

APPENDIX H

SPILL PREVENTION AND RESPONSE PROCEDURES

Spill Prevention and Response Procedures

PURPOSE

Transwestern Pipeline Company, LLC (Transwestern) has developed this procedure for the Phoenix Expansion Project (Project) to provide preventative and mitigative measures to minimize the environmental impact associated with spills or releases of fuel, lubricant, or hazardous materials, during construction and refueling activities and during special refueling activities within 100 feet of waterbodies, wetland boundaries, or within municipal watersheds.

RESPONSIBILITY OF IMPLEMENTATION

Transwestern through their contractor(s) and inspectors shall be responsible for the implementation of this plan. Transwestern will comply with applicable federal, tribal, state, and local regulations applicable to the location of refueling, storage, waste removal, and other activities involving fuels and hazardous materials.

PROCEDURE

Preventative Actions

The following preventative actions and procedures shall be accomplished prior to construction:

Storage, Refueling and Lubrication Areas

Prior to the start of construction in an area, the contractor shall designate locations for storage, refueling and lubrication of equipment and materials, which minimize the environmental, and safety impacts associated with releases of fuel, lubricants, or hazardous substances. These areas will be designated using the following guidelines.

1. Refueling and storing potentially hazardous materials shall not occur within a 200-foot radius of all private water wells and a 400-foot radius of all municipal or community water supply wells.
2. Storing of fuel, lubricant, or hazardous materials within 100 feet of a waterbody, wetland boundary, or within a designated municipal watershed shall be prohibited, unless the location is designated for such use by an appropriate governmental authority. This applies to storage of these materials and does not apply to normal operation or use of equipment in these areas.
3. No potentially hazardous materials, other than essential equipment fuels (e.g., gasoline, diesel, etc.) or standard lubricants (e.g., engine oils, grease, etc.) shall be transported onto the right-of-way or construction area without Project Environmental Inspector coordination and approval.
4. Heavy equipment used in the Project area will be inspected daily for leaks. No leaking equipment may be used within 100 feet of any water of the U.S. including wetlands.
5. To prevent introduction of petrochemicals into waters of New Mexico and Arizona, fuel, oil, hydraulic fluid, lubricants, and other petrochemicals stored within a floodplain must have an appropriately sized impervious secondary containment system to prevent spills. The permittee shall contain and remove any petrochemical spills, including contaminated soil, and dispose of these materials at an approved disposal site.

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General Petroleum Products, Quantities, and Storage

Typical fuels used in the Project area include diesel and gasoline. Typical lubricants used include engine oil, transmission/drive train oil, hydraulic oil, gear oil, and general lubricating grease. Typical coolants used are glycols (anti-freeze).

Quantity of fuel storage varies but is usually approximately 6,000 – 12,000 gallons stored in tanks or tankers at contractor yards. Smaller quantities are sometimes stored temporarily in the construction area along the right-of-way. Fuel transport is typically accomplished by the use of fuel trucks for larger quantities and by pickup trucks transporting smaller quantities, from 5 to 100 gallons. Lubricants and coolants are generally stored in bulk or retail packaging at contractor yards in quantities typically less than 500 gallons and transported in trucks to the construction area as needed.

Fuel and lubricant containers of all volumes will be stored within secondary containment. Secondary containment will be able to hold the volume of the largest container stored within the containment structure.

Special Refueling Activities

When unique conditions require refueling within 100 feet of a waterbody, wetland boundary, or within any designated municipal watersheds, a determination of necessary emergency response actions shall be conducted prior to refueling activities. At a minimum, any determination shall be based upon the environmental risks of relocating equipment to a refuel/lubrication area versus risks involved with refuel/lubrication in place. A Project Environmental Inspector must find, in advance, that there is no reasonable alternative and that the contractor will take appropriate steps (including secondary containment) to prevent spills. In addition, absorbent materials or other spill containment materials shall be available for immediate application prior to commencing refueling activities.

Fuel trucks transporting fuel to on-site equipment will travel only on approved access roads.

Each construction crew shall have on hand sufficient supplies of absorbent, barrier materials, and U.S. Department of Transportation-approved containers to allow for rapid containment and recovery of any spill of any hazardous material.

If pumps used for hydrostatic testing will be within 100 feet of any waterbody or wetland or within 200 feet of any private water well, the pump will be placed within a portable secondary containment structure that is capable of capturing any fuel leaks. Also, all refueling of the pump will occur within the secondary containment and all fuel containers will be stored within appropriately sized secondary containment. The pump secondary containment will be routinely monitored and cleaned of fuel leakage.

Waste Removal

Procedures and individual responsibilities regarding excavation, transportation, and off-site disposal of any soil-contaminated material from a spill of a hazardous material shall be established prior to construction.

Whenever any spill of a hazardous or potentially hazardous substance occurs, the Environmental Inspector shall be notified. The Environmental Inspector will help direct further response actions in accordance with EPA and other regulatory guidelines and assist throughout the cleanup and disposal of wastes.

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The Environmental Inspector shall also ensure compliance with the following laws and/or regulations for spill response/cleanup activities located on Navajo Nation lands:

- Navajo Nation Environmental Protection Act
- Navajo Nation Solid Waste Regulations
- Navajo Nation Safe Drinking Water Act
- Navajo Nation Water Quality Regulations
- Navajo Nation Solid Waste Act
- Navajo Nation Water Quality Standards
- Navajo Nation Clean Water Act

Spill and Emergency Response for Hazardous Substances

Prior to construction, the contractor shall submit a Spill and Emergency Response for Hazardous Substances Plan to Transwestern for approval. The plan shall comply with all applicable federal, state, and local regulations and shall reference the applicable regulations. On Navajo Nation lands these would include the following:

- Navajo Nation Environmental Protection Act
- Navajo Nation Solid Waste Regulations
- Navajo Nation Safe Drinking Water Act
- Navajo Nation Water Quality Regulations
- Navajo Nation Solid Waste Act
- Navajo Nation Water Quality Standards
- Navajo Nation Clean Water Act

The plan shall include guidelines and procedures for characterizing, storing, handling, and disposing of hazardous substances and for emergency response operations.

The plan shall include, but not be limited to, spill control, clean up, notification, characterization and disposal procedures. All contractor supervisors and personnel handling hazardous substances shall be familiar with these procedures.

1. **Spill Control:** Following a spill, efforts shall be made to immediately control the source of the discharge and contain the spill. Absorbent materials shall be deployed with efforts directed to limiting the area of contamination. Every effort shall be made to prevent any spill from reaching wetlands or waterbodies. If a spill should reach surface waters, straw bales, booms, and absorbent materials shall be immediately deployed to contain and reduce downstream migration of the spilled material.
2. **Cleanup:** Once a spill is contained, cleanup activities shall begin immediately. All spilled material, contaminated soil, and absorbent material shall be picked up and containerized for disposal. In the event of a large spill or a spill that migrates into surface waters, waste cleanup specialists shall be called in to assist in cleanup efforts. The contractor shall be required to

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submit prior to beginning construction a list of cleanup contractor's to the Project for approval.

3. Spill Report Form: Following any spill, contractor shall submit a spill report form for distribution to the Project's Chief Environmental Inspector.
4. Disposal: Transwestern will provide a list of commercial disposal facilities for contractor's reference. The contractor is responsible for arranging disposal with these facilities or other approved facilities as appropriate.
5. All waste identification/characterization, handling, labeling, storage, manifesting, transportation, record keeping, and disposal shall be in accordance with all applicable federal, state, and local regulations and ordinances and shall be the responsibility of the contractor.
6. The contractor will be required to provide Transwestern with copies of sample results, shipping manifests, chain-of-custodies, and bill of lading for wastes transported for disposal upon request. The documentation will also describe the type and quantity of waste material disposed of.
7. Contractor shall have available at each spread office all Material Safety Data Sheet's for diesel fuel, gasoline, lubrication oil and other hazardous materials used on the Project.
8. Field Notification: As soon as possible after beginning spill control and cleanup activities, contractor shall notify the Project's Chief Inspector and Environmental Inspector.

The Chief Environmental Inspector will determine if the spill is reportable. Notification of appropriate agencies will be the responsibility of the Project.

New Mexico - No established reportable quantity for hazardous material spills

NOTE: Any amount of any material in such quantity as may with reasonable probability injure or be detrimental to human health, animal or plant life, or property, or may unreasonably interfere with the public welfare or the use of property must be reported. This includes chemical, biohazardous, petroleum-product, and sewage spills and incidents. In addition to recent spills, the discovery of evidence of previous unauthorized discharges, such as contaminated soil or groundwater, also must be reported.

Arizona – Immediately report releases that exceed the Report Quantity as established in the federal hazardous material incident regulations.

9. Agency Notification: Agency notification will be made of reportable spills. Written reports of the spills into state waters of oil or hazardous substances and materials will be provided as directed.

Emergency Contacts:

State of New Mexico – Emergency Response Coordinator

Emergency Notification – 505/827-9329 (24-hour/7-day)

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The National Response Center will be contacted when directed by the lead state agency at (800) 424-8802.

BLM – Farmington Office – To Be Determined

State of Arizona – Emergency Response Coordinator

Emergency Notification – 602/771-2330

BLM – Phoenix Office – To Be Determined

BLM – Lower Sonoran Office – To Be Determined

US Forest Service – Kaibab National Forest, Williams Ranger District

US Forest Service – Prescott National Forest, Chino Valley Ranger District

Contact numbers during normal business hours:

New Mexico Environmental Department – 505/428-2500

Non-Emergency Notification – 866/428-6535

U.S. EPA-9 Response Center – 415/947-4400

Arizona Non-Emergency Notification – 602/771-2308

Navajo Nation Contacts:

NNEPA Window Rock Office – 928/871-7996 (report all spills)

Police and Fire Department Phone Numbers					
Agency	Chapter	Police District	Telephone Number	Fire Department	Telephone Number
Eastern Navajo	Huerfano	Crownpoint	505-786-2050 / 2051	Bloomfield	911 / 505-334-6622
Shiprock	Burnham	Shiprock	505 368-1350 / 1351	Shiprock	
Eastern Navajo	White Rock	Crownpoint	505-786-2050 / 2051	Crownpoint	
Fort Defiance	Tohatchi	Tohatchi Sub-Station of Crownpoint		Crownpoint	
Fort Defiance	Coyote	Tohatchi Sub-Station of Crownpoint		Crownpoint	
Eastern Navajo	Standing Rock	Crownpoint	505-786-2050 / 2051	Crownpoint	
Eastern Navajo	Nahodishgish	Crownpoint	505-786-2050 / 2051	Crownpoint	
Eastern Navajo	Pinedale	Crownpoint // McKinley Co. Sheriff	505-786-2050 / 2051 // 505-722-7205	Crownpoint	
Eastern Navajo	Church Rock	Crownpoint // McKinley Co. Sheriff	505-786-2050 / 2051 // 505-722-7205	Crownpoint	
Eastern Navajo	Thoreau	Crownpoint // McKinley Co. Sheriff	505-786-2050 / 2051 // 505-862-7155	Thoreau	

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Foreign Pipeline Crossing Contacts:

In the event the spill clean-up activities involve excavation work near or over existing pipelines parallel or perpendicular to the construction area, the following contact information is provided by milepost.