APPENDIX S

SPILL PREVENTION AND RESPONSE PLAN

TABLE OF CONTENTS

ATTACHMENTS

TABLES

ACRONYMS AND ABBREVIATIONS

CFR	Code of Federal Regulations
Plan	Spill Prevention and Response Plan
Project	TransWest Express Transmission Project, or TWE Project
ROD	Record of Decision
ROW	right-of-way
SPCC	Spill Prevention, Control, and Countermeasures
TransWest	TransWest Express LLC
TWE Project	TransWest Express Transmission Project, or Project
USDOT	U.S. Department of Transportation
USFS	U.S. Forest Service

S1.0 INTRODUCTION

This Spill Prevention and Response Plan (Plan) identifies the specific methods that TransWest Express LLC (TransWest) will follow to address spill prevention, response, and cleanup of materials that require special consideration such as oil or chemicals, for the TransWest Express Transmission Project (TWE Project, or Project). In conjunction with this Plan, TransWest has developed Appendix L, Hazardous Materials Management Plan, which identifies specific measures that TransWest will take to reduce the risks associated with the use, storage, transportation, and disposal of hazardous materials. All references to this Appendix Plan or other Appendix Plans are references to the Plan of Development appendices unless otherwise noted.

This Plan addresses requirements from the federal agencies' Records of Decision (RODs) that apply to spill prevention and response (Bureau of Land Management 2016; U.S. Bureau of Reclamation 2017; U.S. Forest Service [USFS] 2017; Western Area Power Administration 2017). The ROD requirements considered in this Plan are listed in Section S4.0, Record of Decision Requirements Addressed in Plan. When ROD requirements are directly addressed in the text, they are accompanied by a gray box with the corresponding requirement number (see example to right). A full list of ROD requirements is available in Appendix Z, Record of Decision Requirements Index.

ABC-123

In some instances, the RODs include location-specific requirements of the Project, which are described in Section S3.0, Location-Specific Information. Wyoming, Colorado, Utah and USFS in Utah, and Nevada have location-specific requirements described in this Plan.

S1.1 Plan Purpose

The purpose of this Plan is to describe measures that TransWest will use to prevent, respond to, and control spills of hazardous materials, and to describe measures to minimize a spill's effect on the environment. If applicable, TransWest will prepare and implement a Spill Prevention, Control, and Countermeasures (SPCC) Plan, in accordance with 40 Code of Federal Regulations (CFR) 112 for Project facilities that store more than 1,320 gallons of oil in containers with shell capacities of 55 gallons or greater, prior to the start of construction. TWE Project facilities that may require a SPCC Plan include material yards, batch plants, terminals, and substations.

S1.2 Plan Updates

This Plan has been updated to include requirements of the RODs. TransWest will be responsible for implementing their detailed work procedures within the practices described and may update this Plan if additional procedures or Project details are warranted. Actions described below may be subject to change if monitoring and associated adaptive management warrant other, more effective strategies. Updates to this Plan or the approaches described herein will take place in concert with the agencies and with concurrence from the Authorized Officer. In addition, a SPCC Plan will be developed when required prior to storage of oil at a specific Project facility.

S1.3 Materials, Quantities, and Storage Considered in This Plan

During Project activities, TransWest will use various petroleum products and chemicals that require special consideration in the event of a spill.

Typical fuels used for the Project include diesel fuel and gasoline. Typical lubricants for the Project include engine oil, transmission/drive train oil, hydraulic oil, gear oil, and general lubricating grease. Typical coolants include glycols such as anti-freeze.

PHS-11

The quantity of fuel storage will vary generally from 500 to 1,000 gallons in aboveground storage tanks at designated construction yards. Quantities of oil greater than 1,320 gallons necessitate the implementation of a SPCC Plan as described in 40 CFR 112. Aboveground storage tanks or other bulk oil storage containers will be equipped with secondary containment sized to contain the largest volume of oil and will be designed to contain at least 110% of the largest container volume within each containment area. Fuel trucks will be used to transport large quantities of fuel. Smaller quantities of fuel, 5 to 100 gallons, may be stored temporarily in the construction area along the right-of-way. Pickup trucks will be used to transport these smaller quantities of fuel.

Lubricants and coolants will be 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. Chemicals may also be stored onsite in varying quantities.

S2.0 SPILL PREVENTION AND RESPONSE

The following sections describe various spill prevention measures that TransWest will implement to reduce the potential for a spill to occur. The measures include conducting oil transfer operations in accordance with applicable oil pollution prevention and safety requirements and conducting periodic inspections and personnel training.

S2.1 Oil Transfer Operations

S2.1.1 Hydraulic and Lubricating Oils

The hydraulic and lubricating oils in construction vehicles are typically replenished or replaced on an infrequent basis. For equipment that must be serviced onsite, the hydraulic and lubricating oils will be handled using U.S. Department of Transportation (USDOT)-approved containers, each of which will have a shell capacity of less than 55 gallons. Field crews will have access to spill kits that contain sorbent materials to contain leaks or spills resulting from this maintenance. Typical spill kits contain absorbent pads, socks, booms, shovel, plastic bags for disposal, safety goggles, and gloves. Spill kits will be located at on-site facilities that store hydraulic and lubricating oils and on equipment fueling and service vehicles. Transfer equipment will be equipped with USDOT-approved spill prevention mechanisms. Highway-capable vehicles will generally be serviced at properly equipped maintenance sites or commercial service stations.

S2.1.2 Diesel Fuel and Gasoline

Diesel fuel and gasoline will be delivered by tank truck to aboveground storage tanks, where construction vehicles will refuel. Each fuel truck will be equipped with automatic shutoff valves and will carry spill kits. All fuel and service vehicles will carry a minimum 20 pounds of suitable absorbent material to handle potential spills.

When tank truck loading/unloading operations occur, Project personnel will ensure that procedures at the site meet the minimum requirements and regulations established by the USDOT. Fuel transfer operations will occur through aboveground unloading hoses, which will be supported and designed to minimize

abrasion during transfer operations. To prevent tank truck vehicles from departing before the transfer hose is disconnected, TransWest will implement the spill prevention techniques listed below.

- Set up temporary barriers, warning signs, or both to prevent a tank truck from leaving before the completion of unloading (see Appendix I, Flagging, and Signage Plan).
- Place wheel chocks on tank truck tires to prevent vehicle movement during unloading.
- Closely inspect the lowermost drain and all outlets for discharges.
- Keep tank truck drains/outlets tightened, adjusted, or replaced, as needed.

TransWest will take the following measures to prevent spills prior to, during, and after unloading.

- Prior to unloading, fuel levels will be verified, connections checked, and hoses examined for integrity. Signs will be posted warning vehicular traffic operating in the transfer area to use caution.
- During unloading, only trained personnel will be authorized to conduct the transfer. The transfer and pumping system will be continually monitored for leaks and the fuel level in the receiving container will be frequently monitored to prevent overfilling.
- After unloading, the transfer hose will be properly drained and disconnected, and tank truck drains and connections will be checked for proper closure prior to departure.

During construction, the Construction Contractor(s) will implement refueling procedures for heavy equipment that is located on the Project right-of-way (ROW) and cannot feasibly be moved to designated refueling and servicing areas such as cranes, blades, dozers, and drill rigs. This type of equipment will be refueled in place. When refueling or servicing of heavy equipment on the ROW is necessary, personnel will have a sufficient supply of absorbent materials (a minimum of 20 pounds), barrier materials, and USDOT-approved containers prior to commencing refueling activities to allow for rapid spill containment and recovery in the event of a release. In addition, portable containment and drip pans will be used to prevent spills during fueling and servicing. No passenger or light-duty vehicles will be allowed to refuel on the ROW.

Except for heavy equipment that cannot be feasibly moved, vehicle refueling, servicing, and overnight parking will be performed in designated areas located more than 100 feet from intermittent streams, and more than 500 feet from perennial streams (see Appendix W, Water Resources Protection Plan). Refueling will be at least 100 feet from wetlands, and more than 500 feet, where feasible (see Appendix W, Water Resources Protection Plan). TransWest will also avoid vehicle refueling, servicing, and overnight parking within 100 feet of ephemeral streams and other sensitive resources where feasible (e.g., historic properties, special-status plant species habitat, etc.). If unique conditions require refueling, servicing, or overnight parking of vehicles other than heavy equipment that cannot be feasibly moved within designated buffers on federal land, TransWest will request a variance and will conduct a site evaluation in coordination with the Compliance Inspection Contractor to determine potential necessary emergency response preparations that must be conducted prior to activities in these areas.

Vehicle refueling and servicing areas will be marked in the field as described in Appendix I, Flagging, Fencing, and Signage Plan. Vehicle refueling and servicing personnel will have readily available a sufficient supply of absorbent materials (a minimum of 20 pounds) barrier materials, and USDOT-approved containers prior to commencing refueling activities to allow for rapid spill containment and recovery in the event of a release. Fuel trucks transporting fuel to onsite equipment will travel only on approved access roads.

S2.2 Secondary Containment and/or Diversionary Structures

PHS-11

TransWest will provide secondary containment for bulk oil storage, hazardous material storage areas, and hazardous waste storage areas. TransWest has developed oil transfer/unloading procedures (see Section S2.1, Oil Transfer Operations) and will have spill response materials available that can be used as soon as possible to respond to a discharge, should an incident occur.

S2.3 Inspections and Personnel Training

S2.3.1 Inspections

TransWest will conduct weekly inspections of oil-containing equipment and facilities. These inspections will include the items listed below, as applicable, and will be recorded and maintained on-file, either with paper inspection forms or electronically. An example form is provided in Attachment S-2.

- Container foundation
- Container shell condition
- Container label
- Tank level control
- Piping condition
- Piping supports
- Piping flange or expansion joints
- Piping valve glands and bodies
- Valve locks
- Oil levels
- Oil gauges
- Oil leaks of any type
- Stains and accumulated free product on the ground

S2.3.2 Personnel Training

Project personnel will receive hazardous material awareness training in accordance with Appendix L, Hazardous Materials Management Plan. Prior to the start of Project activities, TransWest will train hazardous material-handling personnel on methods to prevent, control, and respond to a hazardous material spill. Newly hired personnel who work in facilities where hazardous materials are stored will be informed of storage locations and emergency plan procedures in the event of an accidental spill. New personnel who work with hazardous materials will be trained in the proper management of those materials under normal operating circumstances and under emergency circumstances. Hazardous material-handling personnel will be trained on the topics listed below.

- Operations and maintenance of equipment to prevent discharges
- Applicable state and federal laws, rules, and regulations
- Spill reporting procedures

- Spill containment and recovery procedures
- Storage of hazardous materials
- Location and use of spill kits
- Safety and health considerations, including appropriate personal protective equipment
- General facility operations
- Contents of this Plan

S2.3.3 Emergency Response Coordination

TransWest will identify an Emergency Response Coordinator prior to Project activities. The number of emergency response coordinators will vary with TWE Project construction activities. It is anticipated that an Emergency Response Coordinator will be assigned to each active construction spread. The Emergency Response Coordinator will provide emergency response coordination for spill and hazardous materials emergencies and delegate response efforts as appropriate . Refer to Appendix F, Emergency Preparedness and Response Plan, for additional information on the responsibilities of the Emergency Response Coordinator(s) and emergency procedures, including incident reporting.

S2.4 Spill Response and Countermeasures

Project supervisors and personnel handling hazardous materials will be familiar with, and implement, emergency procedures outlined in Appendix F, Emergency Preparedness and Response Plan, appropriate handling of hazardous materials as outlined in Appendix L, Hazardous Materials Management Plan, and spill control and cleanup procedures outlined in this Plan.

In the event of an emergency, Project personnel will evacuate the area, call 911, and follow the emergency procedures outlined in Appendix F, Emergency Preparedness and Response Plan.

PHS-13
PHS-15

When a spill is not an immediate threat to human health or safety, TransWest will document the spill and commit the manpower, equipment, and materials necessary to respond to and control the spill. TransWest will implement the spill response measures described in Section S2.0, Spill Prevention and Response, to control the source of the discharge and contain the spill. Absorbent materials will be deployed to limit the area of contamination. Hazardous material remaining on the ground surface and contaminated materials will be removed and the affected area(s) cleaned to meet applicable standards, in coordination with the appropriate land management agency and/or agency (see Attachment S-2). TransWest will also implement the spill response measures described in Section S2.0, Spill Prevention and Response to prevent a spill from reaching wetlands or waterbodies. If a spill should reach surface waters, TransWest will deploy straw bales, booms, and absorbent materials within the waterway to contain and reduce downstream migration of the spilled material. Spills in water may be contained by building an enclosed berm, starting on the downstream side, and having an available vac-truck or pumps and tanks available. A downstream inspection will be conducted to look for affected areas.

PHS-13

Once a spill is contained, cleanup activities will begin as soon as possible. All spilled material, contaminated soil, and absorbent material will be picked up and contained for disposal. Prior to beginning construction within a segment, TransWest's Emergency Response Coordinator or designee will compile a list of local spill response contractors and commercial disposal facilities. If necessary, TransWest will excavate contaminated soil and debris and properly contain and dispose of these materials at an offsite, permitted waste disposal facility. TransWest will

provide the final disposal location for any hazardous material spills to the appropriate land managing agency. If TransWest needs assistance to clean a spill or a spill migrates into surface waters, TransWest will contact the appropriate spill response contractors to assist in cleanup efforts. TransWest will document the event, including information such as a root cause analysis, corrective actions taken, and environmental or health and safety impacts as practicable. Agency notifications will be made, and documentation provided if necessary. A list of typical spill containment measures is provided in Attachment S-1. An example Spill Report Form is provided in Attachment S-2.

TWE-22

Runoff from excavated areas; construction materials or wastes (including truck washing and concrete washes); and chemical products such as oil, grease, solvents, fuels, and pesticides will be controlled. Excavated material or other construction material will not be stockpiled or deposited on or near stream banks, lake shorelines, ditches, irrigation canals, or other areas where runoff could impact the environment. See Appendix N, Noxious Weed Management Plan, for pesticide application, handling, spill, and cleanup measures. See Appendix T, Stormwater and Erosion Control Plan, for runoff control measures.

S2.5 Agency Notification

S2.5.1 Emergency Contacts

TWE-62

TransWest will report any release of reportable quantities of hazardous substances or petroleum (leaks, spills, etc.) to the National Response Center and the applicable land-management agency or landowner and will be responsible for required cleanup (see Attachment S-3). TransWest will provide information on the size and nature of the release, the location and/or site involved. TransWest will follow the Environmental Protection Agency's (2019) designations of specific substances as hazardous, identified quantities of substances which, when released, require notification, and established notification requirements, and will adhere to measures contained in Appendix L, Hazardous Materials Management Plan. Location-specific guidance on reporting spills is described in Section S3.0, Location-Specific Information. Project crews will notify TransWest as soon as possible after beginning spill control and cleanup activities.

In addition to recent spills, the discovery of evidence of previous unauthorized discharges estimated to be above reportable quantities, such as contaminated soil or groundwater, will also be reported.

TransWest will document the spill as described above and provide the documentation to the relevant land management agency's Authorized Officer. When necessary, the documentation will note the cause of the spill and corrective measures taken to prevent another spill from occurring. Attachment S-3 lists the federal and state agency contacts, based on the jurisdictions crossed by the Project right-of-way, that TransWest will notify in the event of a reportable spill from a Project facility or construction area.

S3.0 LOCATION-SPECIFIC INFORMATION

This section describes location-specific information for the Project. Information described in this section is supplemental to the details provided in the previous sections of this Plan. This section contains location-specific information for Wyoming, Colorado, Utah and USFS land in Utah, and Nevada. Attachment S-3 lists the federal and state agency contact information for reporting spills.

S3.1 Wyoming

For state-specific spill reporting in Wyoming, TransWest will follow the guidance detailed in Wyoming Water Quality Rules and Regulations, Chapter 4 , Releases of Oil & Hazardous Substances into Waters, and will report to the Wyoming Department of Environmental Quality.

A hazardous substance release in any amount which enters, or threatens to enter, waters of the state shall be reported, contained, removed, and disposed of in accordance with the regulations. Any person owning or having control over oil or a hazardous substance which, after release, enters, or threatens to enter, waters of the state shall:

- Immediately take appropriate action to stop and contain the release.
- Immediately notify the division of the type, quantity, and location of the release, and of the response, containment, and cleanup actions which have been taken or are proposed to be taken.
- Immediately proceed to correct the cause of the release.
- Within 7 days following a release, submit a complete written report to the division describing the reportable release and steps taken to prevent a recurrence.

The following releases are not required to be reported to the division provided the release does not physically enter waters of the state, and it is immediately contained, removed, and disposed of in accordance with departmental regulations:

- Ten barrels (420 gallons) or less of crude oil, petroleum condensate, produced water, or a combination thereof.
- Twenty-five gallons or less of refined crude oil products, including but not limited to, gasoline, diesel motor fuel, aviation fuel, asphalt, road oil, kerosene, fuel oil, and derivatives of mineral, animal, or vegetable oils.

See contact information in Attachment S-3. Spills can be reported on the Wyoming Department of Environmental Quality, Water Quality Division's Spill and Complaint website (https://deqspills.wyo.gov).

S3.2 Colorado

For state-specific spill reporting in Colorado, TransWest will follow the guidance detailed in Title 25 of the Colorado Revised Statutes, Section 25-8-601, and will report to Colorado Department of Public Health and Environment, Hazardous Materials and Waste Management Division. See contact information in Attachment S-3. For more information refer to the *Guidance for Reporting Spills under the Colorado Water Quality Control Act and Colorado Discharge Permits* (Colorado Water Quality Control Division 2008).

- Fuel spill or overfill older than 24 hours, fuel spill or overfill of 25 gallons or more, or releases of any amount that come into contact with waters of the State of Colorado (which include surface water, ground water and dry gullies or storm sewers leading to surface water) must be reported to the incident reporting hotline 1-877-518-5608 within 24 hours of discovery.
- When reporting the event, include the date and time of incident, permit number (if applicable), potentially responsible party contact information, description of incident (including location, volume of release, contaminant type), response actions taken, and fish kill observed.

Written notification to Colorado Department of Public Health and Environment must follow within 5 days using the *Five Day Reporting Form* on the department website.

S3.3 Utah

For state-specific spill reporting in Utah, TransWest will follow Utah Department of Environmental Quality guidance for notification, as outlined at https://deq.utah.gov/general/report-an-incident (Utah Department of Environmental Quality 2021). See contact information in Attachment S-3.

- Hazardous waste spills of 100 kilograms are reported immediately to the Division of Waste Management and Radiation Control, with written notice within 15 days. Notify for a spill of a lesser quantity if there is a potential threat to human health or the environment.
- Spills of substances that may affect Waters of the State are reported immediately to the Division of Water Quality (Utah Code 19-5-114), with written notice within 5 days.
- Spills or discharges of petroleum hydrocarbon or other substance which may cause pollution of ground waters are reported to the Division of Water Quality within 24 hours, with written notice within 5 days.

The reportable quantity for a single discharge is:

- 1,000 U.S. gallons of oil to navigable waters adjoining shorelines; or
- Two discharges to navigable waters or adjoining shorelines each more than 42 U.S. gallons of oil occurring within any 12-month period.

S3.4 U.S. Forest Service

The following discussion incorporates ROD requirements specific to USFS land occurring along the Project within Utah including the Uinta-Wasatch-Cache, Manti-La Sal, and Dixie National Forests. No other USFS land is crossed by the Project alignment.

TransWest will avoid or minimize adverse effects to soil, water quality, and riparian resources when selecting and maintaining fueling and servicing locations and during equipment refueling and servicing activities. **ROAD-10**

Where practicable, TransWest will use commercial washing facilities with proper wastewater treatment systems when washing vehicles and equipment or will create temporary wash sites that avoid wetlands, groundwater recharge areas, and floodplains to prevent grease and oil from contaminating water resources on USFS land. **FAC-7**

If activities involve the use of hazardous materials, TransWest will use proper handling and transferring techniques described in Appendix L, Hazardous Materials Management Plan. All personnel handling fuels and chemicals will be trained in their proper use, handling, storage, and disposal as outlined in this Plan and in Appendix L, Hazardous Materials Management Plan, to avoid spills and releases. TransWest will report spills to USFS immediately and perform spill control and cleanup in accordance with this Plan and applicable laws, rules, and regulations.

Specific requirements for cleanup and remediation of hazardous material releases are specified in the USFS long-term easement and temporary 'construction' Special Use Permit for the Project.

- TransWest will immediately notify all appropriate response authorities, including the National Response Center and the Authorized Officer or their designee, of any oil discharge or of the release of a hazardous material into navigable waters of the U.S. in the permit area in an amount greater than or equal to its reportable quantity, in accordance with 33 CFR Part 153, Subpart B, and 40 CFR Part 302. For the purposes of this requirement, "oil" is as defined by section 311 (a)(1) of the Clean Water Act, 33 U.S.C. 1321(a)(1).

- TransWest will immediately notify the Authorized Officer or their designee of any release or threatened release of any hazardous material in or near the permit area which may be harmful to public health or welfare, or which may adversely affect natural resources on federal lands.

- TransWest will clean up or otherwise remediate any release, threat of release, or discharge of hazardous materials that occurs either in the permit area or in connection with the Project activities in the permit area, regardless of whether those activities are authorized under this permit. TransWest will perform cleanup or remediation immediately upon discovery of the release, threat of release, or discharge of hazardous materials.

S3.5 Nevada

For state-specific spill reporting in Nevada, TransWest will follow the guidance detailed in the Nevada Revised Statutes 445A.300–445A.730, Water Pollution Control, and Nevada Revised Statutes 459.700–780, Handling of Hazardous Materials. TransWest will report spills to the Nevada Department of Environmental Protection by calling the 24-hour Spill Hotline at 1-888-331-6337. See contact information in Attachment S-3.

- The reportable quantity for petroleum products such as gasoline, diesel, and hydraulic fluid is 25 gallons or 3 cubic yards of contaminated material, or the presence in groundwater. A spill of any quantity that affects a water way within the State of Nevada must be reported, regardless of the quantity (e.g., oil sheen).

- The reportable quantity for hazardous waste is based on the federal EPA guidelines (40 CFR Part 302), or any amount that is release to surface water, or an amount that threatens a vulnerable resource (e.g., school, senior center, public water, storm drain).

- Spills must be reported to the Nevada Division of Environmental Protection as soon as possible, but no later than the end of the first working day of the release.

S4.0 RECORD OF DECISION REQUIREMENTS ADDRESSED IN PLAN

Table S1 lists the ROD requirements contained in this Plan that apply Project-wide. Table S2 lists the ROD requirements specific to USFS land in Utah.

TABLE S1 PROJECT-WIDE SPILL PREVENTION AND RESPONSE PLAN ROD REQUIREMENTS

Location	ROD Requirement	Description*
All Lands	PHS-11	The Applicant shall provide secondary containment for all onsite hazardous materials and waste storage areas.

All Lands	PHS-13	In the event of an accidental release to the environment, the Applicant must initiate spill cleanup procedures and document the event, including a cause analysis; appropriate corrective actions taken; and a characterization of the resulting environmental or health and safety impacts. Documentation of the event should be provided to the land management agency's authorized officer and other federal and state agencies, as required.
All Lands	PHS-15	Incidental spills of petroleum products and other chemicals will be removed and the affected area cleaned to meet applicable standards.
All Lands	TWE-22	Runoff from excavated areas, construction materials or wastes (including truck washing and concrete washes), and chemical products such as oil, grease, solvents, fuels, and pesticides will be controlled. Excavated material or other construction material will not be stockpiled or deposited near or on stream banks, lake shorelines, ditches, irrigation canals, or other areas where runoff could impact the environment.
All Lands	TWE-62	If a reportable release of hazardous substance occurs at the work site, the Contractor will immediately notify the Applicant and all environmental agencies, as required by law. The Contractor will be responsible for the clean-up.

* References to 'Applicant' are verbatim from the National Environmental Policy Act process and are synonymous with TransWest.

TABLE S2 USFS IN UTAH SPILL PREVENTION AND RESPONSE PLAN ROD REQUIREMENTS

Location	ROD Requirement	Description
USFS Only – All NFs	Road-10	Objective: Avoid or minimize adverse effects to soil, water quality, and riparian resources from fuels, lubricants, cleaners, and other harmful materials discharging into nearby surface waters or infiltrating through soils to contaminate groundwater resources during equipment refueling and servicing activities. Explanation: Many activities require the use and maintenance of petroleum-powered equipment in the field. For example, mechanical vegetation management activities may employ equipment that uses or contains gasoline, diesel, oil, grease, hydraulic fluids, antifreeze, coolants, cleaning agents, and pesticides. These petroleum and chemical products may pose a risk to contaminating soils, surface water, and groundwater during refueling and servicing the equipment. BMP Fac-6 (Hazardous Materials) provides additional guidance for handling hazardous materials. Practices: See pages 123–124, Volume 1: National Core BMP Technical Guide (USFS 2012).

S5.0 LITERATURE CITED

Bureau of Land Management. 2016. *Record of Decision and TransWest Express Transmission Project and Resource Management Plan Amendments*. Available at: https://eplanning.blm.gov/epl-front-office/eplanning/planAndProjectSite.do?methodName=dispatchToPatternPage&currentPageId=92851. Accessed June 2019.

Colorado Water Quality Control Division. 2008. *Guidance for Reporting Spills under the Colorado Water Quality Control Act and Colorado Discharge Permits.* Available at: https://drive.google.com/file/d/1EMipAB9uvZ8tmB_Dx-5YFRCyQO1EKmey/view. Accessed December 2020.

———. 2017. Five day reporting form. Available at: https://oitco.hylandcloud.com/Pop/docpop/docpop.aspx. Accessed January 2023.

U.S. Bureau of Reclamation. 2017. *Record of Decision TransWest Express Transmission Project*. Available at: https://www.usbr.gov/lc/region/g2000/envdocs.html. Accessed November 2019.

U.S. Environmental Protection Agency. 2019. Reportable Quantities Federal Register Notices. Available at: https://www.epa.gov/epcra/reportable-quantities-federal-register-notices. Accessed December 2020.

U.S. Forest Service (USFS). 2017. *Final Record of Decision for the TransWest Express Transmission Project*. Available at: https://www.fs.usda.gov/nfs/11558/www/nepa/96762_FSPLT3_3992813.pdf. Accessed November 2019.

Utah Department of Environmental Quality. 2021. *A Summary of Utah State and Federal Hazardous Substance/Waste/Material Environmental Regulations That Require Immediate to Within 24 Hour Utah DEQ or EPA Notification.* Available at: https://documents.deq.utah.gov/environmental-response-and-remediation/serc/DERR-2021-001802.pdf. Accessed March 2022.

Western Area Power Administration. 2017. *TransWest Express Transmission Project Record of Decision*. Available at: https://www.wapa.gov/transmission/EnvironmentalReviewNEPA/Documents/TWE-ROD-WAPA-signed.pdf. Accessed December 2019.

This page intentionally left blank.

Attachment S-1

Typical Spill Containment Measures

TYPICAL SPILL CONTAINMENT MEASURES

Spill Containment Type	Description
Ditching	Ditch around the periphery of the station or in the field to contain spill
Interceptor trenching	Trench or ditch lined with polyethylene to trap spilled material which is then pumped out
Gravel-filled equipment pits	Gravel-filled pit lined with impermeable material to store equipment
Plastic lining under substation yard	Plastic or rubber liner used to prevent spill from contacting or migrating in the environment. Select a liner with a thickness that is not subject to mechanical injury.
Collecting pond with trap	Collection pits drain materials to an open containment pit
Oil drainage system with oil trap or skimming unit	Located at facilities, such as substations, to collect oil and other contaminants, or spills, from operations and maintenance activities
Sorbent materials, including sorbent pads and granular materials	Absorbs spills using various materials
Sorbent boom	Absorbs spills, but limited deflection capability
Boom deflector	Serves as a barrier to the spill but allows water to continue flowing
Sorbent fence or straw skimming installation	Straw (or other sorbent materials) absorbs spill and is contained by an anchored fence
Earthen dam or sand bagged dam	Traps spill with compacted earthen material or sandbags. For spills in water, build an enclosed berm, starting on the downstream side, and have an available vac-truck or pumps and tanks.
Coffer dam	Earthen dam used to contain oil and includes a mechanism to pump or move water. In water, build an enclosed berm, starting on the downstream side, and have an available vac-truck or pumps and tanks.
Curbing	Elevated impervious structures prevent spill from migrating, used to contain spills
Retaining walls	Elevated impervious structures prevent spill from migrating, used to contain spills
Plug or sieve plug for drainage ditch culverts	Plug prevents all materials from accessing surface waters; sieve plug allows water to pass while collecting spilled material

Source: U.S. Department of Agriculture. 2008. *Design Guide for Oil Spill Prevention and Control at Substations*. Bulletin 1724E-302. Available at: https://www.rd.usda.gov/files/UEP_Bulletin_1724E-302.pdf. Accessed August 20, 2018.

This page intentionally left blank.

Attachment S-2

Example Spill Forms

Example Inspection Checklist

The following checklist is to be used for monthly inspections. Completed checklists must be signed by the inspector and maintained at the Facility, with the SPCC Plan, for at least three years. Any item that receives a "yes" answer must be described and addressed immediately.

Inspection Item	Y	N	Description and Comments
Storage Tanks			
Tank surfaces show signs of leakage	□	□	
Tanks are damaged, rusted, or deteriorated	□	□	
Bolts, rivets, or seams are damaged	□	□	
Tank supports are deteriorated or buckled	□	□	
Level gauges are inoperable	□	□	
Vents are obstructed	□	□	
Containment Areas			
Secondary containment is damaged or stained	□	□	
Standing water in containment	□	□	
Drainage valve is open or not secure	□	□	
Evidence of oil release from tank	□	□	
Transformers			
Transformer surfaces show signs of leakage	□	□	
Transformer is damaged, rusted, or deteriorated	□	□	
Bolts, rivets, or seams are damaged	□	□	
Transformer supports are deteriorated or buckled	□	□	
Transformer foundations have eroded or settled	□	□	
Safety			
Safety equipment missing or inoperable	□	□	
Spill response equipment used and not replaced	□	□	
Fire extinguisher not present/operational	□	□	
Fuel tank not grounded	□	□	

Date Signature

Example Spill Report Form

Complete this form for any hazardous material spill regardless of size, any spill that enters waterbodies or wetlands, and/or any petroleum spill greater than 25 gallons. The information needed to complete this form must be provided to the Emergency Response Coordinator within 24 hours of the spill.

Responsible Party or Company	
Company Name:	
Company Field Address:	
Company Field Contact/Title:	
Company Field Contact Phone:	
Reporting Party	
Name:	
Title:	
Phone:	
Location of Spill	
County and Legal Description:	
Nearest MP/Station:	
Nearest Landmark(s):	
Nearest Access Road:	
Nearest Waterbody:	
Name of Landowner:	
Spill Information	
Date and Time of Spill (if known):	
Date and Time of Discovery:	
Spill Material and Amount:	
Area of Impact (length X width X depth):	
Cause of spill:	
Response Information	
Containment, Cleanup, and Disposal Procedures Undertaken:	
Further Response Actions Needed:	
Notifications	
Date of Landowner Notification:	
Dates and Names of Agencies Notified:	

Attachment S-3

Spill Notification Contacts

FEDERAL AND STATE SPILL NOTIFICATION CONTACTS*

Agency to be Contacted	Phone/Address
Federal	
EPA National Response Center	1-800-424-8802
EPA Region 8 Emergency Response Center (WY, CO, and UT)	303.312.6048/ 1595 Wynkoop St Denver, CO 80302
EPA Region 9 Emergency Response Center (NV)	415.972.3052/ 75 Hawthorn St San Francisco, CA 94105
BLM Rawlins Field Office	307.328.4200/ 1300 3rd St Rawlins, WY 82301
BLM Little Snake Field Office	970.826.505**3**/ 455 Emerson St Craig, CO 81625
BLM White River Field Office	970.878.3800/ 220 E Market St Meeker, CO 81641
BLM Vernal Field Office	435.781.4400/ 170 S 500 E Vernal, UT 84078
BLM Salt Lake Field Office	801.977.4300/ 2370 Decker Lake Blvd West Valley City, UT 84119
BLM Richfield Field Office	435.896.1500/ 150 E 900 North Richfield, UT 84701
BLM Fillmore Field Office	435.743.3100/ 95 E 500 N St Fillmore, UT 84631
BLM Cedar City Field Office	435.865.3000/ 176 2000 N Cedar City, UT 84721
BLM Ely District Office	775.289.1800/ 702 N Industrial Way Ely, NV 89301
BLM Las Vegas Field Office	702.515.5000/ 4701 N Torrey Pines Dr Las Vegas, NV 89130
USFS, Uinta-Wasatch-Cache National Forest	801.999.2103/ 857 West South Jordan Parkway South Jordan, UT 84095
USFS, Manti-La Sal National Forest	435.637.2817/ 599 W Price River Dr Price, UT 84501
USFS, Dixie National Forest	435.865.3700/ 1789 N Wedgewood Ln Cedar City, UT 84721
State	
Wyoming Department of Environmental Quality	307.777.5885/ 200 W 17th St Cheyenne, WY 82001
Colorado Department of Public Health and Environment	877.518.5608/ 4300 Cherry Creek S Dr Denver, CO 80246

Agency to be Contacted	Phone/Address
Utah Department of Environmental Quality, Division of Water Quality	801.536.4300 195 N 1950 W Salt Lake City, UT 84116
Utah Department of Environmental Quality, Division of Waste Management and Radiation Control (hazardous waste)	801.536.0200
Utah Department of Environmental Quality, Environmental Response & Remediation (petroleum)	801.536.4100
Utah Emergency Response Line (24 hour)	801.536.4123
Nevada Division of Environmental Protection Spill Hotline	888.331.6337/ 901 S Stewart St Carson City, NV 89701

*Please see Appendix G, Environmental Compliance and Monitoring Plan, for further information on plans for Project communication.