

4608

LIBRARY COPY

SPILL PREVENTION CONTROL AND COUNTERMEASURE PLAN

ABOVEGROUND STORAGE TANKS PULSED X-RAY SOURCE DEVELOPMENT, TEST, AND MAINTENANCE FACILITY TA-3-316

Los Alamos National Laboratory

Prepared By:
Merrick Engineers & Architects
600 Sixth St.
Los Alamos, NM 87544
(505) 662-0606

In Conjunction with
Los Alamos National Laboratory
Water Quality and Hydrology Group (ESH-18)

Revision 1: February 2002



15985

TABLE OF CONTENTS

Table of Contents.....	i
Certification and Approval.....	ii
Plan Review Page.....	iv
1. INTRODUCTION.....	1
1.1. DEFINITIONS.....	1
1.2. FACILITY DESCRIPTION.....	1
1.3. FACILITY OWNER/OPERATOR	1
1.4. SPILL HISTORY AND POTENTIAL SPILLS.....	1
2. ABOVEGROUND STORAGE TANKS AND SECONDARY CONTAINMENT	3
2.1. INTEGRITY TESTING AND INSPECTIONS	3
2.2. FAIL SAFE ENGINEERING	4
2.3. FACILITY TRANSFER OPERATIONS	4
3. SPCC PLAN REQUIREMENTS	6
3.1. INSPECTIONS, RECORD KEEPING AND PLAN AMENDMENTS	6
3.2. SECURITY	6
3.3. TRAINING	6
3.4. SPILL RESPONSE & REPORTING.....	7
Appendix A	Inspection Form and Completed Inspections
Appendix B	Spill Records
Appendix C	Miscellaneous Information
Appendix D	Employee Training Records
Appendix E	Facility Owner/Operator and Contacts
Appendix F	Certification of the Applicability of the Substantial Harm Criteria

CERTIFICATION

This Plan was developed pursuant to provisions of the federal regulation for oil pollution prevention for bulk storage facilities - 40 CFR Part 112. Its purpose is to provide spill prevention and response measures to prevent the pollution of navigable waters from oil related spills.

In accordance with 40 CFR Part 112.3 (d), this plan has been reviewed and certified by a Registered Professional Engineer (PE). By means of this certification, the engineer, having examined the facility and being familiar with the provisions of this regulation, verifies that this Plan has been prepared in accordance with good engineering practices.

Certified by: Michael E. Smith
Michael Smith
Registered Professional Engineer

Date: 2/28/2002



Management Approval

In accordance with 40 CFR Part 112.7, this plan has the full approval of management at a level with authority to commit the necessary resources.

Approved By: James W. Ogle Date: 2/28/02
James W. Ogle, DSA, Group Leader

Reviewed By: David Riker Date: 2/28/02
David Riker, Facility Manager - FMU 77

Reviewed By: Harvey Decker Date: 2-28-02
Harvey Decker, DX-DO/ESH-18, ES&H Generalist

1. INTRODUCTION

The Spill Prevention Control and Countermeasure (SPCC) Plan is a requirement of the Oil Pollution Prevention regulation, 40 CFR Part 112. Its intention is to prevent oil related spills from polluting navigable waters of the U.S. through the implementation of adequate prevention and response measures. This Plan has been developed to meet regulatory requirements under the jurisdiction of the United States Environmental Protection Agency (EPA) and surface water protection requirements established by the New Mexico Environment Department (NMED).

1.1. Definitions

See the latest edition of 40 CFR Part 112.2 or check the following web address;
http://www.access.gpo.gov/nara/cfr/waisidx_00/40cfr112_00.html.

1.2. Facility Description

This SPCC Plan addresses the three Aboveground Storage Tanks (ASTs) at TA-3-316, Pulsed X-Ray Source Development, Test, and Maintenance Facility. A Marx Generator, Water Pulse Forming Line, Water Coax Line, and a three-cell Inductive Voltage Adder (IVA) Skid form the pulse-power high-voltage energy storage and delivery system. These units, in conjunction with three aboveground storage tanks (ASTs) form a closed-loop transfer system contained inside the building. The 4522 ft² building is comprised of a single concrete slab floor with the major operational components of the facility located in a single high-bay type room. Secondary containment is provided for both the ASTs and the equipment. The facility is located to the north of Pajarito Canyon which drains east to the Rio Grande approximately 10 miles away.

1.3. Facility Owner/Operator

FMU 77 Facility Management has responsibility for building TA-3-316 and the surrounding area. DX-7 performs operations within TA-3-316 through a tenant-landlord agreement.

The DX-7 line management shall:

- Develop, implement, and maintain the SPCC Plan.
- Amend the SPCC Plan as appropriate.
- Ensure that employees involved in operation procedures are properly trained.
- Prepare and maintain records of training activities.
- Ensure that containment structures and spill control equipment, such as spill kits, absorbents, or booms, are appropriate for the materials used and adequate quantities are maintained.
- Conduct walk-around inspections and follow-up corrective action to remedy inadequacies.
- Ensure adequate record keeping procedures.
- Report any spills to the FMU 77 Facility Manager.
- Ensure all spilled and absorbent materials are appropriately disposed in accordance with LANL, State and Federal Waste Management Requirements.

The FMU 77 Facility Manager shall:

- Ensure that an approved SPCC Plan exists for all applicable operations in the FMU.
- Review the SPCC and any proposed changes to assure that it meets facility expectations.
- Report any reportable spills through the occurrence reporting process.

1.4. Spill History and Potential Spills

There have been no reportable oil spills at the TA-3-316 facility.

Potential spills and a prediction of their discharge quantity and direction include:

- A rupture or leak of all three ASTs could discharge 3,800 gallons to the containment area, with approximately 100 gallons remaining in each of the tanks.
- A rupture or leak in the transfer piping could discharge a minimal amount of oil to the containment area. The piping contains oil only during supervised transfer operations.
- A rupture or leak in the Marx Generator could discharge 3,300 gallons into the containment area.

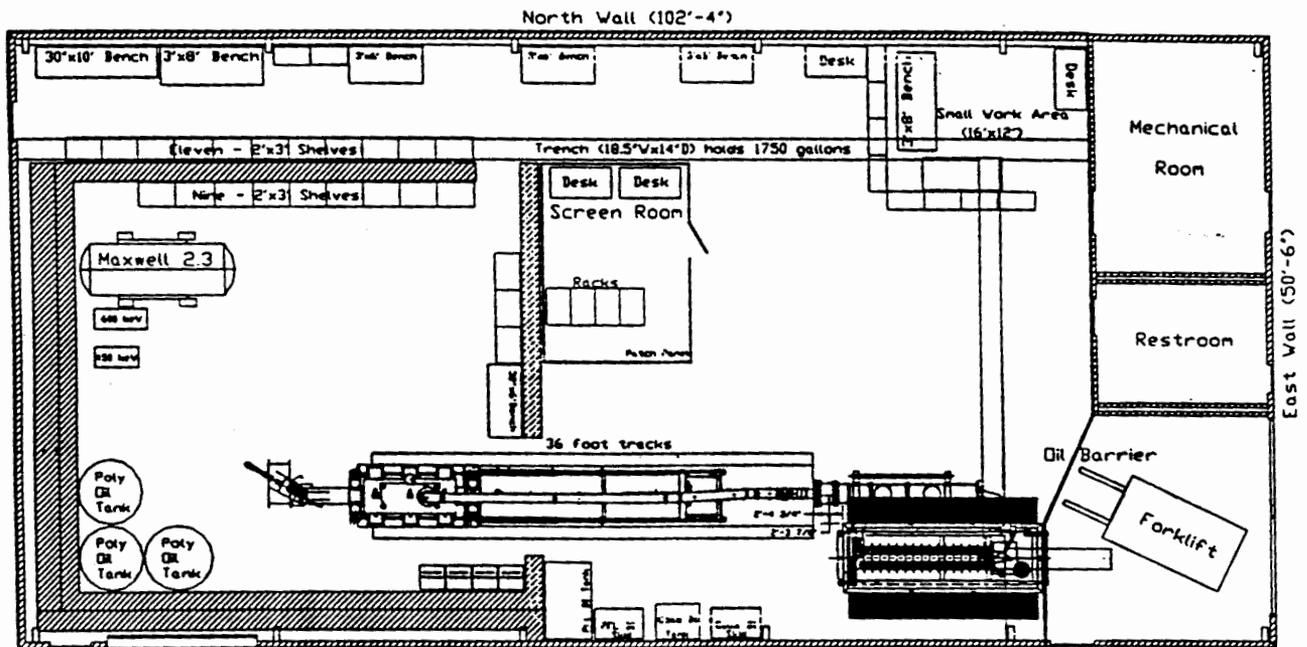
2. ABOVEGROUND STORAGE TANKS AND SECONDARY CONTAINMENT

Appropriate containment and/or diversionary structures, such as berms, are in place at the TA-3-316 facility. As the facility is located entirely indoors, there are no facility drainage issues.

The three ASTs are industrial grade polyethylene tanks compatible with oil storage. Each AST has a capacity of 1,500 gallons, and collectively the ASTs provide approximately 3,900 gallons of oil to the equipment. Of these 3,900 gallons, approximately 200 gallons of oil will remain in each tank during normal operations, and the Marx Generator will hold the remaining approximate 3,300 gallons. The ASTs will only be full when the Marx generator is being serviced and the oil needs to be removed. The tanks are permanently attached to the Marx generator through a common pipe that branches to the individual tanks. Each branch has individual valves and an anti-siphon air break to each tank.

The secondary containment for both the tanks and the generator is a 6-inch high steel and concrete berm around the North, West, and South sides of the building as shown by the heavy lines in Figure 1. The East side of the facility has a 2.25" high polyurethane Spillblocker Rough Surface Dike. A concrete trench on the north and east sides of the facility has a 1,750-gallon secondary containment capacity. The floor area of the building would fill to a depth of approximately 0.5" if all the oil were lost. There is no drainage outlet or valve for the containment and trenches. There are no buried or partially buried tanks at the facility.

Figure 1. ASTs and Pulsed Power System in TA-3-316.



2.1. Integrity Testing and Inspections

40 CFR Part 112, Section 7(2)(vi) states, "Aboveground tanks should be subject to periodic integrity testing, taking into account tank design and using such techniques as hydrostatic testing, visual inspection or a system of non-destructive shell thickness testing." Integrity testing incorporates both visual and internal inspection to determine the structural integrity of a storage tank, its associated piping, and its support structures.

In accordance with API 653, a formal visual external inspection shall be performed by a qualified inspector at least every five years. Either an in-service ultrasonic thickness measurement shall be made at intervals not to exceed every five years, or an internal inspection of the tank shall be made at intervals not to exceed 20 years.

Records of integrity testing shall include all examinations and tests, conditions found, thickness measurements, settlement measurements, repairs/alterations, and recommendations. Inspection records are retained in Appendix B of this document in accordance with Section 3.1.

In addition to the integrity testing of the AST, walk around inspections and spill control material inventories to be performed are outlined below.

WALK AROUND INSPECTIONS: Walk-around inspections are monthly visual inspections conducted by a DX-7 line manager. These inspections are recorded and retained in Appendix A in accordance with Section 3.1. Any leaks or potential problems shall be brought to the attention of the Field Operator's staff to evaluate the need for response and make any necessary corrections.

Aboveground Storage Tanks: The AST shall undergo monthly visual walk-around inspections to observe the conditions of the tank shells, tank content volumes, foundations and supports, piping, secondary containment, pumps, valves, oil, ground wires, sumps, gauges, and general good housekeeping practices.

Marx Generator: The Marx Generator and the facility in which it is housed shall undergo monthly visual walk-around inspections to observe changes in the conditions of gaskets, secondary containment, any previously identified leaks, new leaks, and potential problems.

SPILL CONTROL MATERIAL INVENTORY

Spill control material stores shall be inventoried annually to assure that the proper materials are available in sufficient quantity and of sufficient quality to minimize the spread of oil products in the case of a spill prior to the arrival of response teams. Two spill kits (in blaze yellow cordura bags) are located inside the building across from the control room approximately 12 feet north of the Marx tank.

General operator observations are also made by employees involved in the material handling and system operation of an SPCC location. Operator observation involves a check for leaks, secondary containment condition, and the general safety condition of the site. Records of these inspections are not kept unless a problem is found. In the event of a problem, the deficiency is documented and corrective action is taken.

2.2. Fail Safe Engineering

Internal heating coils are not used. The ASTs are translucent and the oil level can be monitored in each tank as they are filled. There is a high level switch for oil transfers to the equipment that will automatically shut off the oil pump and will be regularly tested to insure proper operation.

There are no discharge facilities. Visible oil leaks will be promptly corrected. The leak and corrective actions will be recorded in Appendix B.

2.3. Facility Transfer Operations

The transfer piping is schedule 80 PVC and flexible oil line hose. There are no pipe supports. All pipes are located within secondary containment. There is no buried or out of service piping for this facility. Aboveground pipe and valves will be inspected monthly. Vehicles will be verbally warned about the presence of aboveground piping.

Oil is transferred to the ASTs infrequently when the Marx Generator is being serviced and the oil needs to be removed. The Marx Tank transfer system consists of a pump, pump controls, Cuno filtration system, valving, and piping. As described in a facility Hazard Control Plan (HCP), the appropriate valves are unlocked and opened during transfer operations and the exterior Marx-mounted pump is started. When the operation is complete, the pump is turned off, and the valves are closed and locked. To control the volume in the tanks during transfers, all ASTs are filled in parallel and collectively have greater capacity than the Marx generator. The Marx Tank is filled from one AST at a time and incorporates a high level switch that will automatically shut off the oil pump. All valves can be locked such that untrained personnel cannot inadvertently override the intent of the operator. This facility is not a tank car or tank truck loading and unloading facility.

3. SPCC PLAN REQUIREMENTS

The FM is accountable for SPCC requirements applicable to his or her facility and has responsibility for developing, implementing, enforcing, and maintaining the SPCC Plan requirements. The FM may delegate these duties to a qualified individual. The Operating Group's responsibilities include ensuring that recordkeeping, Plan amendments, training, spill response and reporting, and inspections are properly completed and submitted to the FM. The complete SPCC Plan shall be located at building TA-3-316.

3.1. Inspections, Record Keeping and Plan Amendments

Written inspection procedures are included in Section 2.1. Inspection records state when inspections were done, who conducted the inspection, what areas were inspected, what problems were found, what steps were taken to correct problems, and who was notified about any problems found. The inspection will be signed by the appropriate supervisor or inspector. A sample inspection form is included in Appendix A.

In the event of a spill, the spill tracking form will be used to describe the spill, corrective actions taken, and plans for preventing recurrence. If the spill causes a change in design, construction, operation, or maintenance, this Plan will be amended as necessary. A spill tracking form is included in Appendix B, and copies of spill reports will be retained in Appendix B.

Signed inspection records, integrity text records, spill reports, and other applicable data and documentation will be kept with the Plan and retained for a period of three years.

The SPCC Plan will be amended whenever there is a change in facility design, construction, operation or maintenance that materially affects the facility's potential for the discharge. Such amendments shall be fully implemented as soon as possible, but not later than six months after such change occurs. At a minimum, this SPCC Plan will be reviewed and updated every three years. These amendments will be certified by a Professional Engineer. Amendments that do not reflect a change in facility design, construction, operation or maintenance that materially affects the facility's potential for the discharge do not need to be certified by a Professional Engineer.

3.2. Security

The ASTs are located within building TA-03-316. Doors are locked during non-working hours, and access to the building, equipment, and starter controls is restricted to authorized personnel. Master flow and drain valves of tanks will be padlocked closed. There are no out of service pipelines or loading/unloading connections. Lighting at the facility is adequate for spill detection.

3.3. Training

Facility owners and operators are responsible for properly instructing their personnel in the operation and maintenance of equipment to prevent the discharge of oil. Employee training programs instill in personnel, at all levels of responsibility, a complete understanding of the following:

- operations and maintenance of equipment
- the SPCC program
- procedures for operator observation inspections
- site safety hazards
- practices for preventing spills
- procedures for responding properly and rapidly to spills
- protocol used to report spills
- spill events or failures, malfunctioning components, and recently developed precautionary measures
- additional applicable pollution control laws, rules, and regulations

3. SPCC PLAN REQUIREMENTS

The FM is accountable for SPCC requirements applicable to his or her facility and has responsibility for developing, implementing, enforcing, and maintaining the SPCC Plan requirements. The FM may delegate these duties to a qualified individual. The Operating Group's responsibilities include ensuring that recordkeeping, Plan amendments, training, spill response and reporting, and inspections are properly completed and submitted to the FM. The complete SPCC Plan shall be located at building TA-3-316.

3.1. Inspections, Record Keeping and Plan Amendments

Written inspection procedures are included in Section 2.1. Inspection records state when inspections were done, who conducted the inspection, what areas were inspected, what problems were found, what steps were taken to correct problems, and who was notified about any problems found. The inspection will be signed by the appropriate supervisor or inspector. A sample inspection form is included in Appendix A.

In the event of a spill, the spill tracking form will be used to describe the spill, corrective actions taken, and plans for preventing recurrence. If the spill causes a change in design, construction, operation, or maintenance, this Plan will be amended as necessary. A spill tracking form is included in Appendix B, and copies of spill reports will be retained in Appendix B.

Signed inspection records, integrity text records, spill reports, and other applicable data and documentation will be kept with the Plan and retained for a period of three years.

The SPCC Plan will be amended whenever there is a change in facility design, construction, operation or maintenance that materially affects the facility's potential for the discharge. Such amendments shall be fully implemented as soon as possible, but not later than six months after such change occurs. At a minimum, this SPCC Plan will be reviewed and updated every three years. These amendments will be certified by a Professional Engineer. Amendments that do not reflect a change in facility design, construction, operation or maintenance that materially affects the facility's potential for the discharge do not need to be certified by a Professional Engineer.

3.2. Security

The ASTs are located within building TA-03-316. Doors are locked during non-working hours, and access to the building, equipment, and starter controls is restricted to authorized personnel. Master flow and drain valves of tanks will be padlocked closed. There are no out of service pipelines or loading/unloading connections. Lighting at the facility is adequate for spill detection.

3.3. Training

Facility owners and operators are responsible for properly instructing their personnel in the operation and maintenance of equipment to prevent the discharge of oil. Employee training programs instill in personnel, at all levels of responsibility, a complete understanding of the following:

- operations and maintenance of equipment
- the SPCC program
- procedures for operator observation inspections
- site safety hazards
- practices for preventing spills
- procedures for responding properly and rapidly to spills
- protocol used to report spills
- spill events or failures, malfunctioning components, and recently developed precautionary measures
- additional applicable pollution control laws, rules, and regulations

Employee training is conducted at least annually, and more often when needed, to ensure adequate understanding of the goals and objectives of the SPCC program and the individual responsibilities of each involved employee. Topics may also be covered during routine employee meetings. Training activities are documented in accordance with LANL's Training Standard LS113-09.0, *Training Documentation*, in the Employee Development System (EDS), which automatically tracks the annual retraining dates, and/or in Appendix D of the SPCC Plan. Informal briefings are documented by recording the attendance and maintaining the meeting roster in Appendix D. These meetings are not recorded in EDS.

3.4. Spill Response & Reporting

To achieve effective spill response, employees receive training in response procedures. Personnel involved with facility operations are instructed on safety precautions, initial spill response procedures, and how to use available spill cleanup materials. The DX-7 line manager is the designated person responsible for oil spill prevention at the facility, including training programs and spill control equipment. In addition to annual training, periodic spill prevention briefings will be conducted.

In the event of a spill, DX-7 will notify the FMU 77 Facility Manager and will provide the FM with a copy of the completed spill report. The LANL Emergency Management & Response (EM&R) Office will be notified if a spill cannot be easily controlled with the materials on hand, threatens to escape the facility or enter the environment, additional resources are needed, an unidentified hazard exists, injuries have occurred, fire protection is needed, or if operational or facility personnel are not adequately trained in the use of spill control equipment or are not confident in their ability to carry out spill response activities. They may also be notified if the DX Officer/Facility Manager Designee (FMR) determines that the situation warrants such action. EM&R, which has been appointed by the Laboratory Director as the organization responsible for emergency management at LANL, may be contacted at 667-6211 or, after hours, at 667-7080. In such an event, the 24-hour on-call Facility Manager Designee (FMD) must also be notified at 104-4444. *If fire or explosion is present, or if the potential for such exists, the situation must be reported by dialing 911 or activating a fire pull box.*

Spills shall be reported in accordance with LANL LIR 402-130-01.0, Abnormal Events. Spill events in excess of one quart will also be documented in Appendix B of the SPCC Plan. Required LANL spill reports will be completed by the organization responsible for overseeing site operations, and copies of the reports will be maintained by both the responsible organization and the LANL Water Quality & Hydrology Group, ESH-18. The federal reporting of spill events is the responsibility of ESH-18, and the determination for such notification will be made by ESH-18 and the EM&R Office in accordance with Laboratory and DOE policies and federal and state regulatory reporting requirements.

Appendix A

Inspection Form and Completed Inspections

Los Alamos

Los Alamos National Laboratory

Los Alamos, New Mexico 87545

WALK-AROUND INSPECTION FORM

ABOVEGROUND TANKS
ASSOCIATED PIPING &
MARX GENERATOR

General Site Information

Inspection Date:		Inspector:	
Technical Area:		Structure #:	
Tank Contents:		Capacity Tank:	
Adequate lighting:	Yes <input type="checkbox"/> No <input type="checkbox"/>	Is facility fenced?	Yes <input type="checkbox"/> No <input type="checkbox"/>

Storage Unit Condition

Describe general condition of tank and support structure, valves, and/or piping (signs of rust, leakage, tank residing in water, cracks in foundation, no labels, etc.):	
Any change in tank content's volume?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Grounding Wires:	Adequate <input type="checkbox"/> Inadequate <input type="checkbox"/> N/A <input type="checkbox"/>
Level Gauge:	Adequate <input type="checkbox"/> Inadequate <input type="checkbox"/> N/A <input type="checkbox"/>
Liquid Level Alarm System:	Adequate <input type="checkbox"/> Inadequate <input type="checkbox"/> N/A <input type="checkbox"/>
Foundation Condition:	Good <input type="checkbox"/> Poor <input type="checkbox"/> N/A <input type="checkbox"/>
Flanges, Valves, Nozzles and Piping:	Good <input type="checkbox"/> Poor <input type="checkbox"/> N/A <input type="checkbox"/>
Ladders or Stairs:	Good <input type="checkbox"/> Poor <input type="checkbox"/> N/A <input type="checkbox"/>
Transfer Pump:	Good <input type="checkbox"/> Poor <input type="checkbox"/> N/A <input type="checkbox"/>

Secondary Containment Condition

Describe general condition of containment unit (storm water accumulation, presence of oil or other material, signs of damage, leaks, cracks, erosion, status/condition of discharge valve, etc.):	
Storm water discharge valve:	Locked <input type="checkbox"/> Unlocked <input type="checkbox"/> No valve <input type="checkbox"/>
Sump? (if yes, describe in comments below):	Yes <input type="checkbox"/> No <input type="checkbox"/>
Containment liner (for earthen berms):	Good <input type="checkbox"/> Poor <input type="checkbox"/> No liner <input type="checkbox"/>
Storm Water Accumulation in Containment Unit:	Yes <input type="checkbox"/> No <input type="checkbox"/>
Oil accumulation in dike or collection sump:	Yes <input type="checkbox"/> No <input type="checkbox"/>

Marx Generator Condition

Describe general condition of Marx Generator (changes in the conditions of gaskets; any previously identified leaks, new leaks and potential problems; secondary containment condition; etc.):	
--	--

Comments:
Items Requiring Corrective Actions:
Corrective actions taken (give dates):

Date:

Appendix B

Spill Records

Appendix C

Miscellaneous Information

ELECTRICAL INSULATING OIL MSDS

SUBSTANCE: UNIVOLT N 61

CAS NUMBER: 64742-53-6

APPEARANCE: clear

COLOR: colorless

PHYSICAL FORM: liquid

ODOR: petroleum odor

EXPOSURE LIMITS:

This substance regulated by OSHA and/or ACGIH.

FIRE AND EXPLOSION HAZARDS:

FLASH POINT: 293 F (145 C) Slight fire hazard. Do not smoke when using this product or handle near an open flame or sparks. If it catches fire, do not try to stop the fire yourself. Seek the help of fire fighting personnel.

EXTINGUISHING MEDIA: regular dry chemical, carbon dioxide, water, regular foam

Large fires: Use regular foam or flood with fine water spray.

POTENTIAL HEALTH EFFECTS:

INHALATION:

SHORT TERM EXPOSURE: no information on significant adverse effects

LONG TERM EXPOSURE: no information on significant adverse effects

SKIN CONTACT:

SHORT TERM EXPOSURE: irritation, skin disorders

LONG TERM EXPOSURE: same as effects reported in short term exposure, cancer

EYE CONTACT:

SHORT TERM EXPOSURE: no information on significant adverse effects

LONG TERM EXPOSURE: no information is available

INGESTION:

SHORT TERM EXPOSURE: digestive disorders

LONG TERM EXPOSURE: no information is available

FIRST AID:

Remove from exposure. Use a bag valve mask or similar device to perform artificial respiration (rescue breathing) if needed. Remove contaminated clothing, jewelry, and shoes immediately. Wash with large amounts of water until no evidence of chemical remains (at least 15-20 minutes). If vomiting occurs, keep head lower than hips to help prevent aspiration. Get medical attention.

REACTIVITY:

Stable at normal temperatures and pressure.

INCOMPATIBLE SUBSTANCES:

Oxidizing materials

SPILL AND LEAK:

Stop leak if possible without personal risk. Small spills: Absorb with sand or other non-combustible material. Collect spilled material in appropriate container for disposal. Keep unnecessary people away, isolate hazard area and deny entry.

SAFETY STEPS AND PROTECTIVE EQUIPMENT:

Protective clothing, gloves, and/or safety goggles may be necessary. A respirator may be needed when working in high or unknown concentrations. See MSDS for recommendations. If an accident occurs, contact safety personnel.

MDL Information Systems, Inc
EMERGENCY TELEPHONE NUMBER: 1-800-424-9300 USA

CATALOG > Spill Control > PIG® Spill Barriers >
SPILLBLOCKER® Rough Surface Dike

SPILLBLOCKER® Rough Surface Dike

Disposable dike is perfect for one-time spill cleanup!

Super-tacky bottom -conforms and adheres to most rough surfaces: brushed concrete, blacktop, etc.

Weights less than 20 lbs. - easy to handle and deploy

2-1/4" high- contains spills up to 2" deep

If you've ever had a spill in your parking lot, you know that ordinary spill barriers don't keep liquids from seeping underneath. Our SPILLBLOCKER® Rough Surface Dike will solve that problem for you! Here's how: the urethane Dike has a super-sticky bottom

Contents Include:

1- 10'L x 2"W x 2-1/4"H SPILLBLOCKER® Rough Surface Dike with Tacky Bottom

1 - connector

1 - yellow disposal bag

Note: SPILLBLOCKER® Rough Surface Dike is intended for one-time use only.



Product Code	Product Name	Dimensions
PLR230	SPILLBLOCKER® Rough Surface Dike	10 ft. L x 2 in. W x 2-1/4 in. H • 15 lbs.

[Click here to register!](#)

Appendix D

Employee Training Records

Appendix E

Facility Owner/Operator and Contacts

Facility Owner

Physics Division Facility Management (FMU 77)
University of California (UC)
Los Alamos National Laboratory
Los Alamos, NM 87545

Facility Owner Contacts

<i>Name</i>	<i>Phone</i>	<i>Pager</i>	<i>Title</i>
David Riker	667-9008		FMU-77 Facility Manager
Walter Atencio	665-3374	104-2878	ES&H Generalist

Facility Operator

Dynamic Experimentation
Electronic Data Systems Group (DX-7)
University of California (UC)
Los Alamos National Laboratory

Facility Operator Contacts

<i>Name</i>	<i>Phone</i>	<i>Title</i>
James Ogle	667-3893	DX-7 Group Leader
Randolph Carlson	667-9754	DX-7 Project Leader
Harvey Decker	667-1616	DX-FM Environmental Generalist

Appendix F

Certification of the Applicability of the Substantial Harm Criteria

CERTIFICATION OF THE APPLICABILITY OF THE SUBSTANTIAL HARM CRITERIA

Facility Name: TA-3-316

Facility Address: TA-3-316

1. Does the facility transfer oil over water to or from vessels and does the facility have a total oil storage capacity greater than or equal to 42,000 gallons?

Yes No

2. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and does the facility lack secondary containment that is sufficiently large to contain the capacity of the largest aboveground oil storage tank plus sufficient freeboard to allow for precipitation within any aboveground oil storage tank area?

Yes No

3. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and is the facility located at a distance (as calculated using the appropriate formula in accordance with EPA 40 CFR 112, App. C) such that a discharge from the facility could cause injury to fish and wildlife and sensitive environments?

For further description of fish and wildlife and sensitive environments, see Appendices I, II, and III to DOC/NOAA's "Guidance for Facility and Vessel Response Plans: Fish and Wildlife and Sensitive Environments" and the applicable Area Contingency Plan.

Yes No

4. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and is the facility located at a distance (as calculated using the appropriate formula in accordance with EPA 40 CFR 112, App. C) such that a discharge from the facility would shut down a public drinking water intake?

Yes No

5. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and has the facility experienced a reportable oil spill in an amount greater than or equal to 10,000 gallons within the last 5 years?

Yes No

CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.

M. E. Smith
Name (please type or print)

M. E. Smith

Deputy Facility Manager
Title

2/28/2002