

## 4.0 Operation and Maintenance Activities

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Greencore will be responsible for monitoring pipeline operations after construction is completed. This would include environmental inspections and equipment and facility inspections. Inspection personnel will have the qualifications necessary to conduct stormwater inspections and reporting for pipelines.

An existing Denbury pipeline SCADA control center will be utilized with field SCADA equipment located at the Lost Cabin supply station, mainline valve sites, and Belle Creek meter stations, which would communicate data and status information back to the main control center. Future potential pump stations also will have unit control centers that communicate data and control status back to the existing Denbury SCADA control center. The main SCADA control center would continuously monitor pipeline pressure and flow conditions at supply and delivery points. The SCADA control system would be programmed to alarm anytime there is a deviation in pressure or flow indicating abnormal condition in the pipeline system. No hazardous materials or wastes would be used or produced as part of project operation.

Greencore's pipeline system will be operated and maintained in accordance with industry standard procedures to ensure safe operation and to maintain the integrity of its pipeline system. Greencore's operating and maintenance procedures will be developed in accordance with the safety standards outlined in 49 CFR Part 195 and other applicable regulations. These procedures will continue to be implemented during the operations and maintenance of the pipeline facilities.

### 4.1 Surveillance

Communications and detection systems for the project will be developed. The frequency of ground inspections of the pipeline will be in compliance with the Office of Pipeline Safety requirements. The right-of-way would be periodically inspected by an aerial patrol.

### 4.2 Right-of-Way Access

Surface travel along the right-of-way will generally be limited to periodic valve inspections, leak surveys, erosion control (Stormwater Inspection), and any pipeline repairs that may be needed. In addition, it will also be necessary to access the right-of-way for the corrosion control inspections and noxious weed surveys. This would typically be conducted with a field service truck or ATV.

### 4.3 Pipeline and Site Maintenance and Repair

Specialists and technicians would be on-call to service the pipeline. Surface traffic would be limited to workers performing pipeline and valve maintenance, periodic monitoring and inspection, and emergency repairs to the pipeline or associated equipment.

Repairs required because of minor corrosion and slight external mechanical damage to pipe and coating material can be made without interruption or with minimum interruption of service. Repairs are usually made under a reduced pipeline pressure and require a minimum amount of

excavation and heavy equipment. Other minor repairs include BMP maintenance, pipeline marker replacement, and debris removal.

Some settling of the backfilled trench will occur, particularly after the first winter following construction. In this case, subsidence and potholes will be filled if necessary and the surface restored to normal grade and reseeded. If subsidence is discovered in subsequent years, the potholes would be filled, if necessary, and the surface restored to normal grade and reseeded.

Pipeline failures or external mechanical damage needing major repairs may require shutdown of the pipeline. In these instances, the pipeline segment could be isolated between mainline valves. To facilitate these repairs, equipment, tools, pre-tested pipe, and other materials for emergency use could be stored at existing operations facilities.

## 4.4 Environmental Inspections

Grencore will be responsible for monitoring pipeline operations after construction is completed. This would include post construction inspection of stormwater management devices as stipulated in the stormwater permit from the WY DEQ and MT DEQ (Appendix E). Inspection personnel will have the qualifications necessary to conduct stormwater inspections and reporting for pipelines. Grencore will also be responsible for noxious weed control within the limits of the right-of-way. Noxious weeds will be monitored and mitigated per the Noxious Weed Management Plan (Appendix K). These activities will require access to the right-of-way as described in Section 4.2.

## 4.5 Wildlife Avoidance Periods

Pipeline maintenance will be scheduled with the appropriate agency to avoid any wildlife construction closures periods unless a waiver is obtained. Emergency maintenance in these areas during the wildlife constraint periods will require notification to the appropriate agency.