



# NORTH DAKOTA DEPARTMENT OF HEALTH NDPDES PROGRAM

## Construction Storm Water Pollution Prevention Plan Guidance Forms

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Use the following information as a checklist for developing the Storm Water Pollution Prevention Plan.

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A SWPPP must be prepared and implemented for all construction activities covered under NDR10-0000. A copy of the SWPPP must be submitted to the Dept. of Health for projects that involve 50 or more acres, or have a discharge point located within 2000 ft of, and flow to, a water body that is listed as impaired due to sediment or parameters associated with sediment transport.

## PROJECT DESCRIPTION

<b>Project Name</b>	Garden Creek Gas Plant
<b>Project Type</b>	Construction
<b>Project Location</b>	S 1/2, SE 1/4, Section 35, Township 151 North, Range 98 West
<b>Estimate of Project Size In Acres</b>	80

### Description of the Nature of Activity

Bear Paw Energy has proposed the construction of a gas processing plant at this location. The installation of the plant will include site preparations, interconnection with existing pipelines for product supply and new pipelines for take away transmission of product, above ground storage tanks for propane, natural gasoline, and other natural gas liquids constituents. Site infrastructure will include, fractionation plant, roads and walks, parking areas, control buildings, above ground storage vessels, wholesale product shipping and receiving racks, permanent groundcover, secondary containment structures (e.g.; berms), stormwater control structures (e.g.; drainage ditches and retention basins); ancillary appurtenant piping and perimeter fencing. A compressor station shall also be sited on the property.

### Description of Existing Soils, Fill Material, and Erodibility of Such Soils

The soils at the project site are comprised of six (6) different types, with the majority of the site mapped to be Belfield-Savage silty clay loams, ( 2 to 6 percent slopes) and moderately erodable (Kw 0.32), the remainder of the soils present are found in approximately equal percentages.

Belfield-Grail silty clay loams, 0 to 2 percent slopes (Kw 0.37); Daglum-Belfield complex, 0 to 6 percent slopes (Kw 0.32); Williams-Zahl loams, 6 to 9 percent slopes (Kw 0.28); and Williams-Bowbells loams, 3 to 6 percent slopes (Kw 0.28).

### Proposed Timetable for Construction Phases or Activities

- 1) September 2010 – October 2010: Site preparation, preliminary grading
- 2) October 2010 – December 2010: Installation of screw pilings, material receiving
- 3) December 2010 – March 2011: Installation of screw pilings, installation of minor concrete work, material receiving
- 4) March 2011 – May 2011: Foundation installation, building construction
- 5) May 2011 – November 2011: Facility tie-ins, plant commissioning
- 6) November 2011 – December 2011 : Operations commence
- 7) March 2012 – April 2012: Restoration complete

### Name of Receiving Waters or Municipal Separate Storm Sewer System (MS4)

The project area will not discharge to a MS4. The project site will be graded to drain to the south/ southwest into Cherry Creek a distance of 2,200 feet.

## SITE MAP DEVELOPMENT

The site map should be suitably scaled and drawn to show the following required information:

### MAP FEATURES

Use the following information as a checklist for developing the site map.

1.  Construction site boundaries and area(s) of soil disturbance.
2.  The location of springs, streams, wetlands, and other surface waters.
3.  The location of areas used for storage of building materials, soils, or waste materials.
4.  The locations of proposed and existing storm water controls.
5.  Storm water runoff/run on drainage patterns.
6.  Section, township, range, or street address.

## SIGNATORY CERTIFICATION

**INSTRUCTIONS:** The following statement shall be signed by a responsible corporate officer, general partner, principle executive officer or ranking elected official. The statement may be signed by a duly authorized representative of the person above in accordance with Part IV-E of the permit.

CERTIFICATION	
<p>"I <u>Lynn T. Reed</u>, certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.</p>	
<p>Printed Name of Applicant Lynn T. Reed, P.E.</p>	<p>Title Environmental Manager</p>
<p>Signature of Applicant <i>Attestation for Lynn T. Reed</i></p>	<p>Date 8/25/10</p>

## BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROL

**EROSION & SEDIMENT CONTROL PRACTICES:**

	<u>LOCATION(s)</u>	<u>STAGE OF INSTALLATION<sup>†</sup></u>
<input type="checkbox"/> Straw Bale Dikes	<u>TBD - as necessary</u>	<u>As necessary</u>
<input checked="" type="checkbox"/> Silt Fences	<u>down slope of exposed soil, spoil stock piles, and TBD</u>	<u>1 - as necessary</u>
<input type="checkbox"/> Rock Checks	<u>_____</u>	<u>_____</u>
<input type="checkbox"/> Brush Barriers	<u>_____</u>	<u>_____</u>
<input type="checkbox"/> Sediment Logs/Biorolls	<u>_____</u>	<u>_____</u>
<input type="checkbox"/> Geotextile Triangular Dikes	<u>_____</u>	<u>_____</u>
<input type="checkbox"/> Floating Silt Curtain	<u>_____</u>	<u>_____</u>
<input checked="" type="checkbox"/> Drain Inlet Protection	<u>001 both property interior and perimeter</u>	<u>4</u>
<input checked="" type="checkbox"/> Sediment Traps	<u>001 - as necessary</u>	<u>1 &amp; 2</u>
<input type="checkbox"/> Cut-Back Curb	<u>_____</u>	<u>_____</u>
<input checked="" type="checkbox"/> Stabilized Construction Access	<u>001 &amp; 002</u>	<u>1 &amp; 2</u>
<input checked="" type="checkbox"/> Terraces/Contours	<u>001, 003, &amp; 004</u>	<u>1, 2 &amp; 4</u>
<input checked="" type="checkbox"/> Drainage Swales	<u>001</u>	<u>1, &amp; 4</u>
<input type="checkbox"/> Pipe Slope Drains	<u>_____</u>	<u>_____</u>
<input type="checkbox"/> Temporary Drain Diversion/Berm	<u>_____</u>	<u>_____</u>
<input checked="" type="checkbox"/> Concrete Washout Area	<u>TBD</u>	<u>3</u>
<input type="checkbox"/> Flocculation Sock	<u>_____</u>	<u>_____</u>
<input checked="" type="checkbox"/> Stockpile Protection	<u>TBD</u>	<u>3 &amp; 4</u>
<input checked="" type="checkbox"/> Dewatering Bag	<u>TBD</u>	<u>2, 3, &amp; 4</u>
<input type="checkbox"/> Downspout Extensions	<u>_____</u>	<u>_____</u>
<input checked="" type="checkbox"/> Temporary Sediment Basins*	<u>001 &amp; 003 (see retention basins)</u>	<u>1</u>
<input checked="" type="checkbox"/> Outlet Drawdown Device**	<u>003</u>	<u>1</u>

\*Sediment basins must be provided, where practical, when 10 or more acres of disturbed area drain to a common location. Requirements for sediment basins may be found in Appendix 1 of the permit.

\*\*Outlet drawdown devices must be provided for all temporary or permanent basins. Devices that will be installed permanently must meet local design standards. Requirements for temporary devices may be found in Appendix 1 of the permit.

† Stage of installation may include the planned date or the specific construction stage when the item may be installed such as initial site clearing, grading, finish grading, seeding, stabilization, etc... Dates may change depending on delays.

## BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROL

**STABILIZATION PRACTICES:**

	<u>LOCATION(s)</u>	<u>STAGE OF INSTALLATION</u>
<input checked="" type="checkbox"/> Temporary Seeding	<u>TBD - generally beyond the battery limit, raw soils, spoil storage</u>	<u>1 &amp; 4</u>
<input checked="" type="checkbox"/> Mulching	<u>TBD - raw soils, spoil storage</u>	<u>1, 2, &amp; 3</u>
<input type="checkbox"/> Hydromulching	_____	_____
<input checked="" type="checkbox"/> Filter/Vegetative Strips	<u>001 - undeveloped eastern portion</u>	<u>1, 5, &amp; 7</u>
<input checked="" type="checkbox"/> Erosion Control Blankets	<u>001, 002, 003</u>	<u>1, 2, &amp; 3</u>
<input checked="" type="checkbox"/> Permanent Seeding	<u>001 - TBD</u>	<u>5 &amp; 7</u>
<input type="checkbox"/> Retaining Wall	_____	_____
<input checked="" type="checkbox"/> Tree/Shrub Planting	<u>001 - TBD</u>	<u>6</u>
<input checked="" type="checkbox"/> Sod Stabilization	<u>001 - TBD</u>	<u>6</u>
<input type="checkbox"/> Riprap Slopes	_____	_____
<input checked="" type="checkbox"/> Surface Roughening	<u>001</u>	<u>1 &amp; 2</u>
<input checked="" type="checkbox"/> Rock Outlet Protection	<u>001 &amp; 003</u>	<u>1</u>
<input type="checkbox"/> Concrete Outlet Protection	_____	_____

Additional Practices (Both E&SC and Stabilization):

Due to the amount of disturbance during construction, the Garden Creek plant will utilize two (2) sediment basins to collect stormwater runoff from the site. These basins will be designed of sufficient capacity to hold anticipated runoff, retain it long enough to allow suspended sediments to settle out, and control the discharge to minimize scouring. These basins will later be converted to stormwater retention basins for the developed portion of the project site.

Stormwater drainage ditches and retention ponds shall be stabilized with a gravel base on the bottom and erosion control blankets on banks. Outlets to these features shall be equipped with rip rap aprons for energy dispersion and scouring prevention.

All permanent surfaces (e.g.; gravel, pavement, or vegetation) shall be installed as soon as practicable during the construction sequence.

## OTHER BEST MANAGEMENT PRACTICES

Will any contaminated soils potentially be encountered:

Yes  No

If yes, please attach a description of the methods used for handling and disposing of the contaminated soils.

### Spill Prevention methods, post construction controls and site inspections/maintenance

Description of Spill Prevention and Response Procedures (e.g., Fueling, Maintenance, Staging Areas):

See attached spill plan

Description of Post Construction Controls (e.g. Detention/Retention Ponds, Constructed Wetlands):

The Garden Creek plant will install and maintain two (2) stormwater control features designed manage stormwater at this site. These control features will reduce sediment loads of stormwater discharges and control run-off velocities. The first feature will collect the stormwater from the developed plant site, isolate it from other stormwater, and direct it to one of two (2) retention basins. The basins will allow the plant to control off-site discharges, allow suspended sediments the opportunity to settle out prior to discharge, and will facilitate periodic inspection of the water quality prior to discharge of this source.

This facility has a second stormwater control feature which is comprised of two (2) features, the first is the drainage ditch to be installed on the west and north perimeter of the facility and has been designed to collect stormwater runoff that originates from off-site sources. Once collected this water will be conveyed (via ditches) to the outfall area which is the vegetated portion of the project site to the east of the plant. By design the second stormwater control feature will isolate off-site runoff, limit the exposure of this source to plant operations, and discharge to a vegetated outfall area to promote filtration and infiltration of this source.

Description of Procedures for Site Inspections and Maintenance:

A qualified environmental representative shall be on-site during construction and shall conduct post-construction inspection and monitoring as necessary in compliance with permit requirements. This individual will be knowledgeable with respect to the principals of sediment and erosion control, installation and maintenance of erosion control Best Management Practices, and site specific elements detailed in the this project's SWPPP. In accordance with permit requirements, the environmental representative will monitor day to day operations during active construction and implement erosion control measures as necessary to conform with SWPPP and permit obligations.

Inspections will at a minimum follow permit guidelines which require: inspections once every 14 days; and after significant rainfall events (i.e.; >0.5 inches in 24 hours) during active construction; and when significant runoff may have resulted from snowmelt. Additional inspections may occur at the sole discretion of Oneok. In the event that an erosion control device is determined to be in need of maintenance or repair it will be repaired as soon as practicable, typically within 48 hours of initial identification.

## OTHER BEST MANAGEMENT PRACTICES

### Description of sediment tracking reduction and sediment recover methods

#### Description of Methods to Reduce Sediment Tracking:

The project does not abut paved roads. Traffic from the plant will travel approximately 1.9 miles on unpaved secondary roads prior to encountering the first paved road (Co Road 1806). It is unlikely that sediment will be tracked onto paved roads.

#### Description of Methods for Recovering Tracked Sediments (e.g. Street Sweeping):

Periodic monitoring of access 1806 shall be conducted. If tracked sediments are noted, the street shall be swept and additional control methods shall be employed to reduce the potential for future tracking of sediments onto paved roads.

#### Description of Methods for Recovering Sediments from Sediment & Erosion Control Devices:

The principal of this SWPPP is to trap sediments as close to their point of origin as possible utilizing the various erosion control measures described throughout this SWPPP. The inspection and maintenance of these erosion control measures will be the primary responsibility of Oneok's on-site erosion control specialists. Oneok anticipates that periodic maintenance of the project's erosion control devices will be required to maintain proper functionality. Typically when silt fences or their equivalent become loaded with sediments to within approximately 2/3 of their height, maintenance will be conducted to remove the sediment burden. Drainage ways and culverts will be equipped with temporary erosion control measures to trap sediments near their point of origin and prior to entering the sediment basins. Also due to the size of the project area there will be two (2) sediment basins installed to trap sediments on-site, these basins will be monitored and maintained as necessary to ensure proper function. Depending upon the volume of material recovered, Oneok will use a combination of labor and equipment to recover and redistribute the captured sediments to appropriate locations within the project site.

#### Description of Winter Stabilization Practices that will be Utilized:

Winter stabilization methods will include soil roughening in areas to be disturbed again later in the construction sequence. High gradient areas (e.g.; cut banks, ditch banks, and basin banks) will be stabilized with erosion control blankets, while the remaining project area will be stabilized with various techniques ranging from anchored mulch to temporary cover crops (e.g. annual oats or rye). Spoil storage through the winter shall be stabilized with either temporary vegetative cover or tarps, and shall be bounded on the down slope perimeter with silt fence or equivalent erosion control device.

## SIGNIFICANT MATERIALS

**INSTRUCTIONS:** Based on your site's material inventory, provide the following information. For the definition of "significant materials," see Part V of the permit. The location of the significant materials should be indicated on the site map. See example below:

MATERIAL	QTY KEPT ON SITE	DISPOSAL METHOD FOR WASTE OR SPILLS	POLLUTION PREVENTION MEASURES
Ex: Diesel Fuel	Ex: 500 gallons	Ex: Using NDDH Waste Management Guidelines	Ex: Berm constructed around tank to capture any spills or leaks. Employees have been trained to prevent spills during fueling process and to contact management if a spill occurs.

(Attach additional pages if needed)

**ADDITIONAL OWNERS/OPERATORS**

**INSTRUCTIONS:** This section is provided to include additional owners and operators that may be designated by the permit holder to perform activities on a project (i.e., subcontractor). The additional owners/operators must adhere to this Storm Water Pollution Prevention Plan. The use of this section is intended for projects involved in "large" construction activity. It may also be used for "small" construction activity as a record for the owner.

**Signatory**

"I certify under penalty of law that I have personally read, understood, and accepted all terms and conditions of this Storm Water Pollution Prevention Plan, and that I shall implement the Plan accordingly. I am also familiar with the NDPDES General Permit for Storm Water Discharges Associated with Construction Activity (NDR10-0000).

Printed Name	Signature	Title	Company Name	Date
Al Cuykendall	<i>X Al Cuykendall</i>	<i>X Special Agent and Det.</i>	Bear Paw Energy	<i>X 8/24/10</i>





**Garden Creek Gas Plant**  
**Spill Prevention, Containment**  
**and**  
**Countermeasure Plan**

**SPILL PREVENTION, CONTAINMENT AND COUNTERMEASURE PLAN**  
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## INTRODUCTION

### **INTRODUCTION**

This Spill Prevention, Containment and Countermeasure (SPCC) Plan describes planning, prevention and control measures to minimize impacts resulting from spills of fuels, petroleum products, or other regulated substances as a result of facility construction. This SPCC Plan will be used as a guideline. These measures will be implemented by the Contractor or Company (unless otherwise indicated) during the construction of Oneok's Garden Creek facility (Company).

# SPILL PREVENTION, CONTAINMENT AND COUNTERMEASURE PLAN

## 1.0 PLANNING AND PREVENTION

The Company requires its Contractors to implement proper planning and preventive measures to minimize the likelihood of spills, and to quickly and successfully clean up a spill should one occur. The Company has developed this SPCC Plan to set forth minimum standards for handling and storing regulated substances and for cleaning up spills. Potential sources of construction-related spills include storage tank leaks, machinery and equipment failure, and fuel handling and transfer accidents. The Contractor will be responsible for implementing, at a minimum, the following planning and prevention measures:

### 1.1 ROLES AND RESPONSIBILITIES

#### 1.1.1 Spill Coordinator

- A Spill Coordinator shall be designated by Company.
- The Spill Coordinator shall mobilize on-site personnel, equipment, and materials for containment and/or cleanup commensurate with the extent of the spill.
- The Spill Coordinator shall assist the appropriate Emergency Response Contractor (Appendix H) and monitor containment activities to ensure that the actions are consistent with the requirements of this SPCC Plan.
- The Spill Coordinator and/or Chief Environmental Inspector or the Field Construction Manager, in consultation with appropriate agencies, shall determine when it is necessary to evacuate spill sites to safeguard human health.
- The Spill Coordinator shall notify the Environmental Manager and Chief Environmental Inspector immediately of any spill.
- The Spill Coordinator will assist the Chief Environmental Inspector in completion of a spill report form.
- The Spill Coordinator will identify available Emergency Response Contractors, who are subject to Company approval.
- The Spill Coordinator should not contact an agency regarding a spill without authorization from the Environmental Manager and/or Company.

## SPILL PREVENTION, CONTAINMENT AND COUNTERMEASURE PLAN

### 1.1.2 Environmental Manager

- The "Environmental Manager" referred to in this plan will be a designated Company Employee or a third party Designee
- The Environmental Manager will have a Chief Inspector located at the construction sites. The Chief Inspector may act on the behalf of the Environmental Manager on certain issues that will be defined before construction is started.
- The Chief Inspector will monitor the Contractor's compliance with the provisions of this SPCC Plan.
- All reportable spills must be reported immediately to the Construction Manager, Environmental Manager and Chief Inspector (Reportable spills will be defined by federal and state-specific guidelines. See Appendix C). The Chief Inspector with assistance from the Spill Coordinator is responsible for completing a Spill Report Form (Appendix A) within 24 hours of the occurrence of a reportable spill.
- The Spill Coordinator and/or Environmental Manager or the Project Manager, in consultation with appropriate agencies, shall determine when it is necessary to evacuate spill sites to safeguard human health.
- The Environmental Manager will contact an agency regarding a spill.
- The Environmental Manager will promptly report spills to appropriate federal, state, and local agencies as required.
- The Environmental Manager will coordinate with these agencies regarding contacting additional parties or agencies.

### 1.1.3 Field Construction Manager

- The "Field Construction Manager " referred to in this plan will be the Chief Inspector, a designated Company employee or a third party designee who is responsible for the management of construction activities on this project [representing the Construction Manager for the Company].
- The Field Construction Manager is the initial point of contact of the Spill Coordinator when a spill occurs, and determines the containment measures that may be required.
- The Field Construction Manager is responsible for documenting the general information regarding any spills such as work stoppages, injuries, fires, and the extent of exposure to workers on the site.

## SPILL PREVENTION, CONTAINMENT AND COUNTERMEASURE PLAN

- The Field Construction Manager is responsible for coordinating any emergency response services that may be required such as the Fire Department, the Sheriff Department, or for contacting Emergency Response Contractors.

### 1.1.4 Authorized Personnel

- Authorized Personnel are representatives of the Contractor who are designated to handle fuel, lubricants or other regulated substances.
- Authorized Personnel shall be familiar with the requirements of the SPCC Plan and the consequences of non-compliance.

### 1.1.5 Construction Superintendent

- The Contractor's Construction Superintendent or representative must immediately notify the Environmental Manager and Chief Inspector of any spill of a petroleum product or hazardous liquid, regardless of volume.

### 1.1.6 Construction Personnel

- Construction Personnel are representatives of the Contractor involved with construction and installation of the project.
- Construction Personnel shall notify the Construction Superintendent or Spill Coordinator immediately of any spill of a petroleum product or hazardous liquid, regardless of volume.

# **SPILL PREVENTION, CONTAINMENT AND COUNTERMEASURE PLAN**

## **2.0 RESPONSIBILITY OF ADMINISTRATION**

The Contractor is responsible for the administration of its SPCC Plan.

# SPILL PREVENTION, CONTAINMENT AND COUNTERMEASURE PLAN

## 3.0 GENERAL BEST MANAGEMENT PRACTICES

### 3.1 Typical Fuels, Lubricants And Hazardous Materials:

The table in Appendix G identifies fuels, lubricants and coolants generally present during construction and identifies typical total volumes, storage and transportation methods. Contractors will have appropriate MSDS sheets on-site as required by OSHA.

### 3.2 PREVENTIVE ACTIONS:

The following preventive actions and procedures will be accomplished prior to construction.

3.2.1 Storage, Refueling and Lubrication Areas: Designated storage, refueling and lubrication areas will be established which will minimize the environmental and safety impacts associated with releases of fuel, lubricants, or hazardous substances, as per the following guidelines.

3.2.1.1 Refueling and storing potentially hazardous materials will not occur within a 150-foot radius of all private wells and a 400-foot radius of all municipal or community water supply wells.

3.2.1.2 Storage of fuel, lubricant, or hazardous materials within 100 feet of perennial streambanks, wetland boundaries, or within a municipal watershed will not be conducted.

3.2.1.3 No hazardous or potentially hazardous materials, other than essential equipment fuel (gasoline, diesel, etc.) or standard lubricants (engine oils, grease, etc.) will be transported into the construction area without Environmental Manager coordination and approval.

3.2.1.4 All petroleum products used by Contractor necessary for fueling and maintenance of construction equipment shall be stored at a well maintained and supervised location. Diesel fuel, gasoline and lubricating oils shall be stored in bermed and lined containment structures.

3.2.1.5 All vehicle maintenance waste (oils and lubricants) shall be collected in proper containers within the designated storage, refueling and lubrication areas. Vehicle washing will be conducted in an area that will ensure that none of the wash water enters any waterbody. All vehicle wastes will be properly disposed of at facilities permitted to receive hydrocarbon vehicle waste.

## SPILL PREVENTION, CONTAINMENT AND COUNTERMEASURE PLAN

3.2.1.6 Special Refueling Activities: When unique conditions require refueling within 100 feet of perennial streambanks, wetland boundaries, or within any municipal watersheds, a determination of necessary emergency response actions shall be conducted prior to refueling activities. As a minimum, the determination will consider the environmental risks of relocating equipment to a refuel/lubrication area versus risks involved with refuel/lubrication in place. In addition, absorbent materials or other spill containment materials shall be available for immediate application prior to commencing refueling activities.

3.2.1.7 Contingency Supplies: Each construction crew shall have on hand sufficient supplies of absorbent materials, barrier material, and DOT approved containers to allow for rapid containment and recovery of any potential spill.

3.2.1.8 Waste Removal: Standing procedures and individual responsibilities regarding excavation, transport, and off-site disposal of any soil material contaminated by a spill will be established prior to construction.

### 3.3 Notifications

3.3.1 **WHENEVER ANY SPILL OF A HAZARDOUS OR POTENTIALLY HAZARDOUS SUBSTANCE OCCURS, THE ENVIRONMENTAL MANAGER WILL BE NOTIFIED.**

3.3.2 The Environmental Manager will help direct further response actions in accordance with EPA guidelines and assist throughout the cleanup and disposal of wastes.

### 3.4 Hazardous Materials Spill Response Training

3.4.1 The Contractor shall instruct construction personnel in the operation and maintenance of equipment to prevent an accidental discharge or spill of fuel, oil and lubricants. Personnel shall also be made aware of the pollution control laws, rules and regulations applicable to their work.

3.4.2 A spill prevention briefing shall be scheduled and conducted by Contractor prior to the initiation of construction to assure adequate understanding of this SPCC. The topics to be addressed at the briefing shall include the following:

3.4.2.1 SPCC contents,

3.4.2.2 Possible equipment failure and malfunction;

3.4.2.3 Precautionary measures;

## SPILL PREVENTION, CONTAINMENT AND COUNTERMEASURE PLAN

3.4.2.4 Standard operating procedures in case of a spill;

3.4.2.5 Equipment, materials and supplies to be maintained by Contractor and shall be available for cleanup of a spill.

### 3.5 Contractor's Waste Disposal

All wastes generated during construction shall be stored at the Contractors Field Warehouse in DOT approved containers.

### 3.6 Mitigation Actions

The following guidelines specify the mitigative procedures used to control a release, notify appropriate officials, clean up waste and document corrective actions.

#### 3.6.1 Control of Spills or Releases

3.6.1.1 Controlling spills and releases shall be accomplished by stopping or segregating the source of the release, using the required stockpiled materials to contain the spill and, if warranted, stopping operations within the affected areas.

#### 3.6.2 Notifications

3.6.2.1 The Contractor shall first notify the Environmental Manager and Chief Inspector of any spill. If the spill is of a reportable quantity, the Environmental Manager shall notify required agencies, and, if the situation warrants, the Field Construction Manager shall notify appropriate local police, fire department and/or area residents.

3.6.2.2 The Contractor shall have designated employees on-call 24 hours per day for notification of the emergency response companies referenced in Appendix II.

#### 3.6.3 Cleanup and Disposal Actions

3.6.3.1 The Contractor's Spill Coordinator will direct visual cleanup of all releases. Contaminated soils, absorbent materials and other waste generated by the spill/release will be placed in DOT approved storage/shipping containers (see Appendix E). The containers will be labeled as to the contents and placed in a designated accumulation point for disposal. Depending on the type of waste generated, the containers shall be transported and disposed of in accordance with appropriate EPA disposal criteria by permitted transporters and disposers.

3.6.3.2 In the event that a fuel spill occurs within a controlled containment dike, in lieu of a pump/valve drainage system, the

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Contractor shall immediately engage a certified vacuum cleanup service in the vicinity.

3.6.3.3 Arrangements shall be made for spill cleanup vacuum services within various vicinities. These companies will be on-call 24 hours per day to provide emergency cleanup services, as required by the Contractor.

### 3.6.4 Records

3.6.4.1 The Contractor shall maintain written records of all actions taken during the course of a spill event.

# SPILL PREVENTION, CONTAINMENT AND COUNTERMEASURE PLAN

## 4.0 SPILL PROCEDURE

### 4.1 Reportable Quantity Spills

Unless otherwise directed, the reporting, disposal, and pre-cleanup sampling requirements in this section apply to all spills of reportable quantities (Appendix C).

### 4.2 Immediate Spill Response Actions

The Contractor shall implement this SPCC Plan using the following steps in response to a spill of hazardous materials:

#### 4.2.1 Immediate Safeguards:

4.2.1.1 Evacuate the area of personnel, if warranted.

4.2.1.2 Stop operation of affected equipment/area, if warranted.

4.2.1.3 Turn off utilities to the area, if necessary.

4.2.1.4 Cordon the area to prevent entry of unnecessary personnel or equipment. Establish a single point of ingress and egress to control access to the spill area.

4.2.1.5 Take whatever steps possible to eliminate the source of the leak or spill (e.g., shut off valves, upright containers, stop pumps, etc.).

4.2.1.6 Accumulate as much information as possible as to the nature and size of the spill. Use the Construction Spill Report Form (see Appendix A) for the type of information required.

#### 4.2.2 Spill Event Log Establishment: Documentation of all spill-related activities will include the following information in the log:

4.2.2.1 Time and date of initial notification of spill and approximate time the spill occurred.

4.2.2.2 Start and completion time of all key activities.

4.2.2.3 A detailed description of all activities undertaken and identification of personnel accomplishing these activities.

4.2.2.4 Note time of all correspondence, personnel involved with the correspondence, and nature of the correspondence.

4.2.2.5 The log shall be maintained until initial actions to clean up the spill are complete (approximately 24 hours, unless conditions extend the response to the emergency).

## SPILL PREVENTION, CONTAINMENT AND COUNTERMEASURE PLAN

**4.2.3 Notifications:** All notifications shall be accomplished at the direction of the Spill Coordinator or Construction Director.

**4.2.3.1** Notify the Environmental Manager and Chief Environmental Manager of any spill and provide the necessary information by using the Construction Spill Report Form (Appendix A).

**4.2.3.2** Make other Contractor and Company and agency notifications per the SPCC, or as instructed by the Environmental Manager and Section 4.3, Reporting Requirements, of this procedure.

**4.2.3.3** Notify local police or Fire Department if assistance is necessary.

**4.2.3.4** Notify local residents, if necessary.

**4.2.4 Spill Control:**

**4.2.4.1 Spills on Land or Pavement:**

**4.2.4.1.1** Plug all storm drains the spill may gain access to.

**4.2.4.1.2** Construct terrace dam or ditch to stop the spill's flow.

**4.2.4.1.3** Scatter hay, straw, sand or other similar materials to absorb the spill.

**4.2.4.1.4** If free-standing fluid is present, actions can be taken to skim fluids and place into DOT approved containers.

**4.2.4.2 Spills on Water**

Ensure that all possible efforts are made to limit the migration of the surface spill until properly equipped cleanup teams can arrive.

**4.2.4.2.1** Create a back current to limit out-flow of material.

**4.2.4.2.2** Use absorbent floats, if available.

**4.2.4.2.3** Create shoreline earth berms to prevent spill from reaching surface waters. Use skimmers, pumps or available absorbent materials to remove spill from water, should spill breach berms.

## SPILL PREVENTION, CONTAINMENT AND COUNTERMEASURE PLAN

### 4.2.5 Area Spill Cleanup:

4.2.5.1 Follow site cleanup and decontamination requirements which are provided in this procedure.

4.2.5.2 Remove cleanup debris from spill area. Basic guidance is provided in Para. 4.4 of this procedure.

### 4.2.6 Spill Materials Disposal:

All spill material shall be disposed of in accordance with EPA Regulations. General guidance is provided in Section 4.6 of this procedure.

### 4.3 Reporting Requirements:

The following reporting requirements by the Contractor are required in addition to applicable reporting requirements under the Clean Water Act (CWA), Toxic Substances Control Act (TSCA), or the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) and other documents which establish the SPCC reporting requirements.

4.3.1 Notify the Environmental Manager and Chief Inspector in the event of any leaks or spills. Use the Construction Spill Report Form (see Appendix A) for providing necessary information. The Chief Inspector will provide guidance based on the potential impact of the spill.

### 4.4 Disposal of Cleanup Debris and Materials

4.4.1 All contaminated soils, solvents, rags, and other materials resulting from the cleanup actions will be properly stored, labeled, and disposed of in accordance with the appropriate EPA regulations. Some general guidance follows:

4.4.1.1 Soils and/or other contaminated materials shall be placed in DOT-approved sealed containers.

4.4.1.2 Containers shall be labeled with required waste label(s), dated and inventoried.

4.4.1.3 Containers may be stored at the construction site in the identified staging areas for up to 90 days.

4.4.1.4 All containers shall be disposed of in accordance with EPA Regulations using permitted transporters and permitted disposal facilities.

## SPILL PREVENTION, CONTAINMENT AND COUNTERMEASURE PLAN

4.4.1.5 All hazardous waste containers shall be properly manifested prior to departure from the construction area. The Contractor and Company will maintain all manifest records with the project file for at least three years after the containers were shipped for disposal.

### 4.5 Determination of Spill Boundaries in the Absence of Visible Traces

For spills where there are insufficient visible traces, yet there is evidence of a leak or spill, the boundaries of the spill shall be determined using a statistically based sampling scheme. The Environmental Manager will provide sampling assistance.

### 4.6 Cleanup Requirements

#### 4.6.1 General Requirements:

4.6.1.1 All soil within the spill area (e.g., visible traces of soil and a buffer of one (1) lateral foot around the visible traces) must be excavated.

4.6.1.2 All excavation material shall be disposed of as mentioned in Para. 4.4 of this procedure and the appropriate EPA Regulations.

4.6.1.3 All cleanup soil and wastes shall be collected in DOT approved containers. See Appendix E for a listing of approved containers.

4.6.1.3.1 Appendix D contains guidance on how to manage the area used to temporarily store waste containers.

4.6.1.3.2 Appendix F contains guidance on inspection procedures for stored waste containers required by EPA Regulations.

4.6.1.4 The ground shall be restored to its original configuration by back-filling with clean soil.

4.6.1.5 Cleanup requirements of a spill area shall be completed within 48 hours after notification or knowledge of the spill.

## SPILL PREVENTION, CONTAINMENT AND COUNTERMEASURE PLAN

### 4.6.2 Effect of Emergency or Adverse Weather:

Completion of cleanup may be delayed beyond 48 hours in case of circumstances including but not limited to:

4.6.2.1 Civil emergency;

4.6.2.2 Adverse weather conditions;

4.6.2.3 Lack of access to the site; and/or,

4.6.2.4 Emergency operating conditions.

4.6.2.4.1 The occurrence of a spill on a weekend or after hours overtime costs are not acceptable reasons to delay response.

4.6.2.4.2 Completion of cleanup may be delayed only for the duration of the adverse conditions. If the adverse weather conditions, or time lapse due to other emergencies, has left insufficient visible traces, a statistically based sampling scheme to determine the spill boundaries will be developed and implemented.

### 4.7 Records

All records that document spill events and corrective actions taken will be maintained in the project files for three (3) years from the date the corrective actions were completed. Documentation and certification of area decontamination shall be conducted upon completion of and during all clean up operations. The records and certifications shall be completed, as follows:

4.7.1 Identification of the source of the spill (e.g., type of equipment or container).

4.7.2 Estimated or actual date and time of the spill occurrence.

4.7.3 The date and time cleanup was completed or terminated (if cleanup was delayed by emergency or adverse weather, the nature and duration of the delay).

4.7.4 A brief description of the spill location.

4.7.5 Pre-cleanup sampling data used to establish the spill boundaries if required due to insufficient visible traces, and a brief description of the sampling methodology used to establish the spill boundaries.

## SPILL PREVENTION, CONTAINMENT AND COUNTERMEASURE PLAN

- 4.7.6 A brief description of the solid surfaces cleaned and of the wash/rinse method used.
  - 4.7.7 Approximate depth of soil excavation and the amount of soil removed.
  - 4.7.8 A certification statement signed by the Construction Director, Spill Coordinator and the Environmental Manager stating the cleanup requirements have been met and the information contained in the record is true to the best of his/her knowledge.
  - 4.7.9 The estimated cost of pre- or post-cleanup and sampling by man-hours, dollars, or both.
- 4.8 Responsibility for Procedure
- Address any questions to the Company Environmental Manager (name and address to be announced).

**APPENDIX A**  
**CONSTRUCTION SPILL REPORT FORM**

Date of Spill: \_\_\_\_\_ Date of Spill Discovery: \_\_\_\_\_

Time of Spill: \_\_\_\_\_ Time of Spill Discovery: \_\_\_\_\_

Location Name: \_\_\_\_\_ Region: \_\_\_\_\_

Name and Title of Discoverer: \_\_\_\_\_

Type of material spilled and manufacturers name: \_\_\_\_\_

Legal Description of spill location: \_\_\_\_\_

Directions from nearest community: \_\_\_\_\_

Estimated volume of spill: \_\_\_\_\_ Estimated Material Recovered: \_\_\_\_\_ Weather

Conditions: \_\_\_\_\_

Topography and surface conditions of spill site: \_\_\_\_\_

Spill medium (pavement, sandy soil, water, etc.): \_\_\_\_\_

Proximity of spill to surface waters: \_\_\_\_\_

Did the spill reach a waterbody? Yes \_\_\_\_\_ No \_\_\_\_\_

If so, was a sheen present? Yes \_\_\_\_\_ No \_\_\_\_\_

Describe the causes and circumstances resulting in the spill: \_\_\_\_\_

Describe the extent of observed contamination, both horizontal and vertical (i.e., spill-stained soil in a 5-foot radius to a depth of 1 inch): \_\_\_\_\_

Describe immediate spill control and/or cleanup methods used and implementation schedule: \_\_\_\_\_

Current status of cleanup actions: \_\_\_\_\_

Name/Company/Address/Phone Number for the following:

Construction Superintendent: \_\_\_\_\_

Spill Coordinator: \_\_\_\_\_

Environmental Manager: \_\_\_\_\_

Person Who Reported the Spill: \_\_\_\_\_

Environmental Inspector: \_\_\_\_\_

Form completed by: \_\_\_\_\_ Date: \_\_\_\_\_

Spill Coordinator must complete this for any spill, regardless of size, and submit the form to the Company Environmental Manager and Chief Environmental Inspector within 24 hours of the occurrence.

## **APPENDIX B**

### **REPORTABLE QUANTITIES**

#### **PURPOSE:**

This procedure identifies reportable quantities for releases of oil or hazardous substances in accordance with the CERCLA of 1980, the CWA, the Oil Pollution Act of 1990 (OPA 90) and the TSCA.

#### **RESPONSIBILITY FOR ADMINISTRATION:**

Contractor's Spill Coordinator is responsible for administration of this procedure.

#### **GENERAL:**

- I. Reportable quantity is the quantity of a release which requires notification of an agency.
- II. Any amount of oil spill into navigable waters is reportable. Oil spills onto land may be required to be reported, depending upon quantity spilled and state regulations. Refer to Appendix C.
- III. Appendix C lists Reportable Quantities (RQs) specified by the EPA.
- IV. RQs for Toxic Hazardous Wastes are based on the toxic contaminant. The RQ means the quantity of the waste, not the quantity of the toxic contaminant. If toxic waste has two or more contaminants, the RQ is based on the lowest RQ for those contaminants.

#### **PROCEDURES:**

- I. If oil is discharged into or upon the navigable waters of the United States, or adjoining shorelines:
  - A. Report the spill to the National Response Center (800) 424-8802.
  - B. Submit a written report within 60 days to the EPA Regional Administrator and the state agency, if the project has discharged quantities of oil into or upon the navigable waters of the United States or adjoining shorelines, which:
    1. is more than 1,000 gallons of oil in a single spill event; or
    2. is in harmful quantities as defined by 40 CFR Part 110, Oil Pollution Prevention regulations, in two spill events occurring within a twelve month period. Harmful quantity includes a film or sheen or discoloration of the surface of the water of adjoining shorelines or a sludge or emulsion deposited beneath the surface of the water or upon adjoining shorelines.

**APPENDIX B**  
**REPORTABLE QUANTITIES**

- C. The report to the EPA Regional Administrator and the state agency will include:
1. Name of facility;
  2. Name(s) of the owner or operator of the facility;
  3. Location of the facility;
  4. Date and year of initial facility operation;
  5. Maximum storage or handling capacity of the facility and normal daily throughput;
  6. Description of facility, including maps, flow diagrams and topographical maps;
  7. A complete copy of the SPCC Plan with amendments;
  8. The cause of the spill, including a failure analysis of the system or subsystem in which the failure occurred;
  9. The corrective actions and/or countermeasures taken, including description of equipment repairs and replacements;
  10. Additional preventive measures taken or contemplated to minimize the possibility of recurrence; and,
  11. Any additional information the EPA Regional Administrator may require pertinent to the SPCC Plan or spill event.

■ If a hazardous waste or hazardous substance has been released into the environment in quantities equal to or in excess of reportable quantities listed in 40 CFR 302, the NRC must be notified.

- A. Contact the required agencies with the pertinent spill information.
- B. Provide verbal notification of the following information:
1. Name and telephone number of reporter;
  2. Name and address of facility;
  3. Type of substance discharged;
  4. Quantity of substance discharged;

**APPENDIX B**  
**REPORTABLE QUANTITIES**

5. Location of discharge;
  6. Actions the person reporting the discharge proposes to take to contain, cleanup and remove the substances, if any; and,
  7. Any other information concerning the discharge which may be requested by the Agency at the time of notification.
- A. If a hazardous waste, hazardous substance or extremely hazardous substance has been released in quantities equal to or in excess of reportable quantities the State Emergency Planning Commission and Local Emergency Planning Committee must be notified. Contact the required agencies with the pertinent spill information as soon as possible.
- B. Submit a written report on the incident to the appropriate state and local agency. The report will include the following:
1. Name, address and telephone number of the owner or operator;
  2. Name, address and telephone number of the facility;
  3. Date, time and type of incident;
  4. Name and quantity of material(s) involved;
  5. The extent of injuries, if any;
  6. An assessment of actual or potential hazards to human health or the environment, where this is applicable;
  7. Assessment of the scope and magnitude of the spill;
  8. Description of the immediate actions that have been taken and the estimated quantity and disposition of recovered material that resulted from the incident; and,
  9. Provide an implementation schedule for undertaking suggested measures to eliminate the spill.

Spill incident reports will be maintained in the project files for a minimum period of three (3) years.

**RESPONSIBILITY FOR PROCEDURE:**

Address any questions to the:

**APPENDIX B**  
**REPORTABLE QUANTITIES**

Environmental Manager

(Name and address to be announced.)

**APPENDIX C**  
**STATE REQUIREMENTS FOR REPORTING**

These guidelines are intended to help the Environmental Manager determine what is a reportable spill. In addition to the guidelines listed below, any substantial natural gas release which could cause an agency to initiate an unneeded emergency response should be considered reportable. The Environmental Manager and Spill Coordinator shall maintain a copy of the latest edition of the TITLE III List of Lists.

ILLINOIS (217) 782-7860 or (800) 7827860 (In state only)

On-call Operator, Illinois Emergency Management Agency

Any spill of petroleum products greater than 100 lbs. or to water must be reported within 24 hours

Any spill of a compound listed in CERCLA, RCRA, and Title III List of Lists.

Less than reportable or not to waterway must be cleaned up but do not need to report

Written Report (if required) within 2 weeks

IOWA (515) 281-8694 (24 hours)

On-call Operator, Department of Natural Resources - Hazardous Conditions Reporting

502 East 9th Street  
Des Moines, IA 50319

- Hazardous Conditions Rule: Any person handling hazardous substances must notify the department or the local police office (sheriff) of a hazardous condition as soon as possible, but no longer than 6 hours after the onset of a hazardous condition or discovery of the hazardous condition.

Written Report due 30 days after spill

MINNESOTA (612) 649-5451 or (800) 422-0798 (24 hours)

State Duty Officer, Department of Public Safety - Division of Emergency Management

Petroleum products - less than 5 gallon release does not have to be reported, just cleaned up.

Contact State Duty Officer immediately after the spill after human safety is controlled.

Written reports not always mandatory - will be instructed concerning timeframe when determined is needed.

SARA Title III - referred to State Emergency Response Commission.

MONTANA (406) 444-6911 (24-hours)

On-call Operator, Montana Disaster and Emergency Services

**APPENDIX C**  
**STATE REQUIREMENTS FOR REPORTING**

Any spill to waterway must be reported.

If in doubt, report it.

DEQ will be contacted - they will determine if written report is required and provide details.

NORTH DAKOTA (800) 472-2121 (In-state) - (701) 328-2121 (Out-of-state)

On-call Operator, North Dakota State Radio

Any spill must be reported

Contact North Dakota State Radio - ask for DEM React Officer - they will return call

React Officer will send out follow-up report for completion within 30 days

Also call State Industrial Commission - Oil & Gas Division - 701-328-2969

SOUTH DAKOTA (605) 773-3296 (8-5) or after hours (605) 773-3231 (24 hours)

On-call Operator, South Dakota Department of Environmental and Natural Resources

- Notify Department of Environmental and Natural Resources (DENR) for any spill to water or greater than 25 gallons of any regulated substance - as soon as possible once contained
- Regulated substances include the list of list compounds, fertilizers, pesticides, petroleum products and hazardous wastes

DENR will send notification letter with details on incident follow-up report - generally due within 30 days.

NATIONAL RESPONSE CENTER 1-800-424-8802

On-call Operator, NRC

APPENDIX D  
HANDLING CONTAINERS AND DRUMS

PURPOSE: This procedure provides general requirements for the design of areas used to store containers and drums, in accordance with EPA regulations 40 CFR Part 112 and 40 CFR Part 265.170.

RESPONSIBILITY FOR ADMINISTRATION:

The Contractor's Spill Coordinator will be responsible for this procedure.

GENERAL:

- I. This procedure covers container and drum storage areas storing oils and petroleum distillates and non-permitted Hazardous Waste container and drum storage areas.
- II. It is not necessary to permit Hazardous Waste container and storage areas if the waste is stored for less than 90 days. Secondary containment is not required for non-permitted Hazardous Waste container and drum storage areas.

PROCEDURE:

- I. All containers and drums must be stored to avoid contact with the ground and standing water and protected to prevent rupture or leakage and to facilitate inspection.
- II. The areas with containers and drums in which oil and petroleum distillate are stored and have the potential to be spilled off site must be designed to contain spills and releases. Appropriate secondary containment may include dikes, berms or retaining walls sufficiently impermeable ( $10^{-5}$  centimeters per second) to contain spill oils.
- III. The following applies to hazardous waste containers and drums:
  - A. Containers and drums holding ignitable or reactive Hazardous Waste must be stored at least 50 feet from the property line of boundary. Follow manufacturer's instructions regarding appropriate storage of product containers and drums.
  - B. Hazardous Waste containers and drums must be separated and protected from incompatible materials by means of dike, berm, retaining wall or other approved means. Incompatible materials are wastes which, when mixed, can produce effects which are harmful to human health and the environment, such as (1) heat and pressure, (2) fire or explosion, (3) violent reaction, (4) toxic fumes or, (5) flammable fumes.
  - C. Hazardous Waste containers and drums must be inspected weekly. That inspection shall be documented, as per requirements listed in Appendix F.

**APPENDIX D**  
**HANDLING CONTAINERS AND DRUMS**

- IV. The Contractor shall comply with all rules for Hazardous Waste Generators for satellite accumulation under 40 CFR 262.24(c)(1)(ii):
  - A. Mark each container with the words "Hazardous Waste."
  - B. Containers must be in good condition and kept closed except when adding or emptying waste. In addition, containers must not contain waste that is incompatible with the containers.
- V. Conditionally Exempt Small Quantity Generators and Small Quantity Generators of Hazardous Waste must comply with the following:
  - A. Meet all conditions outlined in Procedure Section II.
  - B. Mark each drum or container with the words "Hazardous Waste."
  - C. Label each drum or container with the date it is first used and the date it is last used.

**RECORDS:**

Storage area inspection records must be kept with the project files for a minimum period of three (3) years.

**RESPONSIBILITY FOR PROCEDURE:**

Address any questions to the:

Environmental Manager

(Name and address to be announced.)

**APPENDIX E**  
**DOT APPROVED CONTAINERS**

**PURPOSE:**

This procedure provides a listing of containers which have been approved by the EPA for storage of contaminated materials or wastes. These drums may be ordered from drum suppliers by specification number:

- I** Specification 5 - steel barrel or drum with removable head:
  - A. Body seams welded;
  - B. Chime (reinforced rim) reinforced;
  - C. Heads closed by 12 gauge bolted ring with drop forged lugs;
  - D. Marked "DOT-5."
  
- I** Specification 5B - steel barrel or drum with removable head:
  - A. Body seams welded;
  - B. Chime (reinforced rim) reinforced;
  - C. Heads closed by 12 gauge bolted ring with drop forged lugs;
  - D. Marked "DOT-5B."
  
- II** Specification 6D Overpack; cylindrical steel overpack, straight sided, for inside plastic container. Specification 6D Overpack must be used with the specification 2S of 2SL plastic container.
  
- IV** Specification 2S - polyethylene container:
  - A. No removable heads;
  - B. Constructed with new polyethylene resin;
  - C. Marked "DOT-2S;"
  - D. Must fit snugly in overpack container (Spec. 6D).

**APPENDIX E**  
**DOT APPROVED CONTAINERS**

- V. Specification 2SL - molded or thermoformed polyethylene container:
  - A. No removable heads;
  - B. Constructed with new polyethylene resin;
  - C. Marked "DOT-25L;"
  - D. Must fit snugly in overpack container (Spec. 6D).
  
- VI. Specification 17C - single trip container, steel drum:
  - A. Removable heads are authorized;
  - B. Crowned head;
  - C. Heads closed by 12 gauge bolted ring with drop forged lugs;
  - D. Marked "DOT-17C."

**APPENDIX F**  
**INSPECTION OF WASTE DRUMS AND CONTAINERS**

**PURPOSE:**

This procedure outlines inspection requirements for waste drums and containers as required by Federal Regulations 40 CFR 262 - 265 and 40 CFR 761.

**RESPONSIBILITY:**

The Contractor's Spill Coordinator is responsible for implementation of this procedure.

**GENERAL:**

- I. Drums and containers used to store hazardous substances and wastes shall be inspected for leaks, malfunctions, deterioration, operator errors and discharges which may lead to a release into the environment or a threat to human health.
- II. If problems are discovered during the inspection, remedial action shall be taken immediately. The action taken will be noted on the inspection report form.

**PROCEDURE:**

Each waste drum and container shall be inspected and records maintained on a Waste Container Inspection Form. Inspection records shall include the date and time of the inspection, the name of the inspector, observations and the date and nature of any problems, repairs and remedial action.

- A Waste drum and container storage areas shall be inspected weekly for the following:
  1. Leaking containers, deterioration of containers and deterioration of the spill containment system.
  2. Drums and containers shall be properly labeled and dated.
  3. Drums and containers shall be stored on pallets or drum racks.
- B. If a drum or container is leaking, the incident shall be recorded on the inspection form and immediately cleaned up according to the SPCC Plan.

**APPENDIX F  
INSPECTION OF WASTE DRUMS AND CONTAINERS**

**RECORDS:**

- I. Inspection records shall be maintained in the project files for three (3) years from the date of inspection.

A report of the remedial action taken for leaks shall be prepared and kept with either the original inspection forms, inspection log or in the records of the project. These records shall be maintained for three (3) years with the project files.

**RESPONSIBILITY FOR PROCEDURE:**

Address any questions to the:

Company Environmental Manager

(Name and address to be announced.)



**ATTACHMENT G**  
**TYPICAL PETROLEUM STORAGE AND HANDLING VOLUMES ON CONSTRUCTION**  
**SPREAD**

	Fluids	Typical Amounts	Storage	Typical Transport Mode
<b>Fuels</b>	Diesel	TBD Gallons	Tanks or Tankers stored at Contractor locations  5 gallon cans, 100 gallon storage in pickups, etc.	Fuel Trucks,  "Fuel Skids"
	Military Aviation Kerosene <sup>1</sup>	TBD Gallons		
	Kerosene <sup>1</sup>	TBD Gallons		
	Gasoline	NA		
<b>Lubricant</b>	Engine Oil	TBD Gallons	Bulk Storage or Retail Packaging at Contractor Yard Warehouse	<b>"Grease"</b> Trucks
	Transmission/ Drive Train Oil	TBD Gallons		
	Hydraulic Oil	TBD Gallons		
	Gear Oil	TBD Gallons		
	Lubricating Grease	TBD cases of 24 cans per case		
	<b>Coolants</b>	Ethylene Glycol		
Propylene Glycol		TBD Gallons		

<sup>1</sup> Used straight or as additives only in extremely cold weather.

APPENDIX H  
EMERGENCY RESPONSE CONTRACTORS;  
DISPOSAL AND TREATMENT FACILITIES

The Contractor must dispose of all wastes according to applicable state and local requirements. A listing of potential Emergency Spill Response Contractors and waste disposal facilities is provided below. This list was developed from state-wide data bases. This list represents firms operating at the time the data base was produced. These firms are not necessarily endorsed by Company. The Contractor is responsible for verifying if a contractor or facility is currently operating under appropriate permits or licenses. Selection of an Emergency Response Contractor or disposal facility is subject to approval by Company. The Contractor is responsible for ensuring wastes are disposed of properly.

Spill Response Contractors

APTUS 21750 Cedar Ave. Lakeville, MN 55044	(612) 469-3475
Bay West, Inc. Environmental Services 5 Empire Dr. St. Paul, MN 55103	(612) 291-0456; (800) 279-0456
Borderland Contractors Inc. 2602 Crescent Dr. International Falls, MN 56649	(212) 278-4125; (800) 620-1180
Carbonair Environmental Services 8640 Monticello Lane Maple Grove, MN 55369	(612) 425-2992; (800) 526-4999
Jay Bros. 2209 Phelps Rd. Hugo, MN 55038	(612) 429-4363; (612)426-1740
031 Environmental, Inc. Subsidiary of Berg Oil Company 104 South 15th Avenue West Virginia, MN 55792	(218) 749-3060; (800) 777-8542

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EMERGENCY RESPONSE CONTRACTORS;  
DISPOSAL AND TREATMENT FACILITIES

OHM (Corporate address)  
16406 State Route 224  
Findlay, OH 45840

(800) 537-9540 Chicago center for  
responses in Iowa and Illinois

Smith Environmental (formerly Riedel)  
2080 S. Carbay Road  
Mt. Prospect, IL 60056

(847) 437-3408  
(800) 334-0004

Waste Handling/Disposal Contractors

C.E.G. Industries  
3800 S. Cedar Street  
Borger, TX 79007  
(806) 274-6048

ENSCO, Inc.  
333 Executive Court  
Little Rock, AR 72205  
(501) 223-4160

MerCure, Inc.  
1548 Valwood Parkway, Suite 110  
Carrollton, TX 75006  
(214) 488-0434

Quadrex Environmental Company, Inc.  
1940 N.W. 67th Place  
Gainesville, FL 32606  
(904) 373-6066

Rust Industrial Cleaning Services, Inc.  
1310 S. Florida  
Borger, TX 79007  
(806) 274-5201

Aptus, Inc.  
21750 Cedar Ave.  
Lakeville, MN 55044  
(612) 469-3475

Mesa Oil, Inc.  
4701 Broadway S.E.  
Albuquerque, NM 87105  
(505) 877-8855

Industrial Services Corporation  
1633 S. Marsh  
Kansas City, MO 64126  
(800) 821-4302

Environmental Specialists, Inc.  
3001 E. 83<sup>rd</sup> Street  
Kansas City, MO 64132  
(816) 932-1277

APPENDIX H  
EMERGENCY RESPONSE CONTRACTORS;  
DISPOSAL AND TREATMENT FACILITIES

D & K Environmental  
6620 Gennie Baker Road  
Garden City, KS 67846  
(316) 275-8032

Haz-Mat Response, Inc.  
1203 C S. Parker  
Olathe, KS 66061  
(913) 782-5151

Disposal Facilities

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Aptus 21750 Cedar Ave. Lakeville, MN 55044	(612) 469-8335
Elk River Landfill, Inc. 22460 Hwy. 169 NW Elk River, MN 55330	(612) 441-2464; (612) 374-6740
Van Waters & Rogers Inc. (Chemcare) P.O. Box 64004 St. Paul, MN 55164	(612) 774-9400; (800) 424-9300

Thermal Treatment Facilities and Asphalt Plants Authorized to Treat Soil

Cleansoils, Inc. 84 2nd Ave. SE New Brighton, MN 55112 DAQ Permit 2307-90-OT-1, 2307B-90-OT-1	(612) 639-8811
Dust Coating, Inc. 6925 D'Chene Lane Maple Plain, MN 55359 DAQ Permit 2353-90-OT-1	(612) 479-1593
C.S. McCrossan Box 1240 7865 Jefferson Highway Maple Grove, MN 55369 DAQ Permit 785A-91-OT-2	(612) 425-4167
ConTeck Environmental Services, Inc. 22460 Highway 169	(612) 441-4965

APPENDIX H  
EMERGENCY RESPONSE CONTRACTORS;  
DISPOSAL AND TREATMENT FACILITIES

Elk River, MN 55330  
DAQ Permit 2346-90-OT-1

Advanced Soil Technologies, Inc. (mobile) (612) 773-9095  
2966 White Bear Ave.  
Maplewood, MN 55109  
DAQ Permit 2402-91-OT-1

Earth Burners, Inc. (mobile) (218) 726-1537  
31 W. Superior St., Suite 402  
Duluth, MN 55802  
DAQ Permit 2439-91-OT-1

Earth Savers, Inc. (mobile) (612) 689-4934  
Route 2, Box 105A  
Cambridge, MN 55008  
DAQ Permit 2495-92-OT-1

Murya/Ryback, Inc. (mobile) (612) 788-6577  
3134 California St.  
Minneapolis, MN 55418  
DAQ Permit 2333-90-01-1

Unimix, Inc. (mobile) (715) 394-7888  
1623 Broadway  
Superior, WI 54880  
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