (0948)	474	474 Haz-Mat Dock	2	10	Gal	5	Gal	1	X		X				Y
W0341	CONOCO HEAVY DUTY FLEET ENGINE OIL/SUPREME FLEET HEAVY DUTY MOTOR OIL	474	474 Haz-Mat Dock	1	5	Gal	5	Gal	1	X	X	X				Y
W0414.5	HELIUM	474	474 Haz-Mat Dock	2	2	Each	1	Each	1	X						Y
W0774	PURPLE-K DRY CHEMICAL EXTINGUISHING AGENT	474	474 Haz-Mat Dock	32	1600	Lb	50	Lb	1	X		X				Y

**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

---

**Table B-3 - Purchased Chemical Inventory Screening**

MSDS	Chemicals Product Name	Bldg	Storage Area	Q3_2007 On-Hand Container Count	Total On-Hand Lb/Gal Equivalent Value	Lb/Gal Resultant Unit	Container Lb/Gal Equiv Value	Lb/Gal Resultant Unit	NFPA Health	NFPA Health Rate 2 or Less	Common Public Use	Lab Scale Qty	Low Dispersibility	Cryogenic	Physical State	Screens (Y/N)
W0811.1	SPOTCHECK DEVELOPER SKD-S2 (AEROSOL)	474	474 Haz-Mat Dock	6	4.4	Lb	0.7	Lb	1	X		X				Y
W0860	SUPER HYDRAULIC OIL 22, 32, 46, 68	474	474 Haz-Mat Dock	2	110	Gal	55	Gal	1	X	X					Y
W0920	134 HYDRAULIC OIL (NEW HOLLAND 134 HYD.OIL) WAS FORD NEW HOLLAND HYD OIL 134D	474	474 Haz-Mat Dock	6	1.5	Gal	0.25	Gal	1	X	X	X				Y
W0932	THERMATEX EP2 (02347)	474	474 Haz-Mat Dock	1	5	Gal	5	Gal	1	X		X				Y
W1013.1	CITGO CITGUARD 500 MOTOR OIL, SAE 10W	474	474 Haz-Mat Dock	2	10	Gal	5	Gal	1	X	X	X				Y
W1014	MAGNAFLUX MAGNETIC PARTICLE 8A RED (#8A RED MAGNAFLUX POWDER	474	474 Haz-Mat Dock	4	28	Lb	7	Lb	1	X		X				Y
W1041	CHEVRON PINION GREASE 250 CB	474	474 Haz-Mat Dock	1	5	Gal	5	Gal	1	X	X	X				Y
W1106.3	REGAL R&O 100 (00706)	474	474 Haz-Mat Dock	1	55	Gal	55	Gal	1	X						Y
W1312	OMNIGUARD SRI LUBRICANT WAS CONOFLEX SRI LUBRICANT SEE NOTE IN FILE	474	474 Haz-Mat Dock	1	55	Gal	55	Gal	1	X						Y
W1491	CHEVRON NRR OIL 358	474	474 Haz-Mat Dock	1	5	Gal	5	Gal	1	X	X	X				Y
W1491	CHEVRON NRR OIL 358	474	474 Haz-Mat Dock	1	1	Gal	1	Gal	1	X	X	X				Y
W1504	CONOCO TURBINE OIL ALL GRADES WAS TURBINE OIL 32,46,68,100,(32S) (HYDROCLEAR)	474	474 Haz-Mat Dock	1	55	Gal	55	Gal	1	X						Y
W1952.1	CURVE RAIL EP 2 INACTIVE SINCE 9-30-99 ACC. TO PENNZOIL	474	474 Haz-Mat Dock	1	5	Gal	5	Gal	1	X		X				Y
W2593	SH-46 (SYNTHETIC AIR COMPRESSOR LUBRICANT) SH-32, -68, -100, -150.	474	474 Haz-Mat Dock	6	30	Gal	5	Gal	1	X		X				Y
W2799	CHEVRON FIRE-RESISTANT FLUID D	474	474 Haz-Mat Dock	2	110	Gal	55	Gal	1	X						Y
W2832	SYNCON SYNTHETIC EP GEAR OIL, ISO 150, 220, 320, 460, 680	474	474 Haz-Mat Dock	1	5	Gal	5	Gal	1	X	X	X				Y
W2832	SYNCON SYNTHETIC EP GEAR OIL, ISO 150, 220, 320, 460, 680	474	474 Haz-Mat Dock	2	110	Gal	55	Gal	1	X	X					Y
W2929	CC GOVERNMENT FORMULA 3 ANHYDROUS was (DENATURED ALCOHOL 3 ANHYDROUS)	474	474 Haz-Mat Dock	11	55	Gal	5	Gal	1	X		X				Y
W2998.1	CARDIUM FLUID M	474	474 Haz-Mat Dock	2	10	Gal	5	Gal	1	X		X				Y

**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

---

**Table B-3 - Purchased Chemical Inventory Screening**

MSDS	Chemicals Product Name	Bldg	Storage Area	Q3_2007 On-Hand Container Count	Total On-Hand Lb/Gal Equivalent Value	Lb/Gal Resultant Unit	Container Lb/Gal Equiv Value	Lb/Gal Resultant Unit	NFPA Health	NFPA Health Rate 2 or Less	Common Public Use	Lab Scale Qty	Low Dispersibility	Cryogenic	Physical State	Screens (Y/N)
W0193.1	CHEVRON ROCK DRILL OIL VISTAC ISO 32, 46, 100, 150, 320	474	474 Haz-Mat Dock	2	110	Gal	55	Gal	0	X						Y
W0398.4	HYDROGEN	474	474 Gas Dock	1	10.9	Lb	10.9	Lb	0	X		X				Y
W0622	MULTIFAK EP 1	474	474 Haz-Mat Dock	1	5	Gal	5	Gal	0	X		X				Y
W0673.4	OXYGEN	474	474 Haz-Mat Dock	1	1	Each	1	Each	0	X	X				Gas	Y
W1091	CITGO PACEMAKER T-32 OIL	474	474 Haz-Mat Dock	5	275	Gal	55	Gal	0	X	X					Y
W1092	CITGO PREMIUM LITHIUM EP-2 GREASE	474	474 Haz-Mat Dock	1	120	Lb	120	Lb	0	X	X					Y
W1093	CITGARD 500 MOTOR OIL SAE 30 (CITGO MOTOR OILS SUS >400)	474	474 Haz-Mat Dock	3	15	Gal	5	Gal	0	X	X	X				Y
W1094	CITGO A/W HYDRAULIC OIL 68	474	474 Haz-Mat Dock	4	220	Gal	55	Gal	0	X	X					Y
W1096	CITGO PACEMAKER T-68 OIL	474	474 Haz-Mat Dock	1	55	Gal	55	Gal	0	X	X					Y
W1096.2	CITGO PACEMAKER T-46 OIL	474	474 Haz-Mat Dock	1	55	Gal	55	Gal	0	X	X					Y
W1099	CITGO PREMIUM GEAR OIL (MP) 80W-90 (MULTI PURPOSE)	474	474 Haz-Mat Dock	1	55	Gal	55	Gal	0	X	X					Y
W1100	CITGO SLIDERITE 68 OIL	474	474 Haz-Mat Dock	4	220	Gal	55	Gal	0	X	X					Y
W1100	CITGO SLIDERITE 68 OIL	474	474 Haz-Mat Dock	2	10	Gal	5	Gal	0	X	X	X				Y
W1100.1	CITGO SLIDERITE 220 OIL (WAY LUBRICANT)	474	474 Haz-Mat Dock	2	110	Gal	55	Gal	0	X	X					Y
W1102	CITGO EP COMPOUND 68	474	474 Haz-Mat Dock	1	55	Gal	55	Gal	0	X	X					Y
W1103	CITGO EP COMPOUND 320	474	474 Haz-Mat Dock	1	55	Gal	55	Gal	0	X	X					Y
W1104	CITGO TRANSGARD TRACTOR HYDRAULIC FLUID (HYD. FLUID SUS-5)	474	474 Haz-Mat Dock	10	50	Gal	5	Gal	0	X	X	X				Y
W1119	MEROPA OILS 68,150,220,320,460,680,1000,150 0,3200,100,(was MEROPA 460 (02325)	474	474 Haz-Mat Dock	1	5	Gal	5	Gal	0	X	X	X				Y
W1415.2	TELLUS 32 PREMIUM	474	474 Haz-Mat Dock	3	165	Gal	55	Gal	0	X						Y
W1415.2	TELLUS 32 PREMIUM	474	474 Haz-Mat Dock	3	15	Gal	5	Gal	0	X		X				Y
W1676	ALVANIA EP GREASE 00 (WAS SHELL ALVANIA EP LF GREASE ROO)	474	474 Haz-Mat Dock	1	55	Gal	55	Gal	0	X						Y
W1760.1	SONTEX 100-LT (WHITE MINERAL OIL)	474	474 Haz-Mat Dock	4	4	Gal	1	Gal	0	X		X				Y
W2341	CHEVRON HYDRAULIC OIL AW ISO 32,46,68 (USED TO INCLUDE 22)	474	474 Haz-Mat Dock	1	5	Gal	5	Gal	0	X	X	X				Y
W2420	MOBILGEAR 627	474	474 Haz-Mat Dock	1	5	Gal	5	Gal	0	X	X	X				Y

**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

---

**Table B-3 - Purchased Chemical Inventory Screening**

MSDS	Chemicals Product Name	Bldg	Storage Area	Q3_2007 On-Hand Container Count	Total On-Hand Lb/Gal Equivalent Value	Lb/Gal Resultant Unit	Container Lb/Gal Equiv Value	Lb/Gal Resultant Unit	NFPA Health	NFPA Health Rate 2 or Less	Common Public Use	Lab Scale Qty	Low Dispersibility	Cryogenic	Physical State	Screens (Y/N)
W2573	ATF MERCON/DEXRON III (01854) (SITE STANDARD/NO SUBSTITUTION)	474	474 Haz-Mat Dock	1	5	Gal	5	Gal	0	X		X				Y
W2638	XD-3 30 (30W OIL) (MC STOCK# X-12-01675)	474	474 Haz-Mat Dock	4	220	Gal	55	Gal	0	X	X					Y
W2643	ROTELLA T MULTIGRADE SAE 15W-40 WITH ADVANCED SOOT CONTROL/WITH XLA)	474	474 Haz-Mat Dock	1	5	Gal	5	Gal	0	X	X	X				Y
W2711	ALL MINERAL GEAR OIL (PHILUBE AMGO 85W-90, 140)	474	474 Haz-Mat Dock	5	25	Gal	5	Gal	0	X	X	X				Y
W2951	SHELL SPINDLE OIL 10 (HYDRAULIC)	474	474 Haz-Mat Dock	2	10	Gal	5	Gal	0	X	X	X				Y
W2974	OMALA OIL 460 NO SUBSTITUTION ON SSR	474	474 Haz-Mat Dock	4	20	Gal	5	Gal	0	X	X	X				Y
W2993	CITGO TRANSGUARD ATF DEXRON III - MERCON (AUTOMATIC TRANSMISSION FLUID)	474	474 Haz-Mat Dock	4	20	Gal	5	Gal	0	X	X	X				Y
W2993	CITGO TRANSGUARD ATF DEXRON III - MERCON (AUTOMATIC TRANSMISSION FLUID)	474	474 Haz-Mat Dock	1	55	Gal	55	Gal	0	X	X					Y
W2993.1	CITGO TRANSGUARD TORQUE CONVERTER FLUID 250 (TCF 250)	474	474 Haz-Mat Dock	2	110	Gal	55	Gal	0	X	X					Y
W3036	CITGO SYNTHETIC GEAR OIL, SAE 80W-140	474	474 Haz-Mat Dock	1	5	Gal	5	Gal	0	X	X	X				Y
W3120	MOBILGEAR 600 XP 150 (GEAR OIL)	474	474 Haz-Mat Dock	4	220	Gal	55	Gal	0	X	X					Y
W0877.5	ASHLAND FLEET ANTIFREEZE (SITE STANDARD ANTIFREEZE/NO SUBSTITUTION)	474	474 Haz-Mat Dock	2	110	Gal	55	Gal		Not Available	X					Y
W1109.1	SUPERIOR SMOKE (FOR AIR FLOW STUDIES)	474	474 Haz-Mat Dock	49	490	Lb	10	Lb		Not Available		X				Y
W1791	PRISM	474	474 Haz-Mat Dock	2	2	Gal	1	Gal		Not Available		X				Y
W2721.1	CORE 12F	474	474 Haz-Mat Dock	10	10	Gal	1	Gal		Not Available	X	X				Y
W1491	CHEVRON NRR OIL 358	482	Bldg. 482 Bulk storage	1	55	Gal	55	Gal	1	X	X					Y
W2832	SYNCON SYNTHETIC EP GEAR OIL, ISO 150, 220, 320, 460, 680	482	Bldg. 482 Bulk storage	1	55	Gal	55	Gal	1	X	X					Y
W2341	CHEVRON HYDRAULIC OIL AW ISO 32,46,68 (USED TO INCLUDE 22)	482	Bldg. 482 Bulk storage	2	10	Gal	5	Gal	0	X	X	X				Y
W1158	EXTRA STRENGTH CSP CLEANER	486		2	0.5	Gal	0.25	Gal	3		X	X				Y

**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

---

**Table B-3 - Purchased Chemical Inventory Screening**

MSDS	Chemicals Product Name	Bldg	Storage Area	Q3_2007 On-Hand Container Count	Total On-Hand Lb/Gal Equivalent Value	Lb/Gal Resultant Unit	Container Lb/Gal Equiv Value	Lb/Gal Resultant Unit	NFPA Health	NFPA Health Rate 2 or Less	Common Public Use	Lab Scale Qty	Low Dispersibility	Cryogenic	Physical State	Screens (Y/N)
W1148.3	HIL-TREAT DUST MOP TREATMENT (AEROSOL)	486		2	2.2	Lb	1.1	Lb	2	X	X	X				Y
W1167.1	LYSOL I.C. (INFECTION CONTROL) DISINFECTANT SPRAY (AEROSOL)	486		1	1.2	Lb	1.2	Lb	1	X	X	X				Y
W0211	CLOROX REGULAR BLEACH (WAS ULTRA CLOROX REGULAR BLEACH)	486		1	0.75	Gal	0.75	Gal		Not Available	X	X				Y
XH001	Creme Clean Clean Assist	486		3	0.75	Gal	0.25	Gal		Not Available	X	X				Y
W1148.3	HIL-TREAT DUST MOP TREATMENT (AEROSOL)	489		1	1.1	Lb	1.1	Lb	2	X	X	X				Y
W0779.4	RAID WASP & HORNET KILLER 271 (INSECTICIDE) (AEROSOL)	489		1	1.1	Lb	1.1	Lb	1	X	X	X				Y
W1167	LYSOL BRAND II DISINFECTANT SPRAY - ALL SCENTS (AEROSOL)	489		2	2.25	Lb	1.125	Lb	1	X	X	X				Y
W1167.1	LYSOL I.C. (INFECTION CONTROL) DISINFECTANT SPRAY (AEROSOL)	489		1	1.2	Lb	1.2	Lb	1	X	X	X				Y
W1775	SIMPLE GREEN INDUSTRIAL CLEANER AND DEGREASER	489		1	1	Gal	1	Gal	1	X	X	X				Y
W0211	CLOROX REGULAR BLEACH (WAS ULTRA CLOROX REGULAR BLEACH)	489		1	0.75	Gal	0.75	Gal		Not Available	X	X				Y
W0216	COMET CLEANSER (REGULAR AND LEMON FRESH FRAGRANCES)	489		1	0.9	Lb	0.9	Lb		Not Available	X	X				Y
XH001	Creme Clean Clean Assist	489		1	0.25	Gal	0.25	Gal		Not Available	X	X				Y
XH002	GoJo Moisturizing Hand Creme	489		1	0.2	Gal	0.2	Gal		Not Available	X	X				Y
W0763	CLEAR RTV SILICONE (66BR CLEAR RTV SILICONE) 3 OZ. TUBE	918	Bldg. 918	2	0.4	Lb	0.2	Lb	2	X	X	X				Y
W0018	PENETRATING GRADE THREADLOCKER GREEN 29040 was 290 WICKING GRADE TLOCKER GREEN	918	Bldg. 918	1	7.6E-02	Lb	7.6E-02	Lb	1	X		X				Y
W0569	M-BOND AE RESIN	918	Bldg. 918	4	8.8E-02	Lb	2.2E-02	Lb		Not Available		X				Y
W0571	M-BOND CURING AGENT TYPE 10	918	Bldg. 918	1	4.0E-03	Gal	4.0E-03	Gal		Not Available		X				Y
W0572	M-FLUX AR (1585 ROSIN FLUX KESTER SOLDER 708-297-9300)	918	Bldg. 918	1	1	Lb	1	Lb		Not Available		X	X			Y
W0440	JOE'S ALL PURPOSE HAND CLEANER	952	952 Offices	3	5.625	Lb	1.875	Lb	1	X	X	X				Y

**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

---

**Table B-3 - Purchased Chemical Inventory Screening**

MSDS	Chemicals Product Name	Bldg	Storage Area	Q3_2007 On-Hand Container Count	Total On-Hand Lb/Gal Equivalent Value	Lb/Gal Resultant Unit	Container Lb/Gal Equiv Value	Lb/Gal Resultant Unit	NFPA Health	NFPA Health Rate 2 or Less	Common Public Use	Lab Scale Qty	Low Dispersibility	Cryogenic	Physical State	Screens (Y/N)
W1463	PARA BLOCKS AND CRYSTALS (BLOX ODOR BLOCKS AND CAKES)	986	986	22	2.75	Lb	0.125	Lb	2	X		X				Y
W0274	DIESEL FUEL, NO. 1 FUEL OIL	255.1-255.2	Diesel Generators	650	650	Gal	700	Gal	2	X	X					Y
W0385.1	SILICONE RUBBER COMPOUND (WINDOW & DOOR)CLEAR (GE012A)	362	AIS Hoist House, West side at winch shed.	6	0.5	Gal	7.9E-02	Gal	2	X	X	X				Y
W0498	KRYLON INTERIOR/EXTERIOR PAINT (#1404-2507)KRYLON INDUST MAINT & TOUCH (AEROSOL)	362	AIS Hoist House, SE corner storage bldg.	24	18	Lb	0.75	Lb	2	X	X	X				Y
W1128	INSTANT COLD GALVANIZE ZINC RICH GALVANIZE COATING (AEROSOL)	362	AIS Hoist House, SE corner storage bldg.	6	4.5	Lb	0.75	Lb	2	X		X				Y
W1312	OMNIGUARD SRI LUBRICANT WAS CONOFLEX SRI LUBRICANT SEE NOTE IN FILE	362	AIS Hoist House, West side at winch shed.	6	30	Gal	5	Gal	1	X		X				Y
W1910	ACCROLUBE (TEFLON/PETROLEUM GREASE NLGI #2)	362	AIS Hoist House, SE corner storage bldg.	9	8.2	Lb	0.9	Lb	1	X		X				Y
W2316	FIRELAB FIRECOAT/320 LATEX PAINT	362	AIS Hoist House, SE corner storage bldg.	1	1	Gal	1	Gal	1	X	X	X				Y
W2355	POWER LUBE MULTI-PURPOSE LUBRICANT - AEROSOL	362	AIS Hoist House, SE corner storage bldg.	5	2.8	Lb	0.6	Lb	1	X	X	X				Y
W3092	DI-ELECTRIC GREASE (DIELECTRIC DI ELECTRIC) (AEROSOL)	362	AIS Hoist House, SE corner storage bldg.	4	2.50	Lb	0.625	Lb	1	X		X				Y
W0659	NEVER-SEEZ REGULAR GRADE (ANTI-SEIZE COMPOUND/LUBRICANT)	362	AIS Hoist House, SE corner storage bldg.	1	1	Lb	1	Lb	0	X		X				Y
W1075	UNIQUE MOTOR OIL (SAE 30 NON-DETERGENT)	362	AIS Hoist House, West side at winch shed.	1	2	Lb	2	Lb	0	X	X	X				Y
W1100.1	CITGO SLIDERITE 220 OIL (WAY LUBRICANT)	362	AIS Hoist House, West side at winch shed.	1	55	Gal	55	Gal	0	X	X					Y
W1676.1	ALVANIA EP2 GREASE LITHIUM 71125	362	AIS Hoist House, West side at winch shed.	5	4.4	Lb	0.9	Lb	0	X	X	X				Y
W0498.10	KRYLON OSHA COLORS, SAFETY ORANGE/POPSICLE ORANGE (AEROSOL)	362	AIS Hoist House, SE corner storage bldg.	6	4.5	Lb	0.75	Lb		Not Available	X	X				Y
W0944	TRI-FLOW SUPERIOR LUBRICANT WITH TEFLON (AEROSOL) TRIFLOW	362	AIS Hoist House, SE corner storage bldg.	3	2.25	Lb	0.75	Lb		Not Available		X				Y

**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

---

**Table B-3 - Purchased Chemical Inventory Screening**

MSDS	Chemicals Product Name	Bldg	Storage Area	Q3_2007 On-Hand Container Count	Total On-Hand Lb/Gal Equivalent Value	Lb/Gal Resultant Unit	Container Lb/Gal Equiv Value	Lb/Gal Resultant Unit	NFPA Health	NFPA Health Rate 2 or Less	Common Public Use	Lab Scale Qty	Low Dispersibility	Cryogenic	Physical State	Screens (Y/N)
W2880.1	44-0021945 ANTI RUST SAFETY YELLOW INDUSTRIAL MAINTENANCE ENAMEL	362	AIS Hoist House, SE corner storage bldg.	1	1	Gal	1	Gal		Not Available	X	X				Y
W3011	D-5665NS AVIONICS CONTACT CLEANER (AEROSOL)	362	AIS Hoist House, SE corner storage bldg.	11	8.25	Lb	0.75	Lb		Not Available		X				Y
W0385.1	SILICONE RUBBER COMPOUND (WINDOW & DOOR)CLEAR (GE012A)	384	384 (Salt Hoist Bldg.)	2	0.2	Gal	7.9E-02	Gal	2	X	X	X				Y
W0543	MARVEL MYSTERY OIL	384	384 (Salt Hoist Bldg.)	1	1	Lb	1	Lb	2	X	X	X				Y
W1128	INSTANT COLD GALVANIZE ZINC RICH GALVANIZE COATING (AEROSOL)	384	384(Salt Hoist Bldg.)	1	0.75	Lb	0.75	Lb	2	X		X				Y
W1148.3	HIL-TREAT DUST MOP TREATMENT (AEROSOL)	384	384(Salt Hoist Bldg.)	1	1.125	Lb	1.125	Lb	2	X	X	X				Y
W1535	MOLYKOTE 557 SILICONE DRY FILM LUBRICANT (AEROSOL)	384	384(Salt Hoist Bldg.)	1	1	Each	1	Each	2	X						Y
W1604.1	DO-IT BEST WASP & HORNET KILLER AEROSOL	384	384(Salt Hoist Bldg.)	1	0.9	Lb	0.9	Lb	2	X	X	X				Y
W1775	SIMPLE GREEN INDUSTRIAL CLEANER AND DEGREASER	384	384(Salt Hoist Bldg.)	2	2	Gal	1	Gal	1	X	X	X				Y
W1910	ACROLUBE (TEFLON/PETROLEUM GREASE NLGI #2)	384	384(Salt Hoist Bldg.)	1	0.9	Lb	0.9	Lb	1	X		X				Y
W2355	POWER LUBE MULTI-PURPOSE LUBRICANT - AEROSOL	384	384(Salt Hoist Bldg.)	1	0.6	Lb	0.6	Lb	1	X	X	X				Y
W2756	AEROKROIL (AEROSOL)	384	384(Salt Hoist Bldg.)	1	0.625	Lb	0.625	Lb	1	X		X				Y
W2958	PAINT THINNER (MINERAL SPIRITS)	384	384(Salt Hoist Bldg.)	1	1	Gal	1	Gal	1	X	X	X				Y
W0659	NEVER-SEEZ REGULAR GRADE (ANTI-SEIZE COMPOUND/LUBRICANT)	384	384(Salt Hoist Bldg.)	1	1	Lb	1	Lb	0	X		X				Y
W1093	CITGARD 500 MOTOR OIL SAE 30 (CITGO MOTOR OILS SUS >400)	384	384(Salt Hoist Bldg.)	1	5	Gal	5	Gal	0	X	X	X				Y
W2643	ROTELLA T MULTIGRADE SAE 15W-40 WITH ADVANCED SOOT CONTROL(WITH XLA)	384	384(Salt Hoist Bldg.)	1	5	Gal	5	Gal	0	X	X	X				Y
W0028.1	10-0001034 FLOOR ENAMEL IRON GREY, 10 1034	384	384(Salt Hoist Bldg.)	1	1	Gal	1	Gal		Not Available	X	X				Y
W0516	LUBRIPLATE GEAR SHIELD EXTRA HEAVY (AEROSOL)	384	384(Salt Hoist Bldg.)	2	1.4	Lb	0.7	Lb		Not Available		X				Y
W1370	MEDIUM DRY RED INK # 0899	384	384(Salt Hoist Bldg.)	8	8	Lb	1	Lb		Not Available		X				Y
W2721.1	CORE 12F	384	384(Salt Hoist Bldg.)	1	1	Gal	1	Gal		Not Available	X	X				Y

**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

---

**Table B-3 - Purchased Chemical Inventory Screening**

MSDS	Chemicals Product Name	Bldg	Storage Area	Q3_2007 On-Hand Container Count	Total On-Hand Lb/Gal Equivalent Value	Lb/Gal Resultant Unit	Container Lb/Gal Equiv Value	Lb/Gal Resultant Unit	NFPA Health	NFPA Health Rate 2 or Less	Common Public Use	Lab Scale Qty	Low Dispersibility	Cryogenic	Physical State	Screens (Y/N)	
W2880.5	44-0021951 ANTI RUST ENAMEL RED OXIDE PRIMER INDUSTRIAL MAINTENANCE ENAMEL	384	384(Salt Hoist Bldg.)	1	1	Gal	1	Gal		Not Available	X	X				Y	
W2957	DEVOE PORCH & FLOOR GLOSS DR7753 (ALKYD-URETHANE GLOSS)	384	384(Salt Hoist Bldg.)	2	2	Gal	1	Gal		Not Available		X				Y	
W3025	LUBRIPATE GEAR SHIELD EXTRA HEAVY, GEAR SHIELD HEAVY, GEAR SHIELD	384	384(Salt Hoist Bldg.)	1	5	Gal	5	Gal		Not Available		X				Y	
W2985	GLITZ (CELLO GLITZ) CLEANING AND RESTORING COMPOUND FOR RESILIENT TILE & OTHER HA	451	451 Support Bldg.	1	0.125	Gal	0.125	Gal		Not Available	X	X				Y	
W0650.6	NITROGEN (COMPRESSED & LIQUID CRYOGENIC)	451-1	Bldg. 451, Room 124	1	274.1	Lb	274.1	Lb	3						X	Cryo	Y
W0545	METHANE IN ARGON (AKA P 10 GAS)	451-1	Bldg. 451, Room 124	1	10.9	Lb	10.9	Lb	1	X		X				Y	
W0545	METHANE IN ARGON (AKA P 10 GAS)	451-1	Bldg. 451, Room 124	1	1	Each	1	Each	1	X						Y	
W2824.2	#2 ABSORBENT (ABSORBENT) ACID & CAUSTIC SPILL CLEAN UP KITS	451-1	Support Bldg. Room 121	2	6.6	Lb	3.3	Lb	1	X		X				Y	
W0412	DOW CORNING HIGH VACUUM GREASE	451-1	Bldg. 451, Room 124	1	0.3	Lb	0.3	Lb	0	X	X	X				Y	
W0892	SOLUSORB SOLVENT ABSORBENT	451-1	Support Bldg. Room 121	1	2.4	Lb	2.4	Lb	0	X		X				Y	
W2826	#2 ABSORBENT FOR SOLVENTS (SOLVENT SPILL EMERGENCY CLEANUP KIT)	451-1	Support Bldg. Room 121	1	3.30	Lb	3.3	Lb	0	X		X				Y	
W1050	APIEZON L GREASE (WAS L,M,N)	451-1	Bldg. 451, Room 124	1	5.5E-02	Lb	5.5E-02	Lb		Not Available		X				Y	
W0498	KRYLON INTERIOR/EXTERIOR PAINT (#1404-2507)KRYLON INDUST MAINT & TOUCH (AEROSOL)	451-1	Bldg. 451 Room 123 Flammable Cabinet	2	1.5	Lb	0.75	Lb	2	X	X	X				Y	
W1038	2-PROPANOL (ISOPROPYL ALCOHOL)	451-1	Bldg. 451 Room 123 Flammable Cabinet	1	1.1	Gal	1.1	Gal	2	X		X				Y	
W1350.1	INSTA-GEL II PLUS	451-1	Bldg. 451 Room 123 Flammable Cabinet	1	1.3	Gal	1.3	Gal	2	X		X				Y	
W2672	NITROMETHANE	451-1	Bldg. 451 Room 123 Flammable Cabinet	1	0.1	Gal	0.1	Gal	1	X		X				Y	
W1077.1	WELCH 8995P SERIES DIRECTOR PREMIUM VACUUM PUMP OIL	451-1	Bldg. 451 Room 123 Flammable Cabinet	4	1.1	Gal	0.3	Gal		Not Available		X				Y	

**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

---

**Table B-3 - Purchased Chemical Inventory Screening**

MSDS	Chemicals Product Name	Bldg	Storage Area	Q3_2007 On-Hand Container Count	Total On-Hand Lb/Gal Equivalent Value	Lb/Gal Resultant Unit	Container Lb/Gal Equiv Value	Lb/Gal Resultant Unit	NFPA Health	NFPA Health Rate 2 or Less	Common Public Use	Lab Scale Qty	Low Dispersibility	Cryogenic	Physical State	Screens (Y/N)
W2235	ULTIMA GOLD AB	451-1	Bldg. 451 Room 123 Flammable Cabinet	1	0.1	Gal	0.1	Gal		Not Available		X				Y
W2235	ULTIMA GOLD AB	451-1	Bldg. 451 Room 123 Flammable Cabinet	2	2.6	Gal	1.3	Gal		Not Available		X				Y
W2934	ULTIMA GOLD F	451-1	Bldg. 451 Room 123 Flammable Cabinet	2	2.6	Gal	1.3	Gal		Not Available		X				Y
W0979	WELD-ON P-70 PRIMER FOR PVC/CPVC PLASTIC PIPE	459 Outside between connexes	Flammable Storage Cabinets near 459	1	1	Lb	1	Lb	2	X	X	X				Y
W1115	SCOTCH-GRIP 1300 RUBBER AND GASKET ADHESIVE	459 Outside between connexes	Flammable Storage Cabinets near 459	1	0.25	Gal	0.25	Gal	2	X	X	X				Y
W1124	OATEY PURPLE PRIMER/CLEANER	459 Outside between connexes	Flammable Storage Cabinets near 459	1	2	Lb	2	Lb	2	X	X	X			Liquid	Y
W2918	HYDRAULIC FLUID (SPX POWER TEAM/SPX OTC)	459 Outside between connexes	Flammable Storage Cabinets near 459	1	1	Gal	1	Gal	2	X		X				Y
W0220	KENDAL INDUSTRIAL GEAR OIL ALL GRADES WAS INDUSTRIAL GEAR OILS 68,100,150,....	459 Outside between connexes	Flammable Storage Cabinets near 459	2	10	Gal	5	Gal	1	X	X	X				Y
W0436.1	INVOLL-20 (LEYBOLD HE-200, ALCATEL-200, EDWARDS 20, VARIAN cs ATLANTIC 20,...)	459 Outside between connexes	Flammable Storage Cabinets near 459	1	1	Gal	1	Gal	1	X		X				Y
W0865	SLIC-TITE PASTE WITH TEFLON	459 Outside between connexes	Flammable Storage Cabinets near 459	1	2	Lb	2	Lb	1	X		X				Y
W1881	SWEENEY 509 (HYDRAULIC FLUID)	459 Outside between connexes	Flammable Storage Cabinets near 459	2	2	Gal	1	Gal	1	X	X	X				Y
W2094	SPOTCHECK CLEANER/REMOVER SKC-S (AEROSOL)	459 Outside between connexes	Flammable Storage Cabinets near 459	1	0.7	Lb	0.7	Lb	1	X		X				Y
W2895	QUAKER STATE HD SAE MOTOR OIL - ALL GRADES	459 Outside between connexes	Flammable Storage Cabinets near 459	8	2	Gal	0.25	Gal	1	X	X	X				Y

**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

---

**Table B-3 - Purchased Chemical Inventory Screening**

MSDS	Chemicals Product Name	Bldg	Storage Area	Q3_2007 On-Hand Container Count	Total On-Hand Lb/Gal Equivalent Value	Lb/Gal Resultant Unit	Container Lb/Gal Equiv Value	Lb/Gal Resultant Unit	NFPA Health	NFPA Health Rate 2 or Less	Common Public Use	Lab Scale Qty	Low Dispersibility	Cryogenic	Physical State	Screens (Y/N)
W2929	CC GOVERNMENT FORMULA 3 ANHYDROUS was (DENATURED ALCOHOL 3 ANHYDROUS)	459 Outside between connexes	Flammable Storage Cabinets near 459	2	10	Gal	5	Gal	1	X		X				Y
W0050	APG-2 (ALSO CALLED TAYLOR DUNN)	459 Outside between connexes	Flammable Storage Cabinets near 459	1	0.125	Gal	0.125	Gal	0	X		X				Y
W1075	UNIQUE MOTOR OIL (SAE 30 NON-DETERGENT)	459 Outside between connexes	Flammable Storage Cabinets near 459	1	5	Gal	5	Gal	0	X	X	X				Y
W1075	UNIQUE MOTOR OIL (SAE 30 NON-DETERGENT)	459 Outside between connexes	Flammable Storage Cabinets near 459	7	1.75	Gal	0.25	Gal	0	X	X	X				Y
W1093	CITGARD 500 MOTOR OIL SAE 30 (CITGO MOTOR OILS SUS >400)	459 Outside between connexes	Flammable Storage Cabinets near 459	1	5	Gal	5	Gal	0	X	X	X				Y
W1104	CITGO TRANSGARD TRACTOR HYDRAULIC FLUID (HYD. FLUID SUS-5)	459 Outside between connexes	Flammable Storage Cabinets near 459	1	5	Gal	5	Gal	0	X	X	X				Y
W1160	MOBILTEMP SHC 32	459 Outside between connexes	Flammable Storage Cabinets near 459	2	2	Lb	1	Lb	0	X	X	X				Y
W1500	SYN-STAR GL 80W-140 (was SYN-STAR GL 75W-140 (02080))	459 Outside between connexes	Flammable Storage Cabinets near 459	1	5	Gal	5	Gal	0	X	X	X				Y
W1501	SIEMENS GREASE #15-171-370-002 CHANCE ELECTRICAL CONTACT LUBRICANT	459 Outside between connexes	Flammable Storage Cabinets near 459	1	0.5	Lb	0.5	Lb	0	X	X	X				Y
W1760.1	SONTEX 100-LT (WHITE MINERAL OIL)	459 Outside between connexes	Flammable Storage Cabinets near 459	1	1	Gal	1	Gal	0	X		X				Y
W2362	BEACON P 290	459 Outside between connexes	Flammable Storage Cabinets near 459	2	0.5	Gal	0.25	Gal	0	X		X				Y
W2400.1	M-RL4100 SYNTHETIC FLUID MAKO COMPRESSOR OIL (ANDEROL 555) (MADRELA P100 SHELL)	459 Outside between connexes	Flammable Storage Cabinets near 459	1	1	Gal	1	Gal	0	X	X	X				Y

**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

---

**Table B-3 - Purchased Chemical Inventory Screening**

MSDS	Chemicals Product Name	Bldg	Storage Area	Q3_2007 On-Hand Container Count	Total On-Hand Lb/Gal Equivalent Value	Lb/Gal Resultant Unit	Container Lb/Gal Equiv Value	Lb/Gal Resultant Unit	NFPA Health	NFPA Health Rate 2 or Less	Common Public Use	Lab Scale Qty	Low Dispersibility	Cryogenic	Physical State	Screens (Y/N)
W0885	SNOOP	459 Outside between connexes	Flammable Storage Cabinets near 459	1	1	Gal	1	Gal		Not Available		X				Y
W1105	PERMATEX AVIATION FORM-A-GASKET SEALANT (82052/3D/3F/3H)	459 Outside between connexes	Flammable Storage Cabinets near 459	1	1	Lb	1	Lb		Not Available		X				Y
W1486	WESTINGHOUSE GREASE 53701AN	459 Outside between connexes	Flammable Storage Cabinets near 459	1	1	Lb	1	Lb		Not Available		X				Y
W1630	MITEE PIPE JOINT COMPOUND	459 Outside between connexes	Flammable Storage Cabinets near 459	1	0.95	Lb	0.95	Lb		Not Available		X				Y
W1879	503 MOLY PASTE LUBRICANT	459 Outside between connexes	Flammable Storage Cabinets near 459	1	4	Lb	4	Lb		Not Available		X				Y
W2721.1	CORE 12F	459 Outside between connexes	Flammable Storage Cabinets near 459	1	1	Gal	1	Gal		Not Available	X	X				Y
W2853.1	SELIG LECTRON PLUS #8672 (AEROSOL)	459 Outside between connexes	Flammable Storage Cabinets near 459	2	1.5	Lb	0.75	Lb		Not Available		X				Y
W3070	DSOLVE (BROWNELLS GUN CLEANING SOLUTION ,D SOLVE, DESOLVE DE SOLVE DEE SOLVE)	473 (Armory Bldg)	473 Armory, Flammable Cabinet	3	15	Gal	5	Gal	2	X	X	X				Y
W3071	BREAK-FREE CLP LIQUID (BREAK FREE CLEANER LUBRICANT PRESERVATIVE)	473 (Armory Bldg)	473 Armory, Flammable Cabinet	0.5	0.5	Gal	1	Gal	1	X	X	X				Y
W3071	BREAK-FREE CLP LIQUID (BREAK FREE CLEANER LUBRICANT PRESERVATIVE)	473 (Armory Bldg)	473 Armory, Flammable Cabinet	1	0.125	Gal	0.125	Gal	1	X	X	X				Y
W3106.1	SUPER POWER GREEN GAS (LIQUEFIED PETROLEUM GAS/PROPANE)	473 (Armory Bldg)	473 Armory, Flammable Cabinet	9	9	Each	1	Each	1	X						Y
W3106.2	HFC HIGH GRADE SILICONE LUBE/GAS GUN LUBRICATING OIL OF MAINTENANCE (AEROSOL)	473 (Armory Bldg)	473 Armory, Flammable Cabinet	3	3	Each	1	Each	1	X	X					Y
W3072	MC#7 BORE CLEANER (SHOOTERS CHOICE) (MC #7 MC # 7)	473 (Armory Bldg)	473 Armory, Flammable Cabinet	2	2	Gal	1	Gal		Not Available	X	X				Y

**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

---

**Table B-3 - Purchased Chemical Inventory Screening**

MSDS	Chemicals Product Name	Bldg	Storage Area	Q3_2007 On-Hand Container Count	Total On-Hand Lb/Gal Equivalent Value	Lb/Gal Resultant Unit	Container Lb/Gal Equiv Value	Lb/Gal Resultant Unit	NFPA Health	NFPA Health Rate 2 or Less	Common Public Use	Lab Scale Qty	Low Dispersibility	Cryogenic	Physical State	Screens (Y/N)
W3121	(TRITIUM GAS ENCAPSULATED IN GLASS VIALS) (GUN SIGHTS)	473 (Armory Bldg)	473 Armory, Flammable Cabinet	30		Each	0	Each		Not Available	X					Y
W0039	AMMONIUM HYDROXIDE (10-35% NH3) (AMMONIUM AQUEOUS; AMMONIA SOLUTION; AQUA AMMONIA)	918B Trailer	918B Chem Storage Cabinet	1	0.1	Gal	0.1	Gal	3			X				Y
W0403	HYDROCHLORIC ACID, 33-40%	918B Trailer	918B Acid Cabinet	2	0.3	Gal	0.1	Gal	3			X				Y
W0696.1	POTASSIUM CHROMATE	918B Trailer	918B Chem Storage Cabinet	1	0.3	Lb	0.3	Lb	3			X				Y
W0699	POTASSIUM FERRICYANIDE	918B Trailer	918B Chem Storage Cabinet	1	1.1	Lb	1.1	Lb	3			X				Y
W0700	POTASSIUM FERROCYANIDE (TRIHYDRATE)	918B Trailer	918B Chem Storage Cabinet	1	1.1	Lb	1.1	Lb	3			X				Y
W0814.8	SODIUM HYDROXIDE (PELLETS)	918B Trailer	918B Chem Storage Cabinet	1	1.1	Lb	1.1	Lb	3			X	X			Y
W0814.8	SODIUM HYDROXIDE (PELLETS)	918B Trailer	Trlr. 918B Laboratory area	1	1.1	Lb	1.1	Lb	3			X	X			Y
W0819	SULFURIC ACID, 52-100%	918B Trailer	918B Acid Cabinet	2	0.3	Gal	0.1	Gal	3			X				Y
W0819.1	SULFURIC ACID, <10% (</H>) (WAS 0.02N VOLUMETRIC SOLUTION)	918B Trailer	918B Acid Cabinet	1	0.3	Gal	0.3	Gal	3			X				Y
W0819.4	SULFURIC ACID 90-98%	918B Trailer	Trlr. 918B Laboratory area	1	0.1	Gal	0.1	Gal	3			X				Y
W1078.2	IRON, 1,000 UG/ML (IRON ATOMIC ABSORPTION STANDARD)	918B Trailer	918B Acid Cabinet	1	4.0E-02	Gal	4.0E-02	Gal	3			X			Liquid	Y
W2522	NITRIC ACID, 50-70%	918B Trailer	Trlr. 918B Laboratory area	1	0.1	Gal	0.1	Gal	3			X				Y
W2543	HYDROXYLAMINE HYDROCHLORIDE, GR	918B Trailer	918B Chem Storage Cabinet	1	0.6	Lb	0.6	Lb	3			X				Y
W0074	AMMONIUM CHLORIDE	918B Trailer	918B Chem Storage Cabinet	1	1.1	Lb	1.1	Lb	2	X		X				Y
W0338	FEROVER IRON REAGENT	918B Trailer	918B Chem Storage Cabinet	6	0.5	Gal	8.6E-02	Gal	2	X		X				Y
W0644	NEUTRACIT-2 CAUSTIC NEUTRALIZER	918B Trailer	918B Chem Storage Cabinet	1	2.6	Lb	2.6	Lb	2	X		X				Y
W0921	TRIETHANOLAMINE	918B Trailer	918B Chem Storage Cabinet	1	0.1	Gal	0.1	Gal	2	X		X				Y
W1372.1	SILVER NITRATE, STANDARD SOLUTION (1ML=1MG CHLORIDE)	918B Trailer	918B Chem Storage Cabinet	1	0.3	Gal	0.3	Gal	2	X		X				Y

**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

---

**Table B-3 - Purchased Chemical Inventory Screening**

MSDS	Chemicals Product Name	Bldg	Storage Area	Q3_2007 On-Hand Container Count	Total On-Hand Lb/Gal Equivalent Value	Lb/Gal Resultant Unit	Container Lb/Gal Equiv Value	Lb/Gal Resultant Unit	NFPA Health	NFPA Health Rate 2 or Less	Common Public Use	Lab Scale Qty	Low Dispersibility	Cryogenic	Physical State	Screens (Y/N)
W2086	FERROUS AMMONIUM SULFATE (6-HYDRATE)	918B Trailer	918B Chem Storage Cabinet	1	1.1	Lb	1.1	Lb	2	X		X				Y
W2512	POTASSIUM CHLORIDE (REAGENT ACS (CRYSTALS)	918B Trailer	918B Chem Storage Cabinet	3	3.3	Lb	1.1	Lb	2	X		X				Y
W0239	CALCIUM CARBONATE	918B Trailer	918B Chem Storage Cabinet	1	1.1	Lb	1.1	Lb	1	X		X				Y
W0240	CALMAGITE	918B Trailer	918B Chem Storage Cabinet	1	5.5E-02	Lb	5.5E-02	Lb	1	X		X				Y
W0350	FERRIC AMMONIUM SULFATE (12 HYDRATE)	918B Trailer	918B Chem Storage Cabinet	1	1.1	Lb	1.1	Lb	1	X		X				Y
W0440	JOE'S ALL PURPOSE HAND CLEANER	918B Trailer	918B Chem Storage Cabinet	1	1.9	Lb	1.9	Lb	1	X	X	X				Y
W0441	JOY MANUAL POT AND PAN DETERGENT (PROFESSIONAL LINE)	918B Trailer	918B Chem Storage Cabinet	1	0.3	Gal	0.3	Gal	1	X	X	X				Y
W0828	SODIUM CHLORIDE	918B Trailer	918B Chem Storage Cabinet	2	2.2	Lb	1.1	Lb	1	X		X				Y
W1314	YSI 3161 CONDUCTIVITY CALIBRATOR 1000 MICROMHO/CM	918B Trailer	918B Chem Storage Cabinet	2	0.5	Gal	0.3	Gal	1	X		X				Y
W1314.1	YSI 3163 CONDUCTIVITY CALIBRATOR 10,000 MICROMHO/CM	918B Trailer	918B Chem Storage Cabinet	1	0.3	Gal	0.3	Gal	1	X		X				Y
W1314.2	YSI 3165 CONDUCTIVITY CALIBRATOR 100,000 MICROMHO/CM	918B Trailer	918B Chem Storage Cabinet	2	0.5	Gal	0.3	Gal	1	X		X				Y
W2267	YSI 3140 PLATINIZING SOLUTION	918B Trailer	918B Chem Storage Cabinet	2	5.3E-02	Gal	2.6E-02	Gal	1	X		X				Y
W2805	HYDRION BUFFER SALTS PH 9.00 THROUGH PH 11.0 (BLUE ph 10 PILL)	918B Trailer	918B Laboratory Area	1	1	Each	1	Each	1	X						Y
W2809	LENS CLEANING STATION (KLEEN VIEW) (C-CLEAR LENS CLEANING STATION FLUID)	918B Trailer	918B Chem Storage Cabinet	2	0.1	Gal	6.2E-02	Gal	1	X	X	X				Y
W0134.1	BUFFER SOLUTION, PH 7.00 +/- 0.02	918B Trailer	918B Chem Storage Cabinet	2	0.3	Gal	0.1	Gal	0	X		X				Y
W0134.2	BUFFER SOLUTION, PH 10.00 +/- 0.01 (0.02)	918B Trailer	918B Chem Storage Cabinet	1	0.1	Gal	0.1	Gal	0	X		X				Y
W0134.3	BUFFER SOLUTION PH 4.01 +/- 0.01 (RED)	918B Trailer	918B Chem Storage Cabinet	2	0.3	Gal	0.1	Gal	0	X		X				Y
W0892	SOLUSORB SOLVENT ABSORBENT	918B Trailer	918B Chem Storage Cabinet	1	4.8	Lb	4.8	Lb	0	X		X				Y

**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

---

**Table B-3 - Purchased Chemical Inventory Screening**

MSDS	Chemicals Product Name	Bldg	Storage Area	Q3_2007 On-Hand Container Count	Total On-Hand Lb/Gal Equivalent Value	Lb/Gal Resultant Unit	Container Lb/Gal Equiv Value	Lb/Gal Resultant Unit	NFPA Health	NFPA Health Rate 2 or Less	Common Public Use	Lab Scale Qty	Low Dispersibility	Cryogenic	Physical State	Screens (Y/N)
W2803	HYDRION BUFFER SALTS PH 2.00 THROUGH PH 4.00 (ORANGE ph 4.01 PILL)	918B Trailer	Trlr. 918B Laboratory area	1	1	Each	1	Each	0	X						Y
W2804	HYDRION BUFFER SALTS PH 5.00 THROUGH PH 8.00 (GREEN ph 7 PILL)	918B Trailer	Trlr. 918B Laboratory area	1	1	Each	1	Each	0	X						Y
W2967	ZINC ACETATE 2.0N FOR SULFIDE, 0.100M, 0.05M	918B Trailer	Trlr. 918B Laboratory area	1	0.1	Gal	0.1	Gal	0	X		X				Y
W0257	INDICATING DRIERITE (BLUE GRANULES) (DESICCANT)	918B Trailer	918B Chem Storage Cabinet	2	20	Lb	10	Lb		Not Available		X				Y
W3029.1	URICLEAN (WATERLESS URINAL CLEANER)	951 Trailer	Trailer 951	1	7.8E-02	Gal	7.8E-02	Gal		Not Available	X	X				Y
W0877.5	ASHLAND FLEET ANTIFREEZE (SITE STANDARD ANTIFREEZE/NO SUBSTITUTION)	Chiller Pad	Chiller Pad	5735	5735	Gal	1	Gal		Not Available	X	X				Y
W2721.1	CORE 12F	Connex	Hoisting Connex behind Eng. Bldg.	1	1	Gal	1	Gal		Not Available	X	X				Y
W2753	PROPANE	Decon Trailer	Decon Trailer (parked south of 411)	2	100	Lb	50	Lb	1	X						Y
W1614	RADIACWASH	Decon Trailer	Decon Trailer (parked south of 411)	29	29	Each	1	Each	0	X			X			Y
W0001	ABSORB-N-DRY (FULLER'S EARTH-MONTMORILLONITE)	EM Connex	EM Connex (North of 486 [Eng. Bldg.])	1	22	Lb	22	Lb	1	X		X				Y
W1316	ANSULITE 6% AFFF (AFC - 3)	EM Connex	EM Connex (North of 486 [Eng. Bldg.])	5	25	Gal	5	Gal		Not Available		X				Y
W2270	ANSUL AR-33-D RECHARGE	EM Connex	EM Connex (North of 486 [Eng. Bldg.])	1	5	Gal	5	Gal		Not Available		X				Y
W0543	MARVEL MYSTERY OIL	Equipment Shed	Equip. Shed, Flammable Cabinet	8	8	Lb	1	Lb	2	X	X	X				Y
W2643	ROTELLA T MULTIGRADE SAE 15W-40 WITH ADVANCED SOOT CONTROL/WITH XLA)	Equipment Shed	Equip. Shed, Flammable Cabinet	6	1.5	Gal	0.25	Gal	0	X	X	X				Y
W2476	DRAGERSORB 400, (500, BG-4 SODA LIME CANISTER)	Mine Rescue Connex	Mine Rescue Connex	24	1056	Lb	44	Lb	2	X						Y
W1069	HYDRATED LIME (HOUSEHOLD LIME)	Mine Rescue Connex	Mine Rescue Connex	28			0		1	X	X					Y
W0498	KRYLON INTERIOR/EXTERIOR PAINT (#1404-2507)KRYLON INDUST MAINT & TOUCH (AEROSOL)	N.E. corner of site	F1 = Flammable Storage Cabinet	9	6.75	Lb	0.75	Lb	2	X	X	X				Y
W1128	INSTANT COLD GALVANIZE ZINC RICH GALVANIZE COATING (AEROSOL)	N.E. corner of site	F1 = Flammable Storage Cabinet	1	0.8	Lb	0.8	Lb	2	X	X					Y

**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

---

**Table B-3 - Purchased Chemical Inventory Screening**

MSDS	Chemicals Product Name	Bldg	Storage Area	Q3_2007 On-Hand Container Count	Total On-Hand Lb/Gal Equivalent Value	Lb/Gal Resultant Unit	Container Lb/Gal Equiv Value	Lb/Gal Resultant Unit	NFPA Health	NFPA Health Rate 2 or Less	Common Public Use	Lab Scale Qty	Low Dispersibility	Cryogenic	Physical State	Screens (Y/N)
W1493	DOW CORNING PENE-LUBE (AEROSOL)	N.E. corner of site	F1 = Flammable Storage Cabinet	1	0.75	Lb	0.75	Lb	2	X		X				Y
W2923	FAST DRY ACRYLIC ENAMEL (CATARPILLAR YELLOW/GLOSS WHITE)	N.E. corner of site	F1 = Flammable Storage Cabinet	1	0.25	Gal	0.25	Gal	2	X	X	X				Y
W0429.2	QUICK STARTING FLUID (CARQUEST STARTING FLUID PART 91015) (SITE STANDARD)AEROSOL	N.E. corner of site	F1 = Flammable Storage Cabinet	1	0.7	Lb	0.7	Lb	1	X	X	X				Y
W0779.4	RAID WASP & HORNET KILLER 271 (INSECTICIDE) (AEROSOL)	N.E. corner of site	F1 = Flammable Storage Cabinet	5	6.1	Lb	1.2	Lb	1	X	X	X				Y
W0919	TAP MAGIC ALUMINUM CUTTING FLUID	N.E. corner of site	G1 = Non-Flammable Storage Cabinet	1	1	Lb	1	Lb	1	X		X				Y
W1043.1	TAP MAGIC EP-XTRA FORMULA	N.E. corner of site	G1 = Non-Flammable Storage Cabinet	1	1	Lb	1	Lb	1	X		X				Y
W1167.1	LYSOL I.C. (INFECTION CONTROL) DISINFECTANT SPRAY (AEROSOL)	N.E. corner of site	F1 = Flammable Storage Cabinet	2	2.4	Lb	1.2	Lb	1	X	X	X				Y
W1606	RIDGID PREMIUM NUCLEAR THREAD CUTTING OIL	N.E. corner of site	G1 = Non-Flammable Storage Cabinet	9	9	Gal	1	Gal	1	X		X				Y
W0659	NEVER-SEEZ REGULAR GRADE (ANTI-SEIZE COMPOUND/LUBRICANT)	N.E. corner of site	G1 = Non-Flammable Storage Cabinet	1	1	Lb	1	Lb	0	X		X				Y
W0659.1	NEVER-SEEZ PURE NICKEL SPECIAL (ANTI-SEIZE COMPOUND/LUBRICANT)	N.E. corner of site	G1 = Non-Flammable Storage Cabinet	1	0.5	Lb	0.5	Lb	0	X		X				Y
W0944	TRI-FLOW SUPERIOR LUBRICANT WITH TEFLON (AEROSOL) TRIFLOW	N.E. corner of site	G1 = Non-Flammable Storage Cabinet	1	0.75	Lb	0.75	Lb		Not Available		X				Y
W3132	HOFFMAN LIGHT GRAY ENAMEL, AEROSOL TOUCH-UP PAINT	N.E. corner of site	F1 = Flammable Storage Cabinet	1	0.75	Lb	0.75	Lb		Not Available	X	X				Y
W3134	TAPMATIC TRI CUT LPS	N.E. corner of site	G1 = Non-Flammable Storage Cabinet	1	1	Lb	1	Lb		Not Available		X				Y
W0338	FERROVER IRON REAGENT	Porta Camp	Porta Camp Connex (inside)	6	0.5	Gal	8.6E-02	Gal	2	X		X				Y
W1048.2	CARQUEST BRAKE FLUID DOT-3	Porta Camp	Porta Camp Flammable Cabinet	1	9.4E-02	Gal	9.4E-02	Gal	2	X	X	X				Y
W1604.1	DO-IT BEST WASP & HORNET KILLER AEROSOL	Porta Camp	Porta Camp Flammable Cabinet	3	2.8	Lb	0.9	Lb	2	X	X	X				Y
W0429.2	QUICK STARTING FLUID (CARQUEST STARTING FLUID PART 91015) (SITE STANDARD)AEROSOL	Porta Camp	Porta Camp Flammable Cabinet	4	1.9	Lb	0.5	Lb	1	X	X	X				Y

**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

---

**Table B-3 - Purchased Chemical Inventory Screening**

MSDS	Chemicals Product Name	Bldg	Storage Area	Q3_2007 On-Hand Container Count	Total On-Hand Lb/Gal Equivalent Value	Lb/Gal Resultant Unit	Container Lb/Gal Equiv Value	Lb/Gal Resultant Unit	NFPA Health	NFPA Health Rate 2 or Less	Common Public Use	Lab Scale Qty	Low Dispersibility	Cryogenic	Physical State	Screens (Y/N)
W0523.1	LUBRIMATIC 11590 (LUBRIMATIC 2 CYCLE ENGINE OIL) LUBRIMATIC TC-W3 OIL	Porta Camp	Porta Camp Flammable Cabinet	1	0.125	Gal	0.125	Gal	1	X	X	X				Y
W0948	GASOLINE, UNLEADED	Porta Camp	Porta Camp Flammable Cabinet	1	1	Gal	1	Gal	1	X	X	X				Y
W2573	ATF MERCON/DEXRON III (01854) (SITE STANDARD/NO SUBSTITUTION)	Porta Camp	Porta Camp Flammable Cabinet	1	5	Gal	5	Gal	0	X		X				Y
W0944	TRI-FLOW SUPERIOR LUBRICANT WITH TEFLON (AEROSOL) TRIFLOW	Porta Camp	Porta Camp Flammable Cabinet	4	3	Lb	0.75	Lb		Not Available		X				Y
W1848	PIPE THREAD SEALER WITH TEFLON	Porta Camp	Porta Camp Flammable Cabinet	9	1.7	Lb	0.2	Lb		Not Available		X				Y
W1904	LEAK-CHECK	Porta Camp	Porta Camp Connex (inside)	1	0.5	Lb	0.5	Lb		Not Available		X				Y
W0274	DIESEL FUEL, NO. 1 FUEL OIL	portable	Portable Tank	203	203	Gal	250	Gal	2	X	X					Y
W1158	EXTRA STRENGTH CSP CLEANER	SWB	Janitor Closet 1B (first floor N Men's room)	1	1	Gal	1	Gal	3		X	X			Liquid	Y
W2648	FLOOR CONDITIONER AND NEUTRALIZER #729	SWB	Janitor Closet 1B (first floor N Men's room)	2	5.6	Lb	2.8	Lb	2	X	X	X			Liquid	Y
W2720	DEVASTATOR	SWB	Janitor Closet 1B (first floor N Men's room)	8	8	Gal	1	Gal	2	X	X	X			Liquid	Y
XS002	UNITED 130 VERTI-STRIP FOAMING BASEBOARD STRIPPER	SWB	Janitor Closet A1	5	1.7	Lb	0.3	Lb	2	X	X	X			Liquid	Y
W0891	SUPER SHINE ALL	SWB	Janitor Closet 1B (first floor N Men's room)	2	2.0	Gal	1.0	Gal	1	X	X	X			Liquid	Y
W2657	ENDEAVOUR	SWB	Janitor Closet A1	1	1	Gal	1	Gal	1	X	X	X			Liquid	Y
W2657	ENDEAVOUR	SWB	Janitor Closet 1B (first floor N Men's room)	6	6	Gal	1	Gal	1	X	X	X			Liquid	Y
W2822	ARSENAL WINDO CLEAN + CONCENTRATE	SWB	Janitor Closet A1	1	1.0	Gal	1.0	Gal	1	X	X	X			Liquid	Y
XS003	United 180 Solv-all universal solvent	SWB	Janitor Closet A1	2	1.9	Lb	0.9	Lb	1	X	X	X			Liquid	Y
XS003	United 180 Solv-all universal solvent	SWB	Janitor Closet 1B (first floor N Men's room)	5	4.7	Lb	0.9	Lb	1	X	X	X			Liquid	Y
W0526	LEMON PLEDGE	SWB	Janitor Closet A1	4	4.4	Lb	1.1	Lb		Not Available	X	X			Liquid	Y
W0526	LEMON PLEDGE	SWB	Janitor Closet 1B (first floor N Men's room)	1	1.1	Lb	1.1	Lb		Not Available	X	X			Liquid	Y
W0969.1	WD-40 AEROSOL	SWB	Ed's Office, Flammable Cabinet	4	2.00	Lb	0.5	Lb		Not Available	X				Liquid	Y
W1132	GLASS CLEANER, 050 (AEROSOL)	SWB	Janitor Closet 1B (first floor N Men's room)	3	3.6	Lb	1.2	Lb		Not Available	X	X			Liquid	Y

**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

---

**Table B-3 - Purchased Chemical Inventory Screening**

MSDS	Chemicals Product Name	Bldg	Storage Area	Q3_2007 On-Hand Container Count	Total On-Hand Lb/Gal Equivalent Value	Lb/Gal Resultant Unit	Container Lb/Gal Equiv Value	Lb/Gal Resultant Unit	NFPA Health	NFPA Health Rate 2 or Less	Common Public Use	Lab Scale Qty	Low Dispersibility	Cryogenic	Physical State	Screens (Y/N)	
W2077	INDUSTRIAL ENAMELS	SWB	Ed's Office, Flammable Cabinet	9	6.75	Lb	0.75	Lb		Not Available	X	X			Liquid	Y	
W2599	PREMIERE ICE MELTER	SWB	Janitor Closet 1B (first floor N Men's room)	2	100.00	Lb	50	Lb		Not Available	X	X			Pellets	Solid	Y
W3033	GERMICIDAL FOAMING CLEANER (AEROSOL)	SWB	Janitor Closet A1	9	11.2	Lb	1.2	Lb		Not Available	X	X			Liquid	Y	
X0020	VINDICATOR+VINDICATOR PLUS VINDICATOR +	SWB	Janitor Closet 1B (first floor N Men's room)	1	1	Gal	1	Gal		Not Available	X	X			Liquid	Y	
XC001	HILLYARD OIL STAINLESS STEEL CLEANER	SWB	Janitor Closet A1	9	8.4	Lb	0.9	Lb		Not Available	X	X			Liquid	Y	
XC001	HILLYARD OIL STAINLESS STEEL CLEANER	SWB	Janitor Closet 1B (first floor N Men's room)	1	0.9	Lb	0.9	Lb		Not Available	X	X			Liquid	Y	
XC006	CLEAN ASSIST MILD BOWL & PORCELAIN CLEANER	SWB	Janitor Closet A1	1	0.25	Gal	0.25	Gal		Not Available	X	X			Liquid	Y	
XC007	CLEAN ASSIST TAKE DOWN CHERRY DEODORIZER	SWB	Janitor Closet A1	1	1	Gal	1	Gal		Not Available	X	X			Liquid	Y	
XR001	STAINLESS STEEL CLEANER	SWB	Janitor Closet 1B (first floor N Men's room)	1	1.1	Lb	1.1	Lb		Not Available	X	X			Liquid	Y	
XS001	PLEASCENT NEUTRA SHINE	SWB	Janitor Closet A1	1	1	Gal	1	Gal		Not Available	X	X			Liquid	Y	
XS001	PLEASCENT NEUTRA SHINE	SWB	Janitor Closet 1B (first floor N Men's room)	3	3	Gal	1	Gal		Not Available	X	X			Liquid	Y	
XS004	PST CLEANER	SWB	Janitor Closet A1	2	0.5	Gal	0.25	Gal		Not Available	X	X			Liquid	Y	
XS004	PST CLEANER	SWB	Janitor Closet 1B (first floor N Men's room)	1	0.25	Gal	0.25	Gal		Not Available	X	X			Liquid	Y	
XS005	DISINFECTANT DEODORANT	SWB	Janitor Closet A1	1	1.0	Lb	1.0	Lb		Not Available	X	X			Liquid	Y	
XS006	AMB SOAP	SWB	Janitor Closet A1	4	0.8	Gal	0.2	Gal		Not Available	X	X			Liquid	Y	
XS007	BIO-ENZYMATIC SPOTTER	SWB	Janitor Closet 1B (first floor N Men's room)	5	1.25	Gal	0.25	Gal		Not Available	X	X			Liquid	Y	
XS008	BASEBOARD STRIPPER GEL	SWB	Janitor Closet 1B (first floor N Men's room)	7	1.75	Gal	0.25	Gal		Not Available	X	X			Liquid	Y	
XS009	RESTORER	SWB	Janitor Closet 1B (first floor N Men's room)	2	2	Gal	1	Gal		Not Available	X	X			Liquid	Y	
XS010	KLEER VIEW WINDOW CLEANER	SWB	Janitor Closet 1B (first floor N Men's room)	3	3	Gal	1	Gal		Not Available	X	X			Liquid	Y	
XS011	ABSORB-N-DRY PROCESSED FULLERS EARTH	SWB	Janitor Closet 1B (first floor N Men's room)	1	5.00	Lb	5	Lb		Not Available	X	X			Granules	Solid	Y
XS012	OATEY PVC CLEANER 30782	SWB	Ed's Office, Flammable Cabinet	1	0.50	Lb	0.5	Lb		Not Available	X	X			Liquid	Y	
XS013	OATEY PVC CEMENT	SWB	Ed's Office, Flammable Cabinet	1	0.50	Lb	0.5	Lb		Not Available	X	X			Liquid	Y	

**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

---

**Table B-3 - Purchased Chemical Inventory Screening**

MSDS	Chemicals Product Name	Bldg	Storage Area	Q3_2007 On-Hand Container Count	Total On-Hand Lb/Gal Equivalent Value	Lb/Gal Resultant Unit	Container Lb/Gal Equiv Value	Lb/Gal Resultant Unit	NFPA Health	NFPA Health Rate 2 or Less	Common Public Use	Lab Scale Qty	Low Dispersibility	Cryogenic	Physical State	Screens (Y/N)
XS014	SELIG GREASE	SWB	Ed's Office, Flammable Cabinet	3	2.6	Lb	0.9	Lb		Not Available	X	X			Liquid	Y
XS015	SERVICE FIRST COIL CLEANER ENVIRO-COIL CONCENTRATE	SWB	Ed's Office, Flammable Cabinet	1	1.00	Gal	1	Gal		Not Available	X	X			Liquid	Y
XS016	LPS NO FLASH NU CONTACT CLEANER	SWB	Ed's Office, Flammable Cabinet	2	1.9	Lb	0.9	Lb		Not Available	X	X			Liquid	Y
XS017	PROFESSIONAL WALLCOVERING ADHESIVE	SWB	Ed's Office, Flammable Cabinet	1	1	Gal	1	Gal		Not Available	X	X			Liquid	Y
XS018	CAPITOL COVE BASE ADHESIVE	SWB	Ed's Office, Flammable Cabinet	1	1	Gal	1	Gal		Not Available	X	X			Liquid	Y
XS019	STA PUT PLUMBERS PUTTY	SWB	Ed's Office, Flammable Cabinet	1	3	Lb	3	Lb		Not Available	X	X		Putty	Solid	Y
XS020	DAP WELDWOOD SHEET FLOORING ADHESIVE	SWB	Ed's Office, Flammable Cabinet	1	2	Lb	2	Lb		Not Available	X	X			Liquid	Y
XS021	WHITE LIGHTNING ASPHALT SEALANT	SWB	Ed's Office, Flammable Cabinet	4	2.50	Lb	0.625	Lb		Not Available	X	X			Liquid	Y
XS022	PRO MAR ZONE MARKING PAINT	SWB	Ed's Office, Flammable Cabinet	3	3	Gal	1	Gal		Not Available	X	X			Liquid	Y
XS023	PITTSBURGH PAINT STRIPING PAINT	SWB	Ed's Office, Flammable Cabinet	2	2.1	Lb	1.1	Lb		Not Available	X	X			Liquid	Y
XS024	KILZ WHITE SEALER PRIMER SPRAY	SWB	Ed's Office, Flammable Cabinet	1	0.8	Lb	0.8	Lb		Not Available	X	X			Liquid	Y
XS025	DAP FLEX PLUS ACRYLIC LATEX CAULK PLUS SILICONE CLEAR	SWB	Ed's Office, Flammable Cabinet	1	0.6	Lb	0.6	Lb		Not Available	X	X			Liquid	Y
XS026	NU LOOK CONCRETE AND MASONRY CLEANER	SWB	Ed's Office, Flammable Cabinet	1	1	Gal	1	Gal		Not Available	X	X			Liquid	Y
XS027	GREASE CLEANER	SWB	Ed's Office, Flammable Cabinet	1	1	Gal	1	Gal		Not Available	X	X			Liquid	Y
XS028	TROJAN MASONRY SEALER	SWB	Janitor Closet 1B (first floor N Men's room)	1	1	Gal	1	Gal		Not Available	X	X			Liquid	Y
XS029	WHITE LIGHTNING SILICONIZED ACRYLIC ADHESIVE CAULK BRIGHT WHITE	SWB	Ed's Office, Flammable Cabinet	1	0.3	Lb	0.3	Lb		Not Available	X	X			Liquid	Y
XS030	NU-BRITE COIL CLEANER	SWB	Ed's Office, Flammable Cabinet	2	2	Gal	1	Gal		Not Available	X	X			Liquid	Y
XS031	KLEAN-STRIP PAINT THINNER WITH CONDITIONER	SWB	Ed's Office, Flammable Cabinet	1	1	Gal	1	Gal		Not Available	X	X			Liquid	Y
XS032	S-100 EXTERIOR LATEX PAINT	SWB	Ed's Office, Flammable Cabinet	3	15	Gal	5	Gal		Not Available	X				Liquid	Y
XS033	STRIPING PAINT YELLOW	SWB	Ed's Office, Flammable Cabinet	3	3	Gal	1	Gal		Not Available	X	X			Liquid	Y

**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

---

**Table B-3 - Purchased Chemical Inventory Screening**

MSDS	Chemicals Product Name	Bldg	Storage Area	Q3_2007 On-Hand Container Count	Total On-Hand Lb/Gal Equivalent Value	Lb/Gal Resultant Unit	Container Lb/Gal Equiv Value	Lb/Gal Resultant Unit	NFPA Health	NFPA Health Rate 2 or Less	Common Public Use	Lab Scale Qty	Low Dispersibility	Cryogenic	Physical State	Screens (Y/N)
XS034	OIL BASE ENAMEL	SWB	Ed's Office, Flammable Cabinet	1	0.25	Gal	0.25	Gal		Not Available	X	X			Liquid	Y
XS035	LIQUID NAILS PROJECTS AND CONSTRUCTION ADHESIVE	SWB	Ed's Office, Flammable Cabinet	1	0.25	Gal	0.25	Gal		Not Available	X	X			Liquid	Y
XS035	LIQUID NAILS PROJECTS AND CONSTRUCTION ADHESIVE	SWB	Ed's Office, Flammable Cabinet	1	1	Gal	1	Gal		Not Available	X	X			Liquid	Y
XS036	PARA BOND STAIR TREAD ADHESIVE	SWB	Ed's Office, Flammable Cabinet	1	1	Gal	1	Gal		Not Available	X	X			Liquid	Y
XS037	SUMMIT EXTERIOR LATEX PAINT	SWB	Ed's Office, Flammable Cabinet	1	1	Gal	1	Gal		Not Available	X	X			Liquid	Y
XS038	PROMAR 200 INTERIOR LATEX PAINT	SWB	Ed's Office, Flammable Cabinet	1	1	Gal	1	Gal		Not Available	X	X			Liquid	Y
XS039	DTM ALKYL COATING (PAINT)	SWB	Ed's Office, Flammable Cabinet	2	2	Gal	1	Gal		Not Available	X	X			Liquid	Y
W0039	AMMONIUM HYDROXIDE (10-35% NH3) (AMMONIUM AQUEOUS; AMMONIA SOLUTION; AQUA AMMONIA)	Truck Mounted Lab	Inside Mobile Lab	2	0.3	Gal	0.1	Gal	3			X				Y
W0403	HYDROCHLORIC ACID, 33-40%	Truck Mounted Lab	Inside Mobile Lab	1	0.1	Gal	0.1	Gal	3			X				Y
W0650.6	NITROGEN (COMPRESSED & LIQUID CRYOGENIC)	Truck Mounted Lab	Inside Mobile Lab	4	43.5	Lb	10.9	Lb	3			X			Gas	Y
W0693	POTASSIUM HYDROXIDE SOLUTION 8 N	Truck Mounted Lab	Inside Mobile Lab	2	5.3E-02	Gal	2.6E-02	Gal	3			X				Y
W0814.9	SODIUM HYDROXIDE SOLUTIONS (MORE THAN 10% NaOH)	Truck Mounted Lab	Inside Mobile Lab	1	0.1	Gal	0.1	Gal	3			X				Y
W0819	SULFURIC ACID, 52-100%	Truck Mounted Lab	Inside Mobile Lab	2	0.3	Gal	0.1	Gal	3			X				Y
W0819.1	SULFURIC ACID, <10% (</H2> (WAS 0.02N VOLUMETRIC SOLUTION))	Truck Mounted Lab	Inside Mobile Lab	2	0.5	Gal	0.3	Gal	3			X				Y
W1078.2	IRON, 1,000 UG/ML (IRON ATOMIC ABSORPTION STANDARD)	Truck Mounted Lab	Inside Mobile Lab	1	4.0E-02	Gal	4.0E-02	Gal	3			X			Liquid	Y
W2522.1	NITRIC ACID ULTREX II	Truck Mounted Lab	Inside Mobile Lab	2	0.3	Gal	0.1	Gal	3			X				Y
W2544	POTASSIUM 2 REAGENT	Truck Mounted Lab	Inside Mobile Lab	7	4.6E-02	Gal	6.6E-03	Gal	3			X				Y

**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

---

**Table B-3 - Purchased Chemical Inventory Screening**

MSDS	Chemicals Product Name	Bldg	Storage Area	Q3_2007 On-Hand Container Count	Total On-Hand Lb/Gal Equivalent Value	Lb/Gal Resultant Unit	Container Lb/Gal Equiv Value	Lb/Gal Resultant Unit	NFPA Health	NFPA Health Rate 2 or Less	Common Public Use	Lab Scale Qty	Low Dispersibility	Cryogenic	Physical State	Screens (Y/N)
W0074.1	AMMONIUM CHLORIDE	Truck Mounted Lab	Inside Mobile Lab	4	4.4	Lb	1.1	Lb	2	X		X				Y
W0338	FERROVER IRON REAGENT	Truck Mounted Lab	Inside Mobile Lab	6	0.5	Gal	8.6E-02	Gal	2	X		X				Y
W0842	SULFAVER 4 SULFATE REAGENT	Truck Mounted Lab	Inside Mobile Lab	1	0.4	Lb	0.4	Lb	2	X		X				Y
W1372.1	SILVER NITRATE, STANDARD SOLUTION (1ML=1MG CHLORIDE)	Truck Mounted Lab	Inside Mobile Lab	1	0.3	Gal	0.3	Gal	2	X		X				Y
W0246	CALVER 2 CALCIUM INDICATOR (POWER PILLOWS)	Truck Mounted Lab	Inside Mobile Lab	1	5.5E-05	Lb	5.5E-05		1	X						Y
W0704	POTASSIUM 1 REAGENT	Truck Mounted Lab	Inside Mobile Lab	2	1.1E-04	Lb	5.5E-05	Lb	1	X		X				Y
W0704.1	POTASSIUM 3 REAGENT (POWDER PILLOWS)	Truck Mounted Lab	Inside Mobile Lab	3	0.2	Lb	5.5E-02	Lb	1	X		X				Y
W1314	YSI 3161 CONDUCTIVITY CALIBRATOR 1000 MICROMHO/CM	Truck Mounted Lab	Inside Mobile Lab	2	0.5	Gal	0.2642	Gal	1	X		X				Y
W1314.1	YSI 3163 CONDUCTIVITY CALIBRATOR 10,000 MICROMHO/CM	Truck Mounted Lab	Inside Mobile Lab	2		Gal	0	Gal	1	X		X				Y
W1314.2	YSI 3165 CONDUCTIVITY CALIBRATOR 100,000 MICROMHO/CM	Truck Mounted Lab	Inside Mobile Lab	2	0.5	Gal	0.2642	Gal	1	X		X				Y
W1541	EDTA TETRASODIUM SALT 0.800 +/- 0.004 M	Truck Mounted Lab	Inside Mobile Lab	3	1.0E-02	Gal	0.00343	Gal	1	X		X				Y
W1541.1	EDTA STANDARD SOLUTION (1mL=1mG CaC03)	Truck Mounted Lab	Inside Mobile Lab	3	0.8	Gal	0.2642	Gal	1	X		X				Y
W0134.1	BUFFER SOLUTION, PH 7.00 +/- 0.02	Truck Mounted Lab	Inside Mobile Lab	1	0.1	Gal	0.13	Gal	0	X		X				Y
W0134.2	BUFFER SOLUTION, PH 10.00 +/- 0.01 (0.02)	Truck Mounted Lab	Inside Mobile Lab	1	0.1	Gal	0.13	Gal	0	X		X				Y
W0134.3	BUFFER SOLUTION PH 4.01 +/- 0.01 (RED)	Truck Mounted Lab	Inside Mobile Lab	1	0.1	Gal	0.13	Gal	0	X		X				Y

**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

---

**Table B-3 - Purchased Chemical Inventory Screening**

MSDS	Chemicals Product Name	Bldg	Storage Area	Q3_2007 On-Hand Container Count	Total On-Hand Lb/Gal Equivalent Value	Lb/Gal Resultant Unit	Container Lb/Gal Equiv Value	Lb/Gal Resultant Unit	NFPA Health	NFPA Health Rate 2 or Less	Common Public Use	Lab Scale Qty	Low Dispersibility	Cryogenic	Physical State	Screens (Y/N)
W0786.1	AG/AGCL REFERENCE ELECTRODE FILLING SOLUTION	Truck Mounted Lab	Inside Mobile Lab	14	0.2	Gal	1.3E-02	Gal	0	X		X				Y
W1893	LIQUI-NOX (LIQUINOX)	Truck Mounted Lab	Inside Mobile Lab	1	1	Gal	1	Gal		Not Available		X				Y
W1893	LIQUI-NOX (LIQUINOX)	Truck Mounted Lab	Inside Mobile Lab	1	0.25	Gal	0.25	Gal		Not Available		X				Y
W0650.6	NITROGEN (COMPRESSED & LIQUID CRYOGENIC)	U/G	U/G E-140/N1000	1	10.9	Lb	10.872	Lb	3			X			Gas	Y
W0650.6	NITROGEN (COMPRESSED & LIQUID CRYOGENIC)	U/G	U/G ? location	1	10.9	Lb	10.9	Lb	3			X			Gas	Y
W0650.6	NITROGEN (COMPRESSED & LIQUID CRYOGENIC)	U/G	U/G Q Alcove SEGA-MEGA Clean Room	2	84.5	Gal	42.3	Gal	3					X	Cryo	Y
W0650.6	NITROGEN (COMPRESSED & LIQUID CRYOGENIC)	U/G	W-30,S-3080/S-3310 Welding Shop	1	10.9	Lb	10.9	Lb	3			X			Gas	Y
W0819.4	SULFURIC ACID 90-98%	U/G	U/G Q Alcove SEGA-MEGA Clean Room	1	0.5	Gal	0.5	Gal	3			X				Y
W1909	SWAB CONCRETE CLEANER	U/G	E-300 Shop (2nd alcove)	1	25	Lb	25	Lb	3			X				Y
W2127	UTP E312-16 (STAINLESS STEEL WELDING ROD)	U/G	W-30,S-3080/S-3310 Welding Shop	2	20	Lb	10	Lb	3			X	X			Y
W2358.1	LEAD-ACID BATTERY	U/G	E-300/S-90 Battery Storage	22	22	Each	1	Each	3		X					Y
X0016	NITRIC ACID, 6M SOLUTION	U/G	U/G Q Alcove SEGA-MEGA Clean Room	1	0.3	Gal	0.2642	Gal	3			X				Y
W0031	SMOOTH COAT 34 (ALL STATE COVERED ELECTRODE FOR WELDING ALUMINUM (34)ELECTRODE	U/G	W-30,S-3080/S-3310 Welding Shop	1	5	Lb	5	Lb	2	X		X	X			Y
W0144	FC FLUID - D	U/G	S-1300/W-170 Oil Bay	1	55	Gal	55	Gal	2	X						Y
W0274	DIESEL FUEL, NO. 1 FUEL OIL	U/G	u/g Lube Trucks	1	180	Gal	180	Gal	2	X	X					Y
W0274	DIESEL FUEL, NO. 1 FUEL OIL	U/G	u/g Lube Trucks	1	180	Gal	180	Gal	2	X	X					Y
W0274	DIESEL FUEL, NO. 1 FUEL OIL	U/G	U/G Fuel Bay W-170 S-90	1	450	Gal	450	Gal	2	X	X					Y
W0385.1	SILICONE RUBBER COMPOUND (WINDOW & DOOR)CLEAR (GE012A)	U/G	N-1420 E-140	19	12.0	Lb	0.63	Lb	2	X	X	X				Y
W0385.1	SILICONE RUBBER COMPOUND (WINDOW & DOOR)CLEAR (GE012A)	U/G	N-460/E-140 Tool Crib	21	13.1	Lb	0.63	Lb	2	X	X	X				Y
W0385.1	SILICONE RUBBER COMPOUND (WINDOW & DOOR)CLEAR (GE012A)	U/G	W-30,S-3080/S-3310 Welding Shop	6	3.75	Lb	0.63	Lb	2	X	X	X				Y

**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

---

**Table B-3 - Purchased Chemical Inventory Screening**

MSDS	Chemicals Product Name	Bldg	Storage Area	Q3_2007 On-Hand Container Count	Total On-Hand Lb/Gal Equivalent Value	Lb/Gal Resultant Unit	Container Lb/Gal Equiv Value	Lb/Gal Resultant Unit	NFPA Health	NFPA Health Rate 2 or Less	Common Public Use	Lab Scale Qty	Low Dispersibility	Cryogenic	Physical State	Screens (Y/N)
W0385.1	SILICONE RUBBER COMPOUND (WINDOW & DOOR)CLEAR (GE012A)	U/G	E-300 Shop (2nd alcove)	6	3.75	Lb	0.63	Lb	2	X	X	X				Y
W0498	KRYLON INTERIOR/EXTERIOR PAINT (#1404-2507)KRYLON INDUST MAINT & TOUCH (AEROSOL)	U/G	underground	2					2	X	X					Y
W0498	KRYLON INTERIOR/EXTERIOR PAINT (#1404-2507)KRYLON INDUST MAINT & TOUCH (AEROSOL)	U/G	N-460/E-140 Tool Crib	55	41.25	Lb	0.75	Lb	2	X	X	X				Y
W0498	KRYLON INTERIOR/EXTERIOR PAINT (#1404-2507)KRYLON INDUST MAINT & TOUCH (AEROSOL)	U/G	E-300 Shop (2nd alcove)	6			0		2	X	X					Y
W0498	KRYLON INTERIOR/EXTERIOR PAINT (#1404-2507)KRYLON INDUST MAINT & TOUCH (AEROSOL)	U/G	E-300 Shop (3rd alcove)	6	4.5	Lb	0.75	Lb	2	X	X	X				Y
W0498	KRYLON INTERIOR/EXTERIOR PAINT (#1404-2507)KRYLON INDUST MAINT & TOUCH (AEROSOL)	U/G	W-30/S-1300 Flammable Cabinet	4	3	Lb	0.75	Lb	2	X	X	X				Y
W0511	LOKSET POLYESTER RESIN CARTRIDGE (ALL H,M OR LIF VISCOSITY SYSTEMS)	U/G	S-1000 connex W-170	856	856	Each	1	Each	2	X						Y
W0511	LOKSET POLYESTER RESIN CARTRIDGE (ALL H,M OR LIF VISCOSITY SYSTEMS)	U/G	S-1000 connex W-170	400	400	Each	1	Each	2	X						Y
W0543	MARVEL MYSTERY OIL	U/G	W-30,S-3080/S-3310 Welding Shop	1	1	Lb	1	Lb	2	X	X	X				Y
W0763	CLEAR RTV SILICONE (66BR CLEAR RTV SILICONE) 3 OZ. TUBE	U/G	U/G Q Alcove SEGA-MEGA Clean Room	1	0.2	Lb	0.2	Lb	2	X	X	X				Y
W0763	CLEAR RTV SILICONE (66BR CLEAR RTV SILICONE) 3 OZ. TUBE	U/G	N-460/E-140 Tool Crib	8	1.5	Lb	0.2	Lb	2	X	X	X				Y
W1022	300 RED (AEROSOL)	U/G	N-460/E-140 Tool Crib	1	0.8	Lb	0.8	Lb	2	X		X				Y
W1048.2	CARQUEST BRAKE FLUID DOT-3	U/G	E-300 Shop (3rd alcove)	1	0.75	Lb	0.75	Lb	2	X	X	X				Y
W1056.1	PRIMER T 7471 AEROSOL	U/G	E-300 Shop (2nd alcove)	1	0.375	Lb	0.375	Lb	2	X	X	X				Y
W1056.1	PRIMER T 7471 AEROSOL	U/G	E-300 Shop (3rd alcove)	1	0.375	Lb	0.375	Lb	2	X	X	X				Y
W1128	INSTANT COLD GALVANIZE ZINC RICH GALVANIZE COATING (AEROSOL)	U/G	N-460/E-140 Tool Crib	15	12.2	Lb	0.8	Lb	2	X		X				Y

**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

---

**Table B-3 - Purchased Chemical Inventory Screening**

MSDS	Chemicals Product Name	Bldg	Storage Area	Q3_2007 On-Hand Container Count	Total On-Hand Lb/Gal Equivalent Value	Lb/Gal Resultant Unit	Container Lb/Gal Equiv Value	Lb/Gal Resultant Unit	NFPA Health	NFPA Health Rate 2 or Less	Common Public Use	Lab Scale Qty	Low Dispersibility	Cryogenic	Physical State	Screens (Y/N)
W1128	INSTANT COLD GALVANIZE ZINC RICH GALVANIZE COATING (AEROSOL)	U/G	E-300 Shop (2nd alcove)	6	4.9	Lb	0.8	Lb	2	X		X				Y
W1493	DOW CORNING PENE-LUBE (AEROSOL)	U/G	N-460/E-140 Tool Crib	1	0.75	Lb	0.75	Lb	2	X		X				Y
W2070	44 CORE (SOLDER), ("44" ROSIN FLUX CORED SOLDER)	U/G	Air Intake Shaft U/G Connex	1	1	Lb	1	Lb	2	X		X	X			Y
W2070	44 CORE (SOLDER), ("44" ROSIN FLUX CORED SOLDER)	U/G	W-30,S-3080/S-3310 Welding Shop	1	1	Lb	1	Lb	2	X		X	X			Y
W2477	HI-HIDE SEMI GLOSS (LATEX SEMI-GLOSS ENAMEL) (PORTER PAINT)	U/G	N-460/E-140 Tool Crib	3	3	Gal	1	Gal	2	X	X	X				Y
W2665	BATTERY TERMINAL PROTECTOR (AEROSOL)	U/G	N-460/E-140 Tool Crib	7	4.8	Lb	0.7	Lb	2	X		X			Liquid	Y
W2665	BATTERY TERMINAL PROTECTOR (AEROSOL)	U/G	E-300 Shop (2nd alcove)	2	1.4	Lb	0.7	Lb	2	X		X			Liquid	Y
W2665	BATTERY TERMINAL PROTECTOR (AEROSOL)	U/G	E-300 Shop (3rd alcove)	3	1.4	Lb	0.5	Lb	2	X		X			Liquid	Y
W2665	BATTERY TERMINAL PROTECTOR (AEROSOL)	U/G	W-170/S400 "Core Storage" Room	2	1.4	Lb	0.7	Lb	2	X		X			Liquid	Y
W2815	71T1 SMOOTHCORE (MIG WIRE)	U/G	W-30,S-3080/S-3310 Welding Shop	2	50	Lb	25	Lb	2	X		X	X			Y
W2889.1	QUICKTITE SUPER GLUE (QUICK TITE SUPER GLUE LOCTITE)	U/G	U/G Q Alcove SEGA-MEGA Clean Room	1	2.2E-02	Lb	2.2E-02	Lb	2	X	X	X				Y
W2918	HYDRAULIC FLUID (SPX POWER TEAM/SPX OTC)	U/G	N-1420 E-140	4	4	Gal	1	Gal	2	X		X				Y
W2923	FAST DRY ACRYLIC ENAMEL (CATARPILLAR YELLOW/GLOSS WHITE)	U/G	N-460/E-140 Tool Crib	12	9	Lb	0.75	Lb	2	X	X	X				Y
W2923	FAST DRY ACRYLIC ENAMEL (CATARPILLAR YELLOW/GLOSS WHITE)	U/G	N-460/E-140 Tool Crib	1	1	Gal	1	Gal	2	X	X	X				Y
W2923	FAST DRY ACRYLIC ENAMEL (CATARPILLAR YELLOW/GLOSS WHITE)	U/G	N-460/E-140 Tool Crib	3	0.75	Gal	0.25	Gal	2	X	X	X				Y
W2923	FAST DRY ACRYLIC ENAMEL (CATARPILLAR YELLOW/GLOSS WHITE)	U/G	E-300 Shop (2nd alcove)	2	1.5	Lb	0.75	Lb	2	X	X	X				Y
W2944	KEM KROMIK UNIVERSAL (METAL PRIMER) (OFF WHITE)	U/G	N-460/E-140 Tool Crib	1	1	Gal	1	Gal	2	X		X				Y
W2962	1063 HARD SURFACE DISINFECTANT WIPES (QUICK & CLEAN)	U/G	U/G	1	1	Each	1	Each	2	X	X					Y

**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

---

**Table B-3 - Purchased Chemical Inventory Screening**

MSDS	Chemicals Product Name	Bldg	Storage Area	Q3_2007 On-Hand Container Count	Total On-Hand Lb/Gal Equivalent Value	Lb/Gal Resultant Unit	Container Lb/Gal Equiv Value	Lb/Gal Resultant Unit	NFPA Health	NFPA Health Rate 2 or Less	Common Public Use	Lab Scale Qty	Low Dispersibility	Cryogenic	Physical State	Screens (Y/N)
W3008	FLEXCEMENT/RUBBER CEMENT	U/G	E-300 Shop (2nd alcove)	1	1	Gal	1	Gal	2	X	X	X				Y
W3052	3M EC-1252 (3M SCOTCH-SEAL TAMPER PROOF SEALANT 1252, ORANGE)	U/G	E-300 Shop (2nd alcove)	1	0.3	Lb	0.3	Lb	2	X	X	X				Y
W3118	245 CORE (SOLDER) KESTER	U/G	U/G Q Alcove SEGA-MEGA Clean Room	1	1	Lb	1	Lb	2	X		X	X			Y
W3136	3M SCOTCHCAST FILLED SERVICE WIRE CLEANING KIT 4415	U/G	W-170/S400 "Core Storage" Room	98		Each	0	Each	2	X						Y
X0021.1	ETHYL ALCOHOL, (ETHANOL, ANHYDROUS, 200 PROOF, 99.5+%)	U/G	U/G Q Alcove SEGA-MEGA Clean Room	4	1.1	Gal	0.3	Gal	2	X		X				Y
X0027.1	COPPER (II) SULFATE PENTAHYDRATE (CUPRIC SULFATE PENTAHYDRATE) (BLUE VITRIOL) CEP	U/G	U/G Q Alcove SEGA-MEGA Clean Room	3	3.3	Lb	1.1	Lb	2	X		X				Y
X0029	DUSTING GAS (AEROSOL)	U/G	U/G Q Alcove SEGA-MEGA Clean Room	4	2.5	Lb	0.625	Lb	2	X	X	X				Y
W0001	ABSORB-N-DRY (FULLER'S EARTH-MONTMORILLONITE)	U/G	E-300 Shop (2nd alcove)	1	55	Gal	55	Gal	1	X						Y
W0018	PENETRATING GRADE THREADLOCKER GREEN 29040 was 290 WICKING GRADE TLOCKER GREEN	U/G	U/G, S700 Connex	2	0.2	Lb	7.6E-02	Lb	1	X		X				Y
W0149	BATTERY CLEANER (AEROSOL)	U/G	N-460/E-140 Tool Crib	11	7.6	Lb	0.7	Lb	1	X		X				Y
W0149	BATTERY CLEANER (AEROSOL)	U/G	E-300 Shop (3rd alcove)	3	2.1	Lb	0.7	Lb	1	X		X				Y
W0149	BATTERY CLEANER (AEROSOL)	U/G	W-170/S400 "Core Storage" Room	1	0.7	Lb	0.7	Lb	1	X		X				Y
W0220	KENDAL INDUSTRIAL GEAR OIL ALL GRADES WAS INDUSTRIAL GEAR OILS 68,100,150,...	U/G	S-1300/W-170 Oil Bay	1	55	Gal	55	Gal	1	X	X					Y
W0220	KENDAL INDUSTRIAL GEAR OIL ALL GRADES WAS INDUSTRIAL GEAR OILS 68,100,150,...	U/G	S-1300/W-170 Oil Bay	1	3	Gal	3	Gal	1	X	X	X				Y
W0220	KENDAL INDUSTRIAL GEAR OIL ALL GRADES WAS INDUSTRIAL GEAR OILS 68,100,150,...	U/G	S-1300/W-170 Oil Bay	1	5	Gal	5	Gal	1	X	X	X				Y
W0327	FLEETWELD 5P (WELDING RODS) (AWS E6010)	U/G	W-30,S-3080/S-3310 Welding Shop	8	400	Lb	50	Lb	1	X			X			Y
W0414.5	HELIUM	U/G	U/G Q Alcove SEGA-MEGA Clean Room	1	10.9	Lb	10.9	Lb	1	X		X				Y
W0440	JOE'S ALL PURPOSE HAND CLEANER	U/G	N-460/E-140 Tool Crib	2	3.75	Lb	1.875	Lb	1	X	X					Y

**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

---

**Table B-3 - Purchased Chemical Inventory Screening**

MSDS	Chemicals Product Name	Bldg	Storage Area	Q3_2007 On-Hand Container Count	Total On-Hand Lb/Gal Equivalent Value	Lb/Gal Resultant Unit	Container Lb/Gal Equiv Value	Lb/Gal Resultant Unit	NFPA Health	NFPA Health Rate 2 or Less	Common Public Use	Lab Scale Qty	Low Dispersibility	Cryogenic	Physical State	Screens (Y/N)
W0440	JOE'S ALL PURPOSE HAND CLEANER	U/G	W-30,S-3080/S-3310 Welding Shop	2	3.75	Lb	1.875	Lb	1	X	X	X				Y
W0440	JOE'S ALL PURPOSE HAND CLEANER	U/G	E-300 Shop (3rd alcove	1	1.875	Lb	1.875	Lb	1	X	X	X				Y
W0441	JOY MANUAL POT AND PAN DETERGENT (PROFESSIONAL LINE)	U/G	N-460/E-140 Tool Crib	1	2.6	Lb	2.6	Lb	1	X	X	X				Y
W0498.3	KRYLON FLUORESCENT SPRAY PAINTS 3101-3107 (AEROSOL)	U/G	N-460/E-140 Tool Crib	1	0.7	Lb	0.7	Lb	1	X	X	X				Y
W0498.3	KRYLON FLUORESCENT SPRAY PAINTS 3101-3107 (AEROSOL)	U/G	W-30/S-1300 Flammable Cabinet	1	0.7	Lb	0.7	Lb	1	X	X	X				Y
W0779.4	RAID WASP & HORNET KILLER 271 (INSECTICIDE) (AEROSOL)	U/G	N-460/E-140 Tool Crib	4	4.4	Lb	1.1	Lb	1	X	X	X				Y
W0839	SPRAYON DRY LUBE (T.F.E. DRY LUBE) (TEFLON) (AEROSOL)	U/G	N-460/E-140 Tool Crib	22	13.75	Lb	0.625	Lb	1	X		X				Y
W0839	SPRAYON DRY LUBE (T.F.E. DRY LUBE) (TEFLON) (AEROSOL)	U/G	W-170/S400 "Core Storage" Room	1	1	Lb	0.625	Lb	1	X		X				Y
W1312	OMNIGUARD SRI LUBRICANT WAS CONOFLEX SRI LUBRICANT SEE NOTE IN FILE	U/G	N-460/E-140 Tool Crib	2	6	Gal	3	Gal	1	X		X				Y
W1312	OMNIGUARD SRI LUBRICANT WAS CONOFLEX SRI LUBRICANT SEE NOTE IN FILE	U/G	S-1300/W-170 Oil Bay	1	5	Gal	5	Gal	1	X		X				Y
W1435	MOLYKOTE 44 HIGH TEMP. BEARING GREASE, MEDIUM	U/G	N-460/E-140 Tool Crib	2	0.7	Lb	0.3	Lb	1	X	X	X				Y
W1435.1	MOLYKOTE 44 HIGH TEMP. BEARING GREASE, LIGHT	U/G	N-460/E-140 Tool Crib	4	3.5	Lb	0.875	Lb	1	X	X	X				Y
W1435.1	MOLYKOTE 44 HIGH TEMP. BEARING GREASE, LIGHT	U/G	W-30,S-3080/S-3310 Welding Shop	1	0.875	Lb	0.875	Lb	1	X	X	X				Y
W1479	MULTIFAK EP 2 (00995)	U/G	S-1300/W-170 Oil Bay	2	10	Gal	5	Gal	1	X		X				Y
W1502	ROCK DRILL OIL (HYDROCLEAR ROCK DRILL OIL 32,100,150,220,320)	U/G	S-1300/W-170 Oil Bay	1	1	Gal	1	Gal	1	X		X				Y
W1502	ROCK DRILL OIL (HYDROCLEAR ROCK DRILL OIL 32,100,150,220,320)	U/G	S-1300/W-170 Oil Bay	1	2	Gal	2	Gal	1	X		X				Y
W1502	ROCK DRILL OIL (HYDROCLEAR ROCK DRILL OIL 32,100,150,220,320)	U/G	S-1300/W-170 Oil Bay	1	55	Gal	55	Gal	1	X						Y
W1518	JETWELD LH-70 - (ALL SIZES) AWS E7018H4R	U/G	W-30,S-3080/S-3310 Welding Shop	5	250	Lb	50	Lb	1	X						Y

**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

---

**Table B-3 - Purchased Chemical Inventory Screening**

MSDS	Chemicals Product Name	Bldg	Storage Area	Q3_2007 On-Hand Container Count	Total On-Hand Lb/Gal Equivalent Value	Lb/Gal Resultant Unit	Container Lb/Gal Equiv Value	Lb/Gal Resultant Unit	NFPA Health	NFPA Health Rate 2 or Less	Common Public Use	Lab Scale Qty	Low Dispersibility	Cryogenic	Physical State	Screens (Y/N)
W1567	AIRCRAFT HYDRAULIC OIL 15, 01537	U/G	N-460/E-140 Tool Crib	3	3	Gal	1	Gal	1	X		X				Y
W1605	RIDGID PREMIUM DARK THREAD CUTTING OIL	U/G	E-300 Shop (2nd alcove)	1	1	Gal	1	Gal	1	X		X				Y
W1606	RIDGID PREMIUM NUCLEAR THREAD CUTTING OIL	U/G	N-460/E-140 Tool Crib	1	5	Gal	5	Gal	1	X		X				Y
W1626	STP OIL TREATMENT	U/G	N-460/E-140 Tool Crib	2	2	Gal	1	Gal	1	X	X	X				Y
W1643.3	NORZON (ALUMINA/ZIRCONIA RESIN GRINDING WHEEL (4 1/2 INCH WHEEL)TYPE 27	U/G	W-30,S-3080/S-3310 Welding Shop	3	3	Each	1	Each	1	X			X			Y
W1643.4	ALUMINUM OXIDE RESIN GRINDING WHEEL (20" DIAMETER, 5/32 THICK, 1" HOLE)	U/G	W-30,S-3080/S-3310 Welding Shop	57	57	Each	1	Each	1	X			X			Y
W1643.5	ALUMINUM OXIDE RESIN GRINDING WHEEL 4 INCH, NORZON PLUS	U/G	W-30,S-3080/S-3310 Welding Shop	3	3	Each	1	Each	1	X			X			Y
W1775	SIMPLE GREEN INDUSTRIAL CLEANER AND DEGREASER	U/G	U/G Q Alcove SEGA-MEGA Clean Room	2	2	Gal	1	Gal	1	X	X	X				Y
W1775	SIMPLE GREEN INDUSTRIAL CLEANER AND DEGREASER	U/G	N-460/E-140 Tool Crib	1	1	Gal	1	Gal	1	X	X	X				Y
W1775	SIMPLE GREEN INDUSTRIAL CLEANER AND DEGREASER	U/G	E-300 Shop (3rd alcove)	2	2	Gal	1	Gal	1	X	X	X				Y
W1863	ABRASIVE WHEEL, GRINDING WHEEL, FLEX WHEEL, CUT-OFF WHEEL, SANDING DISC	U/G	W-30,S-3080/S-3310 Welding Shop	78	78	Each	1	Each	1	X			X			Y
W1884	LOW STRENGTH THREADLOCKER 222MS	U/G	N-460/E-140 Tool Crib	2	0.2	Lb	0.1	Lb	1	X	X	X			Liquid	Y
W2007	JETWELD 3 (ALL SIZES) (AWS E7024)	U/G	W-30,S-3080/S-3310 Welding Shop	1	50	Lb	50	Lb	1	X						Y
W2121	SHIELDING GAS FOR A WELDING MACHINE	U/G	U/G E-140/N1000	2					1	X						Y
W2214	3M FIRE BARRIER 2001 SILICONE RTV FOAM KIT	U/G	N-460/E-140 Tool Crib	11	4.8	Lb	0.4	Lb	1	X		X				Y
W2214	3M FIRE BARRIER 2001 SILICONE RTV FOAM KIT	U/G	N-460/E-140 Tool Crib	8	40	Gal	5	Gal	1	X		X				Y
W2342	AMMUNITION (SAFETY BOOSTERS) (BLANK CARTRIDGES) 22,25,27 cal.	U/G	N-460/E-140 Tool Crib	11	1100	Each	100	Each	1	X	X					Y
W2355	POWER LUBE MULTI-PURPOSE LUBRICANT - AEROSOL	U/G	N-1420 E-140	1	0.6	Lb	0.6	Lb	1	X	X	X				Y
W2355	POWER LUBE MULTI-PURPOSE LUBRICANT - AEROSOL	U/G	N-460/E-140 Tool Crib	6	3.4	Lb	0.6	Lb	1	X	X	X				Y

**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

---

**Table B-3 - Purchased Chemical Inventory Screening**

MSDS	Chemicals Product Name	Bldg	Storage Area	Q3_2007 On-Hand Container Count	Total On-Hand Lb/Gal Equivalent Value	Lb/Gal Resultant Unit	Container Lb/Gal Equiv Value	Lb/Gal Resultant Unit	NFPA Health	NFPA Health Rate 2 or Less	Common Public Use	Lab Scale Qty	Low Dispersibility	Cryogenic	Physical State	Screens (Y/N)
W2355	POWER LUBE MULTI-PURPOSE LUBRICANT - AEROSOL	U/G	E-300 Shop (3rd alcove)	3	1.7	Lb	0.6	Lb	1	X	X	X				Y
W2355	POWER LUBE MULTI-PURPOSE LUBRICANT - AEROSOL	U/G	W-170/S400 "Core Storage" Room	1	0.6	Lb	0.6	Lb	1	X	X	X				Y
W2379	ALUMINUM OXIDE COATED ABRASIVE (ADALOX/ABRASIVE CAP) SANDPAPER/BELT METALITE 228	U/G	W-30,S-3080/S-3310 Welding Shop	56	56	Each	1	Each	1	X			X			Y
W2693.2	MAGCHEM 10 WTS-60 (MAGNESIUM OXIDE) MAG CHEM 10 WTS 60	U/G	U/G ? location	291	1222200	Lb	4200	Lb	1	X						Y
W2698	CONOCO FR HYDRAULIC FLUID (OIL BLEND)	U/G	S-1300/W-170 Oil Bay	1	55	Gal	55	Gal	1	X	X					Y
W2705.1	AW HYDRAULIC OIL ISO-32 (PREMIUM ENERPAC HYDRAULIC OIL(ENERPAC HF HYD OIL)	U/G	E-300 Shop (2nd alcove)	1	1	Gal	1	Gal	1	X	X	X				Y
W2756	AEROKROIL (AEROSOL)	U/G	N-460/E-140 Tool Crib	1	0.625	Lb	0.625	Lb	1	X		X				Y
W2799	CHEVRON FIRE-RESISTANT FLUID D	U/G	S-1300/W-170 Oil Bay	1	55	Gal	55	Gal	1	X						Y
W2809	LENS CLEANING STATION (KLEEN VIEW) (C-CLEAR LENS CLEANING STATION FLUID)	U/G	N-460/E-140 Tool Crib	2	0.1	Gal	6.2E-02	Gal	1	X	X	X				Y
W2885	76 UNAX AW 32	U/G	E-300 Shop (2nd alcove)	1	2	Gal	2	Gal	1	X		X				Y
W2905	GB-74 PRECISION FEED AUTOMATIC WELDING WIRE (WELDMARK) (IWDC)	U/G	W-30,S-3080/S-3310 Welding Shop	1	45	Lb	45	Lb	1	X			X			Y
W2917	VORTEC FLAP DISC (ABRASIVE FLAP DISC - ALUMINUM BACKED)WEILER CORP.ZIRCONIUM	U/G	W-30,S-3080/S-3310 Welding Shop	10	10	Each	1	Each	1	X			X			Y
W2937	DYNA 143 PARTS WASHING SOLVENT	U/G	E-300 Shop (2nd alcove)	2	40	Gal	20	Gal	1	X						Y
W2976	GRINDING WHEELS (RESIN BONDED ABRASIVES) 7"	U/G	W-30,S-3080/S-3310 Welding Shop	23	23	Each	1	Each	1	X			X			Y
W2986	SJ-33 (COFFING #H-7813 TRANSMISSION OIL (KIT # 14J1) (GAFFEY CRANE)	U/G	N-460/E-140 Tool Crib	3	3	Gal	1	Gal	1	X		X				Y
W2989	LOCTITE 545 THREAD SEALANT	U/G	U/G, S700 Connex	1	0.1	Lb	0.1	Lb	1	X	X	X				Y
W2992	STA-CLEAR LENS CLEANING TISSUES (ANTI FOG ANTI STATIC) (PRE-MOISTENED LENS CLEAN	U/G	N-460/E-140 Tool Crib	2	2	Each	1	Each	1	X	X					Y

**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

---

**Table B-3 - Purchased Chemical Inventory Screening**

MSDS	Chemicals Product Name	Bldg	Storage Area	Q3_2007 On-Hand Container Count	Total On-Hand Lb/Gal Equivalent Value	Lb/Gal Resultant Unit	Container Lb/Gal Equiv Value	Lb/Gal Resultant Unit	NFPA Health	NFPA Health Rate 2 or Less	Common Public Use	Lab Scale Qty	Low Dispersibility	Cryogenic	Physical State	Screens (Y/N)
W3031	HYTORC PUMP HYDRAULIC OIL AND LUBRICATING OIL (DROSERA H32)	U/G	E-300 Shop (2nd alcove)	1	1	Gal	1	Gal	1	X		X				Y
W3031	HYTORC PUMP HYDRAULIC OIL AND LUBRICATING OIL (DROSERA H32)	U/G	W-170/S400 "Core Storage" Room	1	5	Gal	5	Gal	1	X		X				Y
W3031	HYTORC PUMP HYDRAULIC OIL AND LUBRICATING OIL (DROSERA H32)	U/G	W-170/S400 "Core Storage" Room	6	6	Gal	1	Gal	1	X		X				Y
W3041	RESINOID BONDED CUTTING OFF AND GRINDING WHEELS (METAL/FERROUS)	U/G	W-30,S-3080/S-3310 Welding Shop	4	4	Each	1	Each	1	X			X			Y
W3059	PLATINUM PLUS DFX-DFP (DIESEL FUEL ADDITIVE)	U/G	E-300 Shop (2nd alcove)	6	11.3	Lb	1.9	Lb	1	X		X				Y
W3065	TEN-FOUR GLOVE DUST, CATALOG NUMBER 10-4 (TEN FOUR, 10 4) (GLOVE POWDER)	U/G	N-460/E-140 Tool Crib	1	0.4	Lb	0.4	Lb	1	X	X	X				Y
W3065.1	CANTAL TALC - TALCOR 5600, TALCOR 4500 (VOLTGARD GLOVE TALC/POWDER)	U/G	N-460/E-140 Tool Crib	1	0.3	Lb	0.3	Lb	1	X		X				Y
W3066.1	FOAM OUT (DEFOAMER) FOR PORTABLE MINING TOILET	U/G	E-300 Shop (2nd alcove)	1	1	Gal	1	Gal	1	X		X				Y
W3069	SIC VITRIFIED GRINDING WHEEL (STONE NOT DISK)	U/G	W-30,S-3080/S-3310 Welding Shop	1	1	Each	1	Each	1	X			X			Y
W3094.1	STEEL WRITER/AMERICAN MARKING INC./TEXPEN/METAL MARKING YELLOW/ITW DYKEM	U/G	N-460/E-140 Tool Crib	18	18	Each	1	Each	1	X	X					Y
W3105	77C ULTRA BLUE RTV SILICONE GASKET MAKER 13OZ CQ	U/G	E-300 Shop (2nd alcove)	7	5.7	Lb	0.8	Lb	1	X	X	X				Y
W3113	CARBON DIOXIDE 0.1-99% BALANCE ARGON, (ARGIN 75% CARBON DIOXIDE 25%) (WELDING GAS)	U/G	W-30,S-3080/S-3310 Welding Shop	1	10.9	Lb	10.9	Lb	1	X		X				Y
W3122	AIR CARBON ARC ELECTRODES (COPPER COATED GOUGING CARBONS) (WELDMARK/ARCAIR)	U/G	W-30,S-3080/S-3310 Welding Shop	8	40	Lb	5	Lb	1	X		X	X			Y
X0023	MAX 3500 W&D GREY (SILICONIZED ACRYLIC GREY M3500 WINDOW AND DOOR SEALANT)	U/G	U/G Q Alcove SEGA-MEGA Clean Room	1	0.6	Lb	0.6	Lb	1	X	X	X				Y
X0026.6	XENON GAS	U/G	N-1420 E-140	6	462	Lb	77	Lb	1	X						Y
X0026.6	XENON GAS	U/G	N-1420 E-140	10	770	Lb	77	Lb	1	X						Y
X0030	67V DIELECTRIC TUNE-UP GREASE	U/G	U/G Q Alcove SEGA-MEGA Clean Room	3	6.2E-02	Lb	2.1E-02	Lb	1	X		X				Y

**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

---

**Table B-3 - Purchased Chemical Inventory Screening**

MSDS	Chemicals Product Name	Bldg	Storage Area	Q3_2007 On-Hand Container Count	Total On-Hand Lb/Gal Equivalent Value	Lb/Gal Resultant Unit	Container Lb/Gal Equiv Value	Lb/Gal Resultant Unit	NFPA Health	NFPA Health Rate 2 or Less	Common Public Use	Lab Scale Qty	Low Dispersibility	Cryogenic	Physical State	Screens (Y/N)
W0003.1	ACETYLENE	U/G	U/G E-140/N1000	4	4	Each	1	Each	0	X						Y
W0003.1	ACETYLENE	U/G	W-30,S-3080/S-3310 Welding Shop	3	3	Each	1	Each	0	X						Y
W0125	PROPANE	U/G	N-460/E-140 Tool Crib	1	0.9	Lb	0.9	Lb	0	X		X				Y
W0193.1	CHEVRON ROCK DRILL OIL VISTAC ISO 32, 46, 100, 150, 320	U/G	S-1300/W-170 Oil Bay	1	2	Gal	2	Gal	0	X		X				Y
W0272	DYNA-BLUE LUBRICANT (SITE STANDARD)	U/G	N-460/E-140 Tool Crib	3	2.5	Gal	0.8	Gal	0	X		X				Y
W0412	DOW CORNING HIGH VACUUM GREASE	U/G	U/G Q Alcove SEGA-MEGA Clean Room	1	0.3	Lb	0.3	Lb	0	X	X	X				Y
W0416	HYDRAULIC TRANSMISSION FLUID TYPE C-3 (was SITE STANDARD)	U/G	S-1300/W-170 Oil Bay	2	10	Gal	5	Gal	0	X	X	X				Y
W0659.1	NEVER-SEEZ PURE NICKEL SPECIAL (ANTI-SEIZE COMPOUND/LUBRICANT)	U/G	N-460/E-140 Tool Crib	1	1	Lb	1	Lb	0	X		X				Y
W0659.1	NEVER-SEEZ PURE NICKEL SPECIAL (ANTI-SEIZE COMPOUND/LUBRICANT)	U/G	E-300 Shop (2nd alcove)	1	1	Lb	1	Lb	0	X		X				Y
W0659.1	NEVER-SEEZ PURE NICKEL SPECIAL (ANTI-SEIZE COMPOUND/LUBRICANT)	U/G	E-300 Shop (3rd alcove)	1	1	Lb	1	Lb	0	X		X				Y
W0673.4	OXYGEN	U/G	U/G E-140/N1000	5	54.4	Lb	10.9	Lb	0	X	X	X			Gas	Y
W0673.4	OXYGEN	U/G	W-30,S-3080/S-3310 Welding Shop	3	32.6	Lb	10.9	Lb	0	X	X	X			Gas	Y
W0928	POTTING COMPOUND (TUNG OIL) POTTING COMPOUND HARDENER (LINE POWER)	U/G	N-460/E-140 Tool Crib	3	1.5	Gal	0.5	Gal	0	X		X				Y
W0928	POTTING COMPOUND (TUNG OIL) POTTING COMPOUND HARDENER (LINE POWER)	U/G	N-460/E-140 Tool Crib	3	6	Gal	2	Gal	0	X		X				Y
W0989	INCONEL 182 (HUNTINGTON)	U/G	W-30,S-3080/S-3310 Welding Shop	1	1	Each	1	Each	0	X			X			Y
W1092	CITGO PREMIUM LITHIUM EP-2 GREASE	U/G	S-1300/W-170 Oil Bay	3	360	Lb	120	Lb	0	X	X					Y
W1092	CITGO PREMIUM LITHIUM EP-2 GREASE	U/G	u/g Lube Trucks	1	120	Lb	120	Lb	0	X	X					Y
W1092	CITGO PREMIUM LITHIUM EP-2 GREASE	U/G	u/g Lube Trucks	1	120	Lb	120	Lb	0	X	X					Y
W1093	CITGARD 500 MOTOR OIL SAE 30 (CITGO MOTOR OILS SUS >400)	U/G	E-300 Shop (2nd alcove)	1	6.375	Gal	6.375	Gal	0	X	X					Y
W1094	CITGO A/W HYDRAULIC OIL 68	U/G	S-1300/W-170 Oil Bay	1	55	Gal	55	Gal	0	X	X					Y

**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

---

**Table B-3 - Purchased Chemical Inventory Screening**

MSDS	Chemicals Product Name	Bldg	Storage Area	Q3_2007 On-Hand Container Count	Total On-Hand Lb/Gal Equivalent Value	Lb/Gal Resultant Unit	Container Lb/Gal Equiv Value	Lb/Gal Resultant Unit	NFPA Health	NFPA Health Rate 2 or Less	Common Public Use	Lab Scale Qty	Low Dispersibility	Cryogenic	Physical State	Screens (Y/N)
W1094	CITGO A/W HYDRAULIC OIL 68	U/G	S-1300/W-170 Oil Bay	1	3	Gal	3	Gal	0	X	X	X				Y
W1094	CITGO A/W HYDRAULIC OIL 68	U/G	u/g Lube Trucks	1	80	Gal	80	Gal	0	X	X					Y
W1094	CITGO A/W HYDRAULIC OIL 68	U/G	u/g Lube Trucks	1	80	Gal	80	Gal	0	X	X					Y
W1099	CITGO PREMIUM GEAR OIL (MP) 80W-90 (MULTI PURPOSE)	U/G	S-1300/W-170 Oil Bay	1	55	Gal	55	Gal	0	X	X					Y
W1099	CITGO PREMIUM GEAR OIL (MP) 80W-90 (MULTI PURPOSE)	U/G	u/g Lube Trucks	1	80	Gal	80	Gal	0	X	X					Y
W1099	CITGO PREMIUM GEAR OIL (MP) 80W-90 (MULTI PURPOSE)	U/G	u/g Lube Trucks	1	80	Gal	80	Gal	0	X	X					Y
W1099.1	CITGO REGULAR GEAR OIL SAE 90	U/G	E-300 Shop (3rd alcove	1	5	Gal	5	Gal	0	X	X	X				Y
W1100	CITGO SLIDERITE 68 OIL	U/G	S-1300/W-170 Oil Bay	1	55	Gal	55	Gal	0	X	X					Y
W1100.1	CITGO SLIDERITE 220 OIL (WAY LUBRICANT)	U/G	S-1300/W-170 Oil Bay	1	55	Gal	55	Gal	0	X	X					Y
W1104	CITGO TRANSGARD TRACTOR HYDRAULIC FLUID (HYD. FLUID SUS-5)	U/G	E-300 Shop (2nd alcove)	1	5	Gal	5	Gal	0	X	X	X				Y
W1104	CITGO TRANSGARD TRACTOR HYDRAULIC FLUID (HYD. FLUID SUS-5)	U/G	S-1300/W-170 Oil Bay	6	30	Gal	5	Gal	0	X	X	X				Y
W1106.1	REGAL R&O 46 (00701)	U/G	S-1300/W-170 Oil Bay	1	5	Gal	5	Gal	0	X		X				Y
W1337	MEAN STREAK WATERPROOF MARKING STICK	U/G	N-460/E-140 Tool Crib	52	52	Each	1	Each	0	X	X					Y
W1415.1	TELLUS PLUS 32 (TELLUS OIL 32)	U/G	S-1300/W-170 Oil Bay	1	55	Gal	55	Gal	0	X	X					Y
W1620	ROCKITE CEMENT	U/G	S-90/room Q alcove	5	250	Lb	50	Lb	0	X						Y
W1676	ALVANIA EP GREASE 00 (WAS SHELL ALVANIA EP LF GREASE ROO)	U/G	S-1300/W-170 Oil Bay	1	55	Gal	55	Gal	0	X						Y
W1676	ALVANIA EP GREASE 00 (WAS SHELL ALVANIA EP LF GREASE ROO)	U/G	S-1300/W-170 Oil Bay	1	5	Gal	5	Gal	0	X		X				Y
W1676.1	ALVANIA EP2 GREASE LITHIUM 71125	U/G	N-1420 E-140	1	0.9	Lb	0.9	Lb	0	X	X	X				Y
W1676.1	ALVANIA EP2 GREASE LITHIUM 71125	U/G	W-30,S-3080/S-3310 Welding Shop	1	0.9	Lb	0.9	Lb	0	X	X	X				Y
W1676.1	ALVANIA EP2 GREASE LITHIUM 71125	U/G	E-300 Shop (3rd alcove	1	0.9	Lb	0.9	Lb	0	X	X	X				Y
W1760.1	SONTEX 100-LT (WHITE MINERAL OIL)	U/G	E-300 Shop (2nd alcove)	3	3	Gal	1	Gal	0	X	X	X				Y

**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

---

**Table B-3 - Purchased Chemical Inventory Screening**

MSDS	Chemicals Product Name	Bldg	Storage Area	Q3_2007 On-Hand Container Count	Total On-Hand Lb/Gal Equivalent Value	Lb/Gal Resultant Unit	Container Lb/Gal Equiv Value	Lb/Gal Resultant Unit	NFPA Health	NFPA Health Rate 2 or Less	Common Public Use	Lab Scale Qty	Low Dispersibility	Cryogenic	Physical State	Screens (Y/N)
W1854	SAFETAP PLUS	U/G	N-460/E-140 Tool Crib	3	3	Gal	1	Gal	0	X		X				Y
W1854	SAFETAP PLUS	U/G	E-300 Shop (2nd alcove)	2	2	Gal	1	Gal	0	X		X				Y
W1854	SAFETAP PLUS	U/G	E-300 Shop (2nd alcove)	1	1	Gal	1	Gal	0	X		X				Y
W1967	ARCALOY BARE STAINLESS STEEL WELDING ELECTRODES (WIRES)	U/G	W-30,S-3080/S-3310 Welding Shop	5	125	Lb	25	Lb	0	X		X	X			Y
W1992.1	CHEVRON RPM UNIVERSAL GEAR LUBRICANT (SAE 85W-140/80W-90)	U/G	E-300 Shop (2nd alcove)	1	5	Gal	5	Gal	0	X	X	X				Y
W2569.1	ALUMINUM WELDING WIRES AND RODS (AL WIRE AND CUT LENGTHS (UNI FIL 4/R4043/NASCO))	U/G	W-30,S-3080/S-3310 Welding Shop	6	30	Lb	5	Lb	0	X		X	X			Y
W2573	ATF MERCON/DEXRON III (01854) (SITE STANDARD/NO SUBSTITUTION)	U/G	E-300 Shop (2nd alcove)	1	5	Gal	5	Gal	0	X		X				Y
W2638	XD-3 30 (30W OIL) (MC STOCK# X-12-01675)	U/G	S-1300/W-170 Oil Bay	3	15	Gal	5	Gal	0	X	X	X				Y
W2638	XD-3 30 (30W OIL) (MC STOCK# X-12-01675)	U/G	S-1300/W-170 Oil Bay	1	55	Gal	55	Gal	0	X	X					Y
W2638	XD-3 30 (30W OIL) (MC STOCK# X-12-01675)	U/G	u/g Lube Trucks	1	80	Gal	80	Gal	0	X	X					Y
W2638	XD-3 30 (30W OIL) (MC STOCK# X-12-01675)	U/G	u/g Lube Trucks	1	80	Gal	80	Gal	0	X	X					Y
W2711	ALL MINERAL GEAR OIL (PHILUBE AMGO 85W-90, 140)	U/G	E-300 Shop (2nd alcove)	1	5	Gal	5	Gal	0	X	X	X				Y
W2711	ALL MINERAL GEAR OIL (PHILUBE AMGO 85W-90, 140)	U/G	S-1300/W-170 Oil Bay	1	5	Gal	5	Gal	0	X	X	X				Y
W2711	ALL MINERAL GEAR OIL (PHILUBE AMGO 85W-90, 140)	U/G	S-1300/W-170 Oil Bay	1	55	Gal	55	Gal	0	X	X					Y
W2714	OXYGEN USP	U/G	U/G trauma kits	6	315.5	Gal	52.6	Gal	0	X						Y
W2834	WELDMARK NOZZLE GEL (NOZZLE DIP)	U/G	W-30,S-3080/S-3310 Welding Shop	1	0.125	Gal	0.125	Gal	0	X		X				Y
W2886	SCRUBS IN-A-BUCKET (ROUGH TOUCH IN-A-BUCKET(WATERLESS HAND CLEANER TOWELS))	U/G	N-1420 E-140	1			0		0	X	X					Y
W2886	SCRUBS IN-A-BUCKET (ROUGH TOUCH IN-A-BUCKET(WATERLESS HAND CLEANER TOWELS))	U/G	N-460/E-140 Tool Crib	3	3	Gal	1	Gal	0	X	X	X				Y
W2927	SHELL PELLA OIL A	U/G	S-1300/W-170 Oil Bay	1	55	Gal	55	Gal	0	X						Y

**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

---

**Table B-3 - Purchased Chemical Inventory Screening**

MSDS	Chemicals Product Name	Bldg	Storage Area	Q3_2007 On-Hand Container Count	Total On-Hand Lb/Gal Equivalent Value	Lb/Gal Resultant Unit	Container Lb/Gal Equiv Value	Lb/Gal Resultant Unit	NFPA Health	NFPA Health Rate 2 or Less	Common Public Use	Lab Scale Qty	Low Dispersibility	Cryogenic	Physical State	Screens (Y/N)
W2993.1	CITGO TRANSGUARD TORQUE CONVERTER FLUID 250 (TCF 250)	U/G	S-1300/W-170 Oil Bay	4	20	Gal	5	Gal	0	X	X					Y
W2993.1	CITGO TRANSGUARD TORQUE CONVERTER FLUID 250 (TCF 250)	U/G	S-1300/W-170 Oil Bay	1	55	Gal	55	Gal	0	X	X					Y
W3044	CITGO NON DETERGENT MOTOR OIL SAE 30	U/G	E-300 Shop (2nd alcove)	1	6.2E-02	Gal	6.2E-02	Gal	0	X	X	X				Y
W3143	WINDEX ORIGINAL STREAK-FREE SHINE GLASS CLEANER (STREAK FREE)	U/G	N-1420 E-140	1	0.25	Gal	0.25	Gal	0	X	X	X				Y
W3143	WINDEX ORIGINAL STREAK-FREE SHINE GLASS CLEANER (STREAK FREE)	U/G	N-1420 E-140	1	12	Gal	12	Gal	0	X	X					Y
W0211	CLOROX REGULAR BLEACH (WAS ULTRA CLOROX REGULAR BLEACH)	U/G	N-460/E-140 Tool Crib	1	0.75	Gal	0.75	Gal		Not Available	X	X				Y
W0320	EPOXY DOUBLE BUBBLE RED PACKAGE (PART A & B) (RED/WHITE (EPOWELD 8173 PART A&B)	U/G	U/G, S-700 Connex	21	0.2	Lb	7.7E-03	Lb		Not Available	X	X				Y
W0320	EPOXY DOUBLE BUBBLE RED PACKAGE (PART A & B) (RED/WHITE (EPOWELD 8173 PART A&B)	U/G	N-460/E-140 Tool Crib	23	0.2	Lb	8.8E-03	Lb		Not Available	X	X				Y
W0755	PVC CLEAR MEDIUM BODIED CEMENT	U/G	N-460/E-140 Tool Crib	1	1	Lb	1	Lb		Not Available	X	X				Y
W0877.5	ASHLAND FLEET ANTIFREEZE (SITE STANDARD ANTIFREEZE/NO SUBSTITUTION	U/G	S-1300/W-170 Oil Bay	1	5	Gal	5	Gal		Not Available	X	X				Y
W0877.5	ASHLAND FLEET ANTIFREEZE (SITE STANDARD ANTIFREEZE/NO SUBSTITUTION	U/G	S-1300/W-170 Oil Bay	1	55	Gal	55	Gal		Not Available	X					Y
W0944	TRI-FLOW SUPERIOR LUBRICANT WITH TEFLON (AEROSOL) TRIFLOW	U/G	N-460/E-140 Tool Crib	6	4.5	Lb	0.75	Lb		Not Available		X				Y
W0944	TRI-FLOW SUPERIOR LUBRICANT WITH TEFLON (AEROSOL) TRIFLOW	U/G	E-300 Shop (2nd alcove)	1	0.75	Lb	0.75	Lb		Not Available		X				Y
W0944	TRI-FLOW SUPERIOR LUBRICANT WITH TEFLON (AEROSOL) TRIFLOW	U/G	E-300 Shop (3rd alcove)	1	0.75	Lb	0.75	Lb		Not Available		X				Y
W0944	TRI-FLOW SUPERIOR LUBRICANT WITH TEFLON (AEROSOL) TRIFLOW	U/G	W-170/S400 "Core Storage" Room	5	3.75	Lb	0.75	Lb		Not Available		X				Y
W1517	SPRAY LUBRICANT (AEROSOL)	U/G	U/G, S-700 Connex	6	0.7	Lb	0.1	Lb		Not Available		X				Y

**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

---

**Table B-3 - Purchased Chemical Inventory Screening**

MSDS	Chemicals Product Name	Bldg	Storage Area	Q3_2007 On-Hand Container Count	Total On-Hand Lb/Gal Equivalent Value	Lb/Gal Resultant Unit	Container Lb/Gal Equiv Value	Lb/Gal Resultant Unit	NFPA Health	NFPA Health Rate 2 or Less	Common Public Use	Lab Scale Qty	Low Dispersibility	Cryogenic	Physical State	Screens (Y/N)
W1517	SPRAY LUBRICANT (AEROSOL)	U/G	N-460/E-140 Tool Crib	1	0.1	Lb	0.1	Lb		Not Available		X				Y
W1517	SPRAY LUBRICANT (AEROSOL)	U/G	W-30,S-3080/S-3310 Welding Shop	1	0.1	Lb	0.1	Lb		Not Available		X				Y
W1517	SPRAY LUBRICANT (AEROSOL)	U/G	W-170/S400 "Core Storage" Room	1	0.1	Lb	0.1	Lb		Not Available		X				Y
W1563	WESTERN LEAK DETECTION COMPOUND LT-100 (LT-100K, LT-200 (LEAK TEST)	U/G	E-300 Shop (3rd alcove	1	3.1E-02	Gal	3.1E-02	Gal		Not Available		X				Y
W1645.1	CARBON STEEL HR & CR LEADED CARBON	U/G	W-170/S-1750 cart pass alcove	10K		Lb	0	Lb		Not Available		X				Y
W2058	ORIGIANAL CONTACT CEMENT (DAP WELDWOOD ORIGINAL CONTACT CEMENT)	U/G	E-300 Shop (2nd alcove)	1	1	Gal	1	Gal		Not Available	X	X				Y
W2459	WATER BASED DECORATOR ENAMELS (40A8) (AEROSOL)	U/G	N-460/E-140 Tool Crib	1	0.875	Lb	0.875	Lb		Not Available	X	X				Y
W2687	CHEMPLEX 1381	U/G	E-300 Shop (3rd alcove	2	1	Lb	0.5	Lb		Not Available		X				Y
W2853.1	SELIG LECTRON PLUS #8672 (AEROSOL)	U/G	W-170/S400 "Core Storage" Room	1		Lb	0	Lb		Not Available		X				Y
W2945	INDUSTRIAL ENAMEL (CATERPILLAR YELLOW) (ULTRA DEEP BASE)	U/G	N-460/E-140 Tool Crib	1		Gal	0	Gal		Not Available	X					Y
W2982.1	ULTRA FINE MARKING CHALK (CONCENTRATED (COLOR) INDICATOR MARKING CHALK BLUE)	U/G	W-30,S-3080/S-3310 Welding Shop	3	2.25	Lb	0.75	Lb		Not Available		X				Y
W3011	D-5665NS AVIONICS CONTACT CLEANER (AEROSOL)	U/G	N-460/E-140 Tool Crib	6	4.5	Lb	0.75	Lb		Not Available		X				Y
W3011	D-5665NS AVIONICS CONTACT CLEANER (AEROSOL)	U/G	E-300 Shop (3rd alcove	2	1.5	Lb	0.75	Lb		Not Available		X				Y
W3011	D-5665NS AVIONICS CONTACT CLEANER (AEROSOL)	U/G	W-170/S400 "Core Storage" Room	1	0.75	Lb	0.75	Lb		Not Available		X				Y
W3094	METAL MARKING CV YELLOW LF/DALO TEXPEN/DYKEM(METAL MARKER PAINT PEN)	U/G	N-460/E-140 Tool Crib	13	13	Each	1	Each		Not Available	X					Y
W3101	SILVER GRADE ANTI-SEIZE LUBRICANT (ANTI SEIZE)	U/G	E-300 Shop (2nd alcove)	1	6.2E-02	Gal	6.2E-02	Gal		Not Available		X				Y
W3102	DUPONT ACRYLIC SPRAY ENAMEL 900P WHITE(CORLARA)	U/G	N-460/E-140 Tool Crib	2	0.2	Gal	9.2E-02	Gal		Not Available		X				Y
W3102	DUPONT ACRYLIC SPRAY ENAMEL 900P WHITE(CORLARA)	U/G	E-300 Shop (2nd alcove)	1	9.2E-02	Gal	9.2E-02	Gal		Not Available		X				Y

**U.S. Department of Energy Waste Isolation Pilot Plant  
Emergency Planning Hazards Survey Report  
WP 12-RP.01, Rev. 3**

---

**Table B-3 - Purchased Chemical Inventory Screening**

MSDS	Chemicals Product Name	Bldg	Storage Area	Q3_2007 On-Hand Container Count	Total On-Hand Lb/Gal Equivalent Value	Lb/Gal Resultant Unit	Container Lb/Gal Equiv Value	Lb/Gal Resultant Unit	NFPA Health	NFPA Health Rate 2 or Less	Common Public Use	Lab Scale Qty	Low Dispersibility	Cryogenic	Physical State	Screens (Y/N)
X0013	MONOMID (HI-BUILD, INTERMEDIATE WHI56E PTB, WATER BASE EPOXY PART A&B)	U/G	U/G Q Alcove SEGA-MEGA Clean Room	2	0.4	Gal	0.2	Gal		Not Available		X				Y
X0013	MONOMID (HI-BUILD, INTERMEDIATE WHI56E PTB, WATER BASE EPOXY PART A&B)	U/G	U/G Q Alcove SEGA-MEGA Clean Room	2	4	Gal	2	Gal		Not Available		X				Y
X0022	VACSEAL (HIGH VACUUM LEAK SEALANT)	U/G	U/G Q Alcove SEGA-MEGA Clean Room	1	0.2	Lb	0.2	Lb		Not Available		X				Y
W1158	EXTRA STRENGTH CSP CLEANER	Various	Various	1	0.25	Gal	0.25	Gal	3			X				Y
W1148.3	HIL-TREAT DUST MOP TREATMENT (AEROSOL)	Various	Various	10	11.25	Lb	1.125	Lb	2	X	X	X				Y
W2648	FLOOR CONDITIONER AND NEUTRALIZER #729	Various	Various	2	2	Each	1	Each	2	X						Y
W2720	DEVASTATOR	Various	Various	1	1	Gal	1	Gal	2	X		X				Y
W2856	LEMON FURNITURE POLISH (AEROSOL)	Various	Various	4	4.5	Lb	1.125	Lb	2	X	X	X				Y
W3116	RE-JUV-VAL (REJUVNAL/REJUVINAL)	Various	Various	2	2	Gal	1	Gal	2	X		X				Y
W1059	CITRUS-SCRUB	Various	Various	3	3	Gal	1	Gal	1	X	X	X				Y
W1167	LYSOL BRAND II DISINFECTANT SPRAY - ALL SCENTS (AEROSOL)	Various	Various	4	4.75	Lb	1.2	Lb	1	X	X	X				Y
W1775	SIMPLE GREEN INDUSTRIAL CLEANER AND DEGREASER	Various	Various	1	1	Gal	1	Gal	1	X	X	X				Y
W2657	ENDEAVOUR	Various	Various	4	4	Gal	1	Gal	1	X		X				Y
W2822	ARSENAL WINDO CLEAN + CONCENTRATE	Various	Various	4	1	Gal	0.25	Gal	1	X	X	X				Y
W2838	PURINEL (WITH DBQ FOR THE AUTO CLEAN)	Various	Various	1	0.7	Lb	0.7	Lb	1	X	X	X				Y
W1399	H.R. 2000	Various	Various	2	2	Gal	1	Gal	0	X		X				Y
W1401	HILLYARD LOTION SOAP	Various	Various	3	0.9	Lb	0.3	Lb	0	X	X	X				Y
W0211	CLOROX REGULAR BLEACH (WAS ULTRA CLOROX REGULAR BLEACH)	Various	Various	7	5.25	Gal	0.75	Gal		Not Available	X	X				Y
W0001	ABSORB-N-DRY (FULLER'S EARTH-MONTMORILLONITE)	Vehicle	Brush Truck	1	40	Lb	40	Lb	1	X		X				Y
W0001	ABSORB-N-DRY (FULLER'S EARTH-MONTMORILLONITE)	Vehicle	Hazmat Trailer	1	40	Lb	40	Lb	1	X		X				Y
W0001	ABSORB-N-DRY (FULLER'S EARTH-MONTMORILLONITE)	Vehicle	Rescue Truck	1	40	Lb	40	Lb	1	X		X				Y

U.S. Department of Energy Waste Isolation Pilot Plant  
 Emergency Planning Hazards Survey Report  
 WP 12-RP.01, Rev. 3

---

**Table B-3 - Purchased Chemical Inventory Screening**

MSDS	Chemicals Product Name	Bldg	Storage Area	Q3_2007 On-Hand Container Count	Total On-Hand Lb/Gal Equivalent Value	Lb/Gal Resultant Unit	Container Lb/Gal Equiv Value	Lb/Gal Resultant Unit	NFPA Health	NFPA Health Rate 2 or Less	Common Public Use	Lab Scale Qty	Low Dispersibility	Cryogenic	Physical State	Screens (Y/N)
W0948	GASOLINE, UNLEADED	Vehicle	Rescue Truck	1	1	Gal	1	Gal	1	X	X	X				Y
W0901	SPILL-X-A AGENT	Vehicle	Hazmat Trailer	1	5	Gal	5	Gal		Not Available		X				Y
W2511	SPILL-X-C (CAUSTIC NEUTRALIZER, ANSUL #GEN323)	Vehicle	Hazmat Trailer	1	5	Gal	5	Gal		Not Available		X				Y
W2525	SPILL-X-S AGENT (SOLVENT ABSORBENT, ANSUL #GEN324) (NON-HAZARDOUS)	Vehicle	Hazmat Trailer	1	5	Gal	5	Gal		Not Available		X				Y
W0274	DIESEL FUEL, NO. 1 FUEL OIL	Yard	U/G Fuel Storage Tanks	4668	4668	Gal	4668	Gal	2	X	X					Y
W0948	GASOLINE, UNLEADED	Yard	U/G Fuel Storage Tanks	5762	5762	Gal	6195	Gal	1	X	X					Y