

# **OVERLAND PASS PIPELINE PICEANCE LATERAL**

## **APPENDIX 5**

### **FIRE PREVENTION AND SUPPRESSION PLAN**

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## **1.0 INTRODUCTION**

The Fire Prevention and Suppression Plan (Plan) identifies measures to be taken by Overland Pass Pipeline Company LLC (OPPC) and its contractors (Contractor) to ensure that fire prevention and suppression techniques are carried out in accordance with federal, state, and local regulations.

The purpose of this Fire Prevention and Suppression Plan is to prepare a plan that will be followed in order to avoid fire and ensure public safety. Measures identified in this Plan apply to work within the project area defined as the right-of-way (ROW), access roads, temporary use areas, and other areas used during construction of the project. OPPC and Contractor personnel are to be thoroughly familiar with this Plan and its contents prior to initiating construction on the project.

### *1.1 Purpose*

The risk of fire danger during pipeline construction is related to smoking, refueling activities, operating vehicles and other equipment off roadways, welding activities, and the use of flammable liquids. During pipeline operation, risk of fire is primarily from unauthorized entry onto the right-of-way. During maintenance operations, risk of fire is from smoking, use of flammable liquids, operation of vehicles, and pipeline maintenance activities that require welding.

This Plan establishes standards and practices that will minimize the risk of fire danger and, in case of fire, provide for immediate suppression. This Plan was developed as the implementing document for relevant mitigation measures contained in the Environmental Assessment.

## **2.0 OBJECTIVE**

The objective of this Plan is to minimize or eliminate potential wildfires within the project area created by construction machinery or personnel, and to implement aggressive action for all wildfires that could result from the construction of the project. This Plan requires increased commitments of fire protection equipment, fire watch/monitoring efforts, and personnel from OPPC during high fire risk periods.

## **3.0 RESPONSIBILITIES AND COORDINATION**

OPPC and the Contractor are responsible for providing necessary fire-fighting equipment on the project site to their respective employees and operating under the requirements of this Plan. In addition to the EI and other Construction Inspectors, Federal Compliance Monitors will also be assigned to each federal jurisdictional administrative unit crossed by the project. These Federal Monitors will inform the EI and Chief Inspector in writing of potential fire hazard conditions or changes in prevention methods.

Prior to construction, OPPC will contact the appropriate authorities to establish communications, obtain permits (if applicable), and/or fulfill other obligations as directed by county fire control authorities. In addition to the above, it will be the responsibility of the EIs and Chief Inspector, along with the Federal Monitors to:

- Ensure prevention, detection, pre-suppression, and suppression activities are in accordance with this Plan and federal, state and county laws, ordinances, and regulations pertaining to fire.
- Comply with all federal, state and local laws, ordinances, and regulations that pertain to the prevention, pre-suppression, and suppression of fires.
- If observed, report all wildfires outside of the project area to the nearest fire dispatch.

- Accompany agency representatives on fire tool and equipment inspections and take corrective action upon notification of any fire protection requirements that are not in compliance.
- Stop work or reduce construction activities or operations that pose fire hazard until the appropriate measures have been implemented.
- The fire prevention and suppression measures described in this Plan shall be in effect from June 1st until snow fall. These dates may change by advance written notice from fire control authorities. However, required tools and equipment shall be kept in serviceable condition and be immediately available for fire suppression at all times.
- Direct OPPC and the Contractor to increase the level of fire monitoring, install additional fire prevention equipment, or stop work, if necessary, and if extreme danger is present, OPPC will coordinate with federal and state fire management personnel during periods of high fire or severe fire conditions to ensure that permit stipulations are being met and appropriate preventative measures are in place during all construction related activities.
- Initiate and implement all fire control activities during construction until relieved by professional fire suppression crews, if necessary. Actions should not be taken that may endanger employee safety. The Contractor should not attempt to suppress fires that cannot be safely contained with fire control personnel.
- Insure that OPPC has required that Contractor to have a Field Safety Office (FSO) in place on each construction spread. The FSO will report directly to the EI and Chief Inspector. In addition, the FSO will accompany the Federal Monitor and inspectors on fire inspections of the project.

Additional responsibilities will include:

- Conducting weekly inspections during the fire season of tools, equipment, and first aid kits;
- Conducting regular inspections of flammable fuels and explosives storage and handling areas;
- Posting "No Smoking" and "Designated Smoking Area" signs at appropriate locations within the project area;
- Providing initial response support in the event of a fire in the project area and supervise fire suppression activities until relieved by the Federal Monitor;
- Providing written blasting schedules to all monitors, inspectors, and the Federal Monitor; and
- Monitoring construction site areas where activities may present fire safety issues, such as blasting.

#### **4.0 NOTIFICATION PROCEDURES**

Construction personnel shall report all fires, whether extinguished or uncontrolled, to OPPC's Chief Construction Inspector and OPPC's Environmental Inspector. If the fire is uncontrolled, the Contractor shall call the nearest fire suppression agency (refer to Table 4-1 Fire Suppression Contacts). Information regarding the location of the fire, property ownership, and closest access roads should be provided to the dispatch office listed in Table 4-1 above and OPPC. If a reported fire is controlled, but not extinguished, the Contractor shall call to notify the nearest fire suppression agency to alert them of the situation.

**Table 4-1 Fire Suppression Contacts**

Contact	Phone Number	Office Location
Rio Blanco Fire Protection District	(970) 878-3443 (non-emergency) or 911 (emergency)	Meeker, Colorado
Craig Fire and Rescue	970-824-5914 (non-emergency) or 911 (emergency)	Craig, Colorado
BLM Fire Dispatch	970-826-5037	Craig, Colorado
Sweetwater County Fire District	911	Rock Springs, Wyoming
Baggs Volunteer Fire Department	911	Baggs, Wyoming
Wamsutter Volunteer Fire Department	911	Wamsutter, Wyoming
Rawlins Interagency Dispatch Center	1-800-295-9953	Rawlins, Wyoming

## 5.0 EMERGENCY FIRE PROTOCOLS DURING FIRE SEASON

Fire condition classes based on standard vegetation fuel models will be used by the land managing agencies to determine fire prevention, control, and monitoring efforts during construction of the project. Fire restrictions (i.e. Stage I, Stage II) are typically set on a daily basis by the local federal land managing agency. Certain activities such as blasting, welding, or grinding may be restricted during periods of high fire danger. The Federal Monitor may modify or change requirements based upon assessment of specific fire restriction notices, or localized risks or hazards. Fire restriction level and required preventive measures are listed below:

### No Fire Restrictions

- Normal Fires Precautions

### Stage I Fire Restrictions

- Building, maintaining, attending, or using a fire, campfire, coal or wood burning stove, any type of charcoal fueled broiler or open fire of any type in undeveloped areas.
- Smoking, except within an enclosed vehicle or building, in a developed recreation site or while stopped in an area at least 3 feet in diameter that is barren or cleared of all flammable vegetation.
- Using explosive material: (i.e. fireworks, blasting caps or any incendiary device which may result in the ignition of flammable material).
- Welding, or operating an acetylene or other similar torch with open flame.
- Operating or using an internal combustion engine without a spark arresting device properly installed, maintained and in effective working order.

### Stage I Fire Restrictions with “Red Flag Warning”

- All machine treatment of slash, skidding, yarding, blasting, welding, metal cutting, offloading on the ROW are subject to BLM requirements.
- No smoking or warming/cooking fires are permitted.
- Power saws shut down from 9:00 AM to 8:00 PM MST.

- Hauling trucking must stay on the ROW or surfaced roads after 2:00 PM MST.
- Utilization of additional personnel, equipment and prevention measures.

#### Stage II Fire Restrictions

- Shutdown of all construction activities except operations on mineral soil, road excavation, watering, grading, trench excavation, padding, backfilling, and clean up.
- All other activities, such as blasting and welding, require an exemption from the Federal Monitor.
- The Chief Inspector and EI have the discretion to restrict or shutdown construction activities on private land during all precautionary periods.
- In extreme cases, the Federal Monitor has the discretion to shut down all construction activities and bar all ROW areas from entry.

The Federal Monitor will notify the Contractor's Field Safety Office no later than 9:00 AM local time if there is a change in the fire restrictions. This also applies to single day changes, such as a "red flag warning". The Field Safety Officer will notify the Chief Inspector and the EI of restriction notices and changes.

## **6.0 FIRE PREVENTION MEASURES**

### *6.1 Pre-Construction and Construction*

Methods and procedures that will be implemented prior to and during the construction period to minimize the risk of fire are described below.

#### 6.1.1 Training

The Contractor will train personnel about the measures to take in the event of a fire and will inform each construction crew member of fire dangers, locations of extinguishers and equipment, and individual responsibilities for fire prevention and suppression. Smoking and fire rules will also be discussed with the Contractor and field personnel during the safety training program.

#### 6.1.2 Smoking

Smoking is prohibited except inside a building, vehicle, or while seated in an area of at least three feet in diameter that is barren or cleared of flammable materials. Burning tobacco and matches will be extinguished before discarding. Smoking is also prohibited while operating equipment or vehicles, except in enclosed cabs or vehicles (36 CFR 261.52(d)).

#### 6.1.3 Spark Arresters and Mufflers

During construction, operation, and maintenance of the right-of-way, Contractor and OPPC equipment operating with an internal combustion engine shall be equipped with federally approved spark arresters. Spark arresters are not required on trucks, buses, and passenger vehicles (excluding motorcycles) that are equipped with an unaltered muffler or on diesel engines equipped with a turbocharger. A Bureau of Land Management (BLM) fire prevention officer will have full authority to inspect spark arresters on project equipment prior to its use on the project on federal lands and periodically during the construction project.

Operating or using any internal combustion engine, on any timber, brush, or grass covered land, including trails and roads traversing such land, without a spark arrester, maintained in effective working order, meeting the Society of Automotive Engineers (SAE) recommended Practices J335, "MULTIPOSITION SMALL ENGINE EXHAUST SYSTEM FIRE IGNITION SUPPRESSION,"

(current revision) and J350, 36 CFR 261.52(j), is prohibited.

Passenger carrying vehicles, pickups, and medium and large highway trucks (80,000 Gross Vehicle Weight) will be equipped with a factory designed muffler system that is specified for the make and model of the respective vehicle/truck or with a muffler system that is equivalent to or exceeds factory specifications. Exhaust systems shall be properly installed and continually maintained in serviceable condition.

#### 6.1.4 Parking, Vehicle Operation and Storage Areas

In no case will motorized equipment, including worker transportation vehicles, be driven or parked outside of the designated and approved construction workspace. Equipment parking areas, the right-of-way, temporary use areas, and small stationary engine sites, where permitted, will be cleared of flammable material.

Gasoline, oil, grease, and other highly flammable material shall be stored either in a separate building, at a site where debris is cleared within a 25-foot radius or in a specially designed fuel truck or tank within a truck. Storage buildings or sites shall be a minimum distance of 50 feet from other structures. Storage buildings shall be adequately posted to warn of the flammables and to prohibit smoking in or around the building. Glass containers shall not be used to store gasoline or other flammables. OSHA-approved containers would be used to store and transport gasoline and other flammables.

#### 6.1.5 Equipment

While in use, each internal combustion engine including tractors, trucks, yarders, loaders, welders, generators, stationary engines, or comparable powered equipment will be provided with at least the following:

- One fire extinguisher, at least 5# ABC with an Underwriters Laboratory (UL) rating of 3A - 40BC, or greater.
- One shovel, sharp, size O or larger, round-pointed with an overall length of at least 48 inches.

Extinguishers and shovels shall be mounted so as to be readily available from the ground. Tools shall be maintained in a serviceable condition.

#### 6.1.6 Road Closures

The Contractor will notify the appropriate fire suppression agency of the scheduled closures prior to the open-cut crossing of a road. If required, the Contractor will construct a bypass prior to the open-cut installation of a road crossing, unless a convenient detour can be established on existing approved roads or within approved work limits. Bypasses will be clearly marked by the Contractor. During road closures the Contractor will designate one person who knows the bypass to direct traffic. The Contractor will minimize to the extent possible, the duration of road closures. Additional information is provided in the Transportation Management Plan.

#### 6.1.7 Refueling

Fuel trucks shall have a large fire extinguisher charged with the appropriate chemical to control electrical and gas fires. The extinguisher shall be a minimum size 35-pound capacity with 40 BC or higher rating.

#### 6.1.8 Burning

No burning of slash, brush, stumps, trash, or other project debris will be permitted on the project. No campfires, lunch fires, or warming fires will be allowed within the ROW.

#### 6.1.9 Welding and Blasting

One 5-gallon backpack pump will be required with each welding unit in addition to the standard fire equipment required in welding vehicles.

Explosives shall be stored in a locked box marked "Explosives". Powder and blasting caps shall be stored in separate boxes.

#### 6.1.10 Monitoring

Construction and Environmental Inspectors for OPPC shall inspect the construction workspace and the Contractor's operations for compliance with provisions of this Plan. In addition, federal, state, and local fire control agencies may perform inspections in areas under their jurisdiction at their discretion.

#### 6.2 *Pipeline Operation and Maintenance*

During pipeline operation, the risk of fire danger is minimal. The primary causes of fire on the right-of-way result from unauthorized entry by individuals utilizing the right-of-way for recreational purposes and from fires started outside of the right-of-way. In the latter case, the right-of-way can be used by authorities as a potential fire break. During maintenance operations, OPPC or the Contractor shall equip personnel with basic fire-fighting equipment including fire extinguishers and shovels as described in Section 3.1.5. Maintenance crews shall also carry list of fire suppression contacts as described in Table 4-1.

### **7.0 FIRE PREVENTION REQUIREMENTS FOR CONSTRUCTION EQUIPMENT**

OPPC and its Contractors will submit a list to the Federal Monitor of all fire prevention and control equipment proposed for use on the project. The Federal Monitor, Chief Inspector, or EI may inspect all equipment prior to construction. Equipment will be regularly inspected during construction.

#### 7.1 *Vehicles*

All manholes, trucks, tractors, pickup trucks, and personnel vehicles must be equipped with on 5-lb. minimum dry chemical fire extinguisher and one shovel. "Red flag warning" and Stage II scenarios will be outfitted with pressure pump, adjustable nozzle, threaded rubber-lined hose, a minimum of 300 feet of 1 ½-inch cotton jacket, and have minimum water storage capacity of 1,500 gallons.

#### 7.2 *Spark Arresters*

All construction related vehicles, stationary and mobile, will be equipped with spark arresters that meet or exceed minimum federal and state requirements. Spark arresters will be regularly maintained and repaired when necessary. If required, flues used in material staging yards will be equipped with spark arresters.

#### 7.3 *Gasoline-powered Saws*

Chainsaws will be outfitted with arresters/mufflers that contain 0.023-inch mesh, stainless steel screens. Chainsaw operators must have a fire extinguisher and shovel available for use at all times. Saw refueling will take place at least 10 feet from the work areas and fuel must be stored in approved containers.

#### 7.4 *Warning Devices*

Torches, fuses, highway flares, or other devices with an open flame are prohibited from use during fire season. OPPC will use electric or battery-operated warning devices on within the project area.