

1.0 Introduction

This Plan of Development (POD) describes measures to be taken by Greencore Pipeline Company, LLC (Greencore) and its contractors (Contractor) during construction, operation, and maintenance of the Greencore CO₂ Pipeline Project (Project) that runs from Lost Cabin, Wyoming to Belle Creek, Montana (Figure 1). The primary objective of the POD is to establish procedures for implementation of Best Management Practices (BMPs) and mitigation measures for this project. This POD is based on the current Proposed Action as presented by Greencore. Updates and modification will be incorporated into this plan as necessary.

Measures identified in this plan apply to work within the project area defined as the right-of-way, access roads, temporary use areas, and other areas used during construction of the project. Greencore and Contractor personnel are to be thoroughly familiar with this plan and its contents prior to initiating construction on the project.

1.1 Purpose of Plan

The purpose of this POD is to provide guidelines and general reference for each construction phase, mitigation measures, operation, and maintenance of the Project. The POD incorporates site specific typical drawings and schematics for contractors and construction crews to ensure safe and proper construction. The POD should be used in conjunction with other site specific plans and permit stipulations and can be amended as construction modifications develop.

Detailed maps are provided in the alignment sheets referenced throughout this document. The alignment sheets contain detailed project mapping of the project right-of-way including the crossing points of linear features such as highways, county roads, utilities, railroads, and water bodies. Location and dimensions of Additional Temporary Work Space (ATWS) are also included on the alignment sheets. The alignment sheets are included separately.

1.2 Permits Stipulations and Timing Restrictions

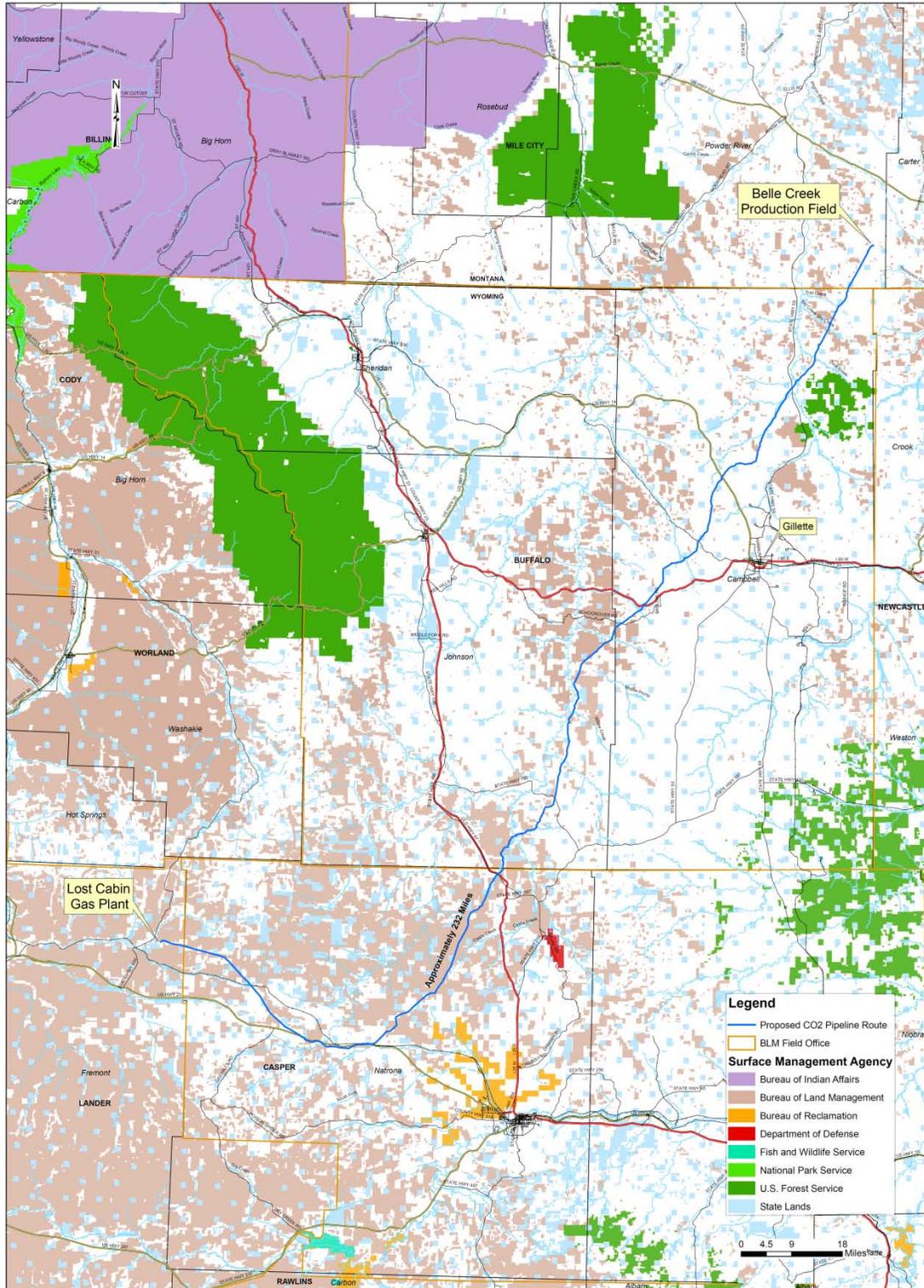
The project traverses several jurisdictional boundaries, including federal and state lands. Greencore will obtain all federal, state, and local permits prior to construction of the project. Construction timing restrictions will also apply to portions of the route and are described in the Environmental Assessment and indicated on the Alignment Sheets. Permit stipulations included in Appendix A. List of permits and/or agencies consulted are listed in Table 1.2-1.

Table 1.2-1
PERMIT LIST

| Agency | Nature of Action | Authority |
|---|--|--|
| Federal Permits, Approvals, and Reviews | | |
| U.S. Department of the Interior (USDOI), BLM | Grant right-of-ways and issue temporary use permits | Section 28 of the Mineral Leasing Act of 1920 |
| | Issue materials sales contracts | Materials Act of 1947, as amended; 30 U.S.C. 601, 602; 43 CFR 3600 |
| | Issue antiquities and cultural resource use permit to excavate or remove cultural resources on federal lands | Antiquities Act of 1906, 16 U.S.C. Section 431-433; Archaeological Resources Public Protection Act of 1979, 16 U.S.C. Section 470aa-47011; 43 CFR Part 3 |
| | Approve pesticide use proposal | BLM Manual 9011.1, Guidelines for Conducting Chemical Pest Control Program |
| U.S. Fish and Wildlife Service (USFWS) | Section 7 Consultation process for endangered or threatened species | Endangered Species Act of 1973; 16 U.S.C. 1531 et seq. |
| U.S. Department of Transportation (DOT) Federal Highway Administration (FHA) | Issue permits to cross federal-aid highways | 23 U.S.C. Sections 116, 123, 23 CFR Part 645 Subpart B |
| U.S. Army Corps of Engineers (USACOE) | Issue Section 404 permit for placement of dredged or filled material in waters of the U.S. | Section 404 of the Clean Water Act of 1972 (40 CFR 122-123); 33 U.S.C. Section 1344; 33 CFR Parts 323, 325 |
| | Issue Section 10 permit for crossing navigable water in the United States | Section 10 of the Rivers and Harbors Act of 1899, 33 U.S.C. 401-413 |
| U.S. Department of the Treasury Bureau of Alcohol, Tobacco and Firearms | Issue permits to purchase, store, and use explosives | Section 1102(a) of the Organized Crime Control Act of 1970, 18 U.S.C. Section 841-848; 27 CFR Part 181 |
| Advisory Council on Historic Preservation (ACHP) | Review and compliance activities related to cultural resources | Section 106 National Historic Preservation Act (16 U.S.C. 470) (36 CFR Part 80) |
| State of Wyoming | | |
| Department of Environmental Quality (DEQ) – Water Quality Division | Issue National Pollution Discharge Elimination System (NPDES) Permit for discharges; prepare Storm Water Pollution Prevention Plan | Wyoming Environmental Quality Act, W.S. 35-11-301 |
| Wyoming Highway Department | Issue permits for oversize and overweight loads | Chapters 17 and 20 of the Wyoming Highway Department Rules and Regulations |
| | Issue encroachment permits | Chapter 12 of the Wyoming Highway Department Rules and Regulations |
| State Land Board | Issue easements to cross state lands | W.S. 35-20 and 36-20 |

| Agency | Nature of Action | Authority |
|--|---|---|
| Wyoming State Engineer's Office | Grant permit to appropriate water for hydrostatic testing, dust control, and other uses | W.S.41-121 through 147 |
| State Historic Preservation Office (SHPO) | Review compliance activities related to cultural resources | Section 106 National Historic Preservation Act (16 U.S.C. 470) (36 CFR Part 80) |
| Wyoming Public Service Commission | Issue certificate of public convenience and necessity | W.S. 1977 and Wyoming Administrative Procedures Act |
| County Commissioners | Road crossing permits, land use permits, and licenses | County zoning regulations |
| County Health Departments | Temporary sanitation facilities | County sanitation requirements |
| State of Montana | | |
| DEQ – Director's Office | Review and comment on environmental activities; review and use federal EA to meet Montana Environmental Policy Act (MEPA) requirements | MEPA |
| DEQ – Permitting and Compliance Division - Water Protection Bureau | Issue Montana Pollution Discharge Elimination System (MPDES) Permit for discharges; prepare Storm Water Pollution Prevention Plan; 318 Authorization (short-term water quality standard for turbidity); Section 401 Water Quality Certification | Montana Water Quality Act MCA 75-5-101 |
| Department of Natural Resources and Conservation (DNRC) – Water Resources Division | Issue Water Appropriation Permits (Beneficial Water Use Permit) and/or Water Wells Drilling/Alteration for hydrostatic testing and dust control | Montana Water Use Act of 1973 |
| DNRC – Trust Land Management Division | Review and process applications for right-of-ways and easements across state-administered surface lands and navigable waterways | MCA 77-1-130 |
| DNRC – Conservation Districts Bureau; and Floodplain Management Section | Issue 310 Permits to physically alter or modify bed or banks of perennial streams; Floodplain Development Permits for new construction within a designated 100 year floodplain | Montana Natural Streambed and Land Preservation Act; Montana Floodplain and Floodway Management Act |
| Department of Fish, Wildlife and Parks | SPA124 permit issuance; comment on project and effects on natural resources and sensitive species | Montana Stream Protection Act |
| Department of Transportation | Issue permits for state highway crossing permits and permits for oversize and overweight loads | Montana Department of Transportation Rules and Regulations |
| Department of Transportation | Issue encroachment permits | MDT Rules and Regulations |
| SHPO | Review and compliance activities related to cultural resources | Section 106 National Historic Preservation Act (16 U.S.C. 470) (36 CFR Part 80) |
| Counties | Issue road crossing permits, land use permits, licenses, and authorization for temporary sanitation facilities | County zoning and sanitation regulations |

FIGURE 1 LOCATION MAP



GREENCORE PIPELINE COMPANY LLC
CO2 Pipeline - Preliminary Route Map

CH2MHILL

Issue Date: July 21, 2010