

**Attachment 2**

**Pine Prairie Energy Center, LLC**

**Supplemental Expansion Project**

**Spill Prevention, Containment, and  
Countermeasures Plan**

# SPILL PREVENTION, CONTAINMENT AND COUNTERMEASURES PLAN

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# SPILL PREVENTION, CONTAINMENT AND COUNTERMEASURES PLAN

## 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 pipeline and associated facility construction activities. These measures will be implemented by the Contractor (unless otherwise indicated) during Pine Prairie Energy Center, LLC (PPEC) pipeline and associated facility construction projects. This SPCC Plan was developed in accordance with its Stormwater Pollution Prevention Plan (SWPPP).

## 1.0 Planning and Prevention

PPEC requires its contractors to implement proper planning and preventative measures to minimize the likelihood of spills, and to quickly and successfully clean up a spill should one occur. PPEC 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

#### Spill Coordinator

- A Spill Coordinator shall be designated by the contractor, subject to approval by PPEC.
- 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 emergency response contractor (**Appendix A**) and monitor containment procedures to ensure that the actions are consistent with the requirements of this SPCC Plan.
- The Spill Coordinator and/or representative, 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 Inspector immediately of any spill.
- The Spill Coordinator will assist the Environmental Inspector in completion of a spill report form.

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### Environmental Inspector

- The Environmental Inspector will monitor the contractor's compliance with the provisions of this SPCC Plan.
- The Environmental Inspector will be assisted by the Spill Coordinator during completion a Spill Report Form (**Appendix B**) within 24 hours of the occurrence of a spill, regards of the size of the spill.

### 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.

### Construction Superintendent

- The contractor's construction Superintendent or representative must immediately notify the PPEC representative and the Environmental Inspector of any spill of a petroleum product or hazardous liquid, regards of volume.

### Construction Personnel

- Construction personnel are representatives of the contractor that are involved with installation of the pipeline.
- Construction personnel shall notify the crew foreman or Spill Coordinator immediately of any spill of a petroleum product or hazardous liquid, regards of volume.

### PPEC Representative

- PPEC will promptly report spills to appropriate federal, state, and local agencies as required.
- PPEC will coordinate with these agencies regarding contacting additional parties or agencies.
- The PPEC representative will promptly notify the U.S. Coast Guard National Response Center immediately of spills, regards of size, that enter lakes, streams or other standing or flowing waters. The National Response Center phone number is listed in Section 4.3 of this SPCC Plan.
- The Representative and/or the Spill Coordinator, in consultation with appropriate agencies, determines when spill sites will be evacuated as necessary to safeguard human health.

## 1.2 Training

- The contractor shall train all employees handling fuels and other regulated substances to follow and comply with this SPCC Plan.

## 1.3 Equipment

- The contractor will maintain spill kits containing a sufficient quantity of absorbent and barrier materials to adequately contain and recover foreseeable spills. These kits may include, but are not limited to absorbent pads, straw bales, absorbent clay, sawdust, floor-drying agents, spill containment barriers, plastic sheeting, skimmer pumps and holding tanks.
- Suitable plastic lining materials shall also be available for placement below and on top of temporarily-stored contaminated soils and materials.
- All fuel and service vehicle shall carry materials adequate to control foreseeable spills. Such material may include but not be limited to absorbent pads, commercial absorbent material, plastic bags with ties and a shovel.
- The Spill Coordinator shall make known to authorized personnel, construction personnel, the Environmental Inspector and the PPEC representative the locations of spill control equipment and materials and have them readily accessible during construction activity.
- Construction equipment that can be moved on an existing roadway shall be removed from wetlands and parked a minimum of 100 feet away from streams, wetlands, ditches and other waterbodies at the end of each workday.
- In large wetlands where no upland site is available for refueling, auxiliary fuel tanks on construction equipment are recommended.
- All fuel nozzles shall be equipped with functional automatic shut-offs.
- Fuel trucks transporting fuel to on-site construction equipment shall travel only on approved access roads.

## 1.4 Supervision and Inspection

- The contractor shall perform a pre-construction inspection and test of all equipment to ensure that it is in good repair.
- During construction, the contractor shall regularly inspect hoses, pipes, valves, and tanks to ensure equipment is free of leaks.

**Typical Petroleum Storage and Handling Volumes on a Construction Spread**

	Fluids	Typical Amounts	Storage	Typical Transport Mode
Fuels	Diesel	6,000-12,000 Gallons	1-3 Tanks or Tankers stored at Contractor Yard  5 gallon cans, 100-gallon storage in pickups, etc.	1-3 Fuel Trucks,  1-3 "Fuel Skids"
	Military Aviation Kerosene <sup>1</sup>	6,000-12,000 Gallons		
	Kerosene <sup>1</sup>	6,000-12,000 Gallons		
	Gasoline	5,000 Gallons		
Lubricant	Engine Oil	< 500 Gallons	Bulk Storage or Retail Packaging at Contractor Yard Warehouse	1-3 "Grease" Trucks
	Transmission/ Drive Train Oil	< 500 Gallons		
	Hydraulic Oil	< 500 Gallons		
	Gear Oil	< 500 Gallons		
	Lubricating Grease	20-30 cases of 24 cans per case		
Coolants	Ethylene Glycol	100 Gallons		
	Propylene Glycol	100 Gallons		

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

## **2.0 Storage and Handling of Fuels/Hazardous Liquids**

### **2.1 Typical Fuels, Lubricants and Hazardous Materials**

The table above identifies fuels, lubricants and coolants that are generally present on pipeline construction spreads and identifies typical total volumes, storage and transportation methods.

### **2.2 Storage of Fuel and Hazardous Liquids - General**

The contractor shall follow proper storage practices for fuels and hazardous liquids, including, but not limited to, the following:

- Fuel storage shall be performed at contractor yards only or as approved by PPEC.
- Tools and materials to stop the flow of leaking tanks and pipes shall be kept on-site. Such equipment must include, but not be limited to, plugs of various sizes, a hammer, assorted sizes of metal screws with rubber washers, a screwdriver, and plastic tape.
- Fuels, lubricants, waste oil, and any other regulated substances shall be stored in aboveground tanks only.
- Storage tanks and containers must conform to all applicable industry codes (NFPA, UFC, etc.).
- A suitable secondary containment structure must be utilized at each fuel storage site. These structures must be lined with suitable plastic sheeting; provide a minimum containment volume equal to 150 percent of the volume of the largest storage vessel; and provide at least 1 foot of freeboard.
- If earthen containment dikes are used, they shall be constructed with slopes no steeper than 3:1 (horizontal to vertical) to limit erosion and provide structural stability.
- Secondary containment areas must not have drains. Precipitation may be drawn off as necessary. If visual inspection indicates that no spillage has occurred in the secondary containment structure, accumulated water may be drawn off and sprayed on the surrounding upland areas. If spillage has occurred in the structure, accumulated waste shall be drawn off and pumped into drum storage for disposal.
- Vehicle maintenance wastes, including used oils and other fluids, shall be handled and managed by personnel trained in the procedures outlined in this plan. Vehicle maintenance wastes will be stored and disposed of in accordance with Section 6.0 of this SPCC Plan.

### 2.3 Refueling

Fuels shall be dispensed by authorized personnel only. Adequate lighting will be provided for refueling after dark.

### 2.4 Refueling and Fuel Storage Near Wetlands, Waterbodies and Rural Residences

The storage of petroleum products, refueling and lubricating operations must take place in upland areas that are located more than 100 feet from wetlands, streams, and waterbodies (including drainage ditches), and 150 feet from water supply wells. In addition, the contractor must store hazardous materials, chemicals, fuel and lubricating oils, and perform concrete coating activities outside these areas. Auxiliary fuel tanks solidly attached to construction equipment or pumps are not considered storage and are acceptable.

In certain instances, refueling or fuel storage may be unavoidable due to site-specific conditions or unique construction requirements (e.g., continuously operating pumps). The Environmental Inspector must approve these locations in advance. In addition to those practices described above, the following precautions will be taken when refueling within 100 feet of streams, wetlands, waterbodies or 150 feet of water wells:

- Adequate amounts of absorbent materials and containment booms must be kept on hand by each construction crew to enable the rapid containment and cleanup of any spill, which may occur.
- If fuel must be stored within wetlands or near streams for refueling of continuously operating pumps, secondary containment must be provided.
- Secondary containment structures must be lined with suitable plastic sheeting, provide a containment volume of at least 150 percent of the storage vessel, and allow for at least one foot of freeboard.
- Procedures regarding excavation and disposal of contaminated soil material from wetlands or near waterbodies are described in Section 5.2 of this SPCC Plan.

## 3.0 Initial Spill Management

### 3.1 Immediate Response

Immediately upon learning of any fuel, oil, hazardous material or other regulated substance spill, or upon learning of conditions that will lead to an imminent spill, the person discovering the situation shall:

- Initiate actions to contain the fluid that has spilled or is about to spill, and initiate action to eliminate the source of the spill to the maximum extent that is safely possible.
- Notify the Spill Coordinator and provide them with the following information:



## Spill Prevention, Containment, and Countermeasures Plan

- Location and cause of the spill
- The type and amount of material that has spilled
- Whether the spill has reached or is likely to reach any surface water

Upon learning of a spill or a potential spill the Spill Coordinator shall:

- Assess the situation and determine the need for further action.
- Direct subsequent activities and/or further assign responsibilities to other personnel.
- Notify the Environmental Inspector.

### 3.2 Mobilization

- The Spill Coordinator shall mobilize on-site personnel, equipment, and materials for containment and/or cleanup commensurate with the extent of the spill.
- If the spill is determined to be significant, the Spill Coordinator shall notify the Representative otherwise the Representative will be notified by a copy of the Spill Report.
- If the Spill Coordinator believes that a spill is beyond the scope of on-site equipment and personnel, the Spill Coordinator shall immediately notify the Construction Superintendent that an Emergency Response Contractor is needed to contain and/or clean up the spill. Appendix A of this SPCC Plan contains a list of potential Emergency Response Contractors.
- The Spill Coordinator shall assist the Emergency Response Contractor and monitor containment procedures to ensure that the actions are consistent with the requirements of this SPCC Plan.

## 4.0 Spill Notification Responsibilities

### 4.1 Notification Volumes

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

### 4.2 Spill Report Form

The Environmental Inspector shall complete a Spill Report Form (Appendix B) for each release of a regulated substance, regardless of volume. The Spill Report Form must be submitted to the Representative within 24 hours of the occurrence of a spill. To complete the Spill Report Form, the Spill Coordinator shall compile the following information:

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- A legal description of the spill location, pipeline milepost and specific directions from the nearest community.
- The time and date of the spill, and the time and date the spill was discovered.
- The type and estimated volume of spilled material, and the manufacturer's name.
- The media in which the spill exists (e.g., soil, water, etc.).
- The topography and surface conditions of the spill site.
- Proximity of surface waters.
- Weather conditions.
- Name, company, address and telephone number of the Construction Superintendent, Spill Coordinator, representative, and the person who reported the spill.
- The cause of the spill.
- Immediate containment and/or cleanup actions taken.
- Current status of cleanup actions.

Follow-up written reports, associated laboratory analyses and other documentation may also be required separately on a case-specific basis and are the responsibility of the contractor.

### 4.3 Agency Notification

The Environmental Inspector or Contractor shall call PPEC representatives as required.

The PPEC representative will make determinations regarding agency reporting. If reporting is necessary the PPEC representative will provide direction to contractor agencies to be contacted. The contractor is ultimately responsible for reporting their spills and complying with all relative local, state and federal environmental regulations.

## 5.0 Spill Containment and Cleanup

In the event of a spill, the Contractor will abide by applicable federal, state and local regulations with respect to cleaning up the spill. All clean-up and other construction related spill activities must be completed by, and costs assumed by the contractor. Specific control and clean-up measures for both upland and wetland/waterbody spills are described below.

### 5.1 Spill Control and Clean-up - Upland Areas

- If a spill should occur during refueling operations, **STOP** the operation until the spill can be controlled and the situation corrected.

## Spill Prevention, Containment, and Countermeasures Plan

- Spill sources must be identified and contained immediately.
- For large spills on land, the spill must be contained and pumped immediately into tank trucks. The contractor or, if necessary, an Emergency Response Contractor, shall excavate contaminated soil. Appendix A of this SPCC Plan lists potential Emergency Response Contractors.
- Spilled material and contaminated soil must be treated and/or disposed of in accordance with applicable federal, state, and local requirements (Section 6.0).
- Smaller spills on land shall be cleaned up with absorbent materials. Contaminated soil or other materials associated with these releases shall also be collected and disposed of in accordance with applicable regulations (Section 6.0).
- Flowing spills must be contained and/or absorbed before reaching surface waters or wetlands.
- Absorbent material(s) shall be placed over spills to minimize spreading and to reduce its penetration into the soil.
- The Spill Coordinator and/or Representative, in consultation with appropriate agencies, determines when spill sites will be evacuated as necessary to safeguard human health. Evacuation parameters shall include consideration for the potential of fire, explosion, and hazardous gases.

### 5.2 Spill Control and Cleanup - Wetlands and Waterbodies

In addition to the measures described previously in this SPCC Plan, the following conditions shall apply if a spill (regardless of size) occurs near or into a stream, wetland or other waterbody:

- If a spill should occur during refueling operations, **STOP** the operation until the spill can be controlled and the situation corrected.
- For spills into streams, lakes or other waterbodies containing standing or flowing water, regardless of size, the Representative must promptly notify the National Response Center.
- For spills in standing water, floating booms, skimmer pumps and holding tanks shall be on-hand and used by the Contractor to recover and contain released materials on the surface of the water.
- If necessary, for large spills in waterbodies, an Emergency Response Contractor must be secured to further contain and clean up the spill. A list of potential Emergency Response Contractors is included in Appendix A of this SPCC Plan.
- Contaminated soils in wetlands must be excavated and placed on, and covered by, plastic sheeting in bermed areas a minimum of 100 feet away from the wetland. Dispose of contaminated soil as soon as possible in accordance with Section 6.0 of this SPCC Plan.

## **6.0 Storage and Disposal of Contaminated Materials**

- Appendix A of this SPCC Plan lists potential treatment and disposal facilities for contaminated materials, petroleum products and other construction-related wastes.
- All contaminated soils, absorbent materials, and other wastes shall be stored and disposed of by the contractor in accordance with applicable state and federal regulations.
- Only licensed carriers may be used to transport contaminated material from the site to a disposal facility.
- If it is necessary to temporarily store excavated soils on site, these materials shall be 1) contained in plastic bags or, 2) placed on, and covered by, plastic sheeting, and the storage area bermed to prevent and contain runoff.

## **APPENDIX A**

### **Emergency Response Contractors: Disposal and Treatment Facilities**

**APPENDIX A**  
**Emergency Response Contractors;**  
**Disposal and Treatment Facilities**

The contractor must dispose of all wastes according to applicable state and local requirements. A list of potential Emergency Spill Response Contractors and waste disposal facilities is provided below. This list was developed from statewide databases. This list represents firms operating at the time the database was produced. These firms are not necessarily endorsed by PPEC. The contractor is responsible for verifying if a contractor or facility is currently operating under appropriate permits or licenses or if there are other approved options available for his use. Selection of an Emergency Response Contractor or disposal facility is subject to approval by PPEC. The contractor is responsible for ensuring wastes are disposed of properly.

**Spill Response Contractors**

Oil Mop, LLC  
P.O. Box 56981  
New Orleans, LA 70156  
Phone – 504-394-6110 (24 hour)

**Disposal Facilities**

Oil Mop, LLC  
P.O. Box 56981  
New Orleans, LA 70156  
Phone – 504-394-6110 (24 hour)

**Thermal Treatment Facilities and Asphalt Plants Authorized to Treat Soil**

Oil Mop, LLC  
P.O. Box 56981  
New Orleans, LA 70156  
Phone – 504-394-6110 (24 hour)

**APPENDIX B**

**Pine Prairie Energy Center, LLC**

**Spill Report Form**

**Pine Prairie Energy Center, LLC  
Construction Spill Report Form**

Date of Spill: \_\_\_\_\_  
Time of Spill: \_\_\_\_\_

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

Name and Title of Discoverer: \_\_\_\_\_  
Type of material spilled and manufacturer's name: \_\_\_\_\_  
Legal Description of spill location: \_\_\_\_\_  
Directions from nearest community: \_\_\_\_\_  
Estimated volume of spill: \_\_\_\_\_  
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: \_\_\_\_\_  
\_\_\_\_\_

Representative: \_\_\_\_\_  
\_\_\_\_\_

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

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

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

**Spill Coordinator must complete this for any spill, regards of size, and submit the form to the PPEC Representative within 24 hrs of the occurrence.**