

TABLE OF CONTENTS

8.0 ENVIRONMENTAL MITIGATION MEASURES.....8-1

8.1 INTRODUCTION8-1

8.2 POD IMPLEMENTATION ON PUBLIC/PRIVATE LANDS8-2

8.3 OVERVIEW OF MITIGATION MEASURES8-2

8.4 SELECTIVE MITIGATION BY MILEPOST8-12

TABLES:

TABLE 15 APPLICANT COMMITTED ENVIRONMENTAL MITIGATION MEASURES8-4

8.0 ENVIRONMENTAL MITIGATION MEASURES

8.1 Introduction

This section of the FEIS POD describes the framework for the environmental compliance program to be implemented for the TWE Project.

Prior to construction, TransWest will prepare the NTP POD, which will incorporate environmental measures and terms and conditions stipulated in the RODs, ROW grants and special use authorizations issued by each federal agency. The NTP POD will provide detailed information on the TWE Project's construction plans and specifications, and construction practices and procedures for the selected alternative. It will also describe the processes and procedures TransWest will employ to comply with the requirements of the RODs, ROW grants, and special use authorizations and include the final Environmental Compliance and Monitoring Plan. A framework Environmental Compliance and Monitoring Plan is provided in Appendix G.

Below is a list of specific framework plans which are part of this FEIS POD. The process leading to a set of final plans is iterative. Initial (framework) plans are based upon preliminary engineering and design of all alternatives analyzed in the FEIS, potential impacts disclosed in the DEIS, and proposed BMPs and mitigation measures. Final plans will be based upon final engineering and design of the selected alternative and requirements and terms and conditions of the RODs, ROW grants, special use authorizations and any other required permits. Framework plans describe the process to be followed and matters to be considered in preparing the final plans for the selected alternative. These framework plans are an intermediate step and establish the structure of each plan.

- Appendix A: Access Road Siting and Management Plan
- Appendix B: Avian Protection Plan
- Appendix C: Blasting Plan
- Appendix D: Cultural Resources Protection and Management Plan
- Appendix E: Dust Control and Air Quality Plan
- Appendix F: Emergency Preparedness and Response Plan
- Appendix G: Environmental Compliance and Monitoring Plan
- Appendix H: Fire Protection Plan
- Appendix I: Flagging, Fencing, and Signage Plan
- Appendix J: Geotechnical Plan
- Appendix K: Greater Sage-Grouse Mitigation Plan
- Appendix L: Hazardous Materials Management Plan
- Appendix M: Health and Safety Plan

- Appendix N: Noxious Weed Management Plan
- Appendix O: Operations and Maintenance Plan
- Appendix P: Paleontological Resources Management and Mitigation Plan
- Appendix Q: Reclamation Plan
- Appendix R: ROW Preparation and Vegetation Management Plan
- Appendix S: Spill Prevention and Response Plan
- Appendix T: Stormwater Pollution Prevention Plan
- Appendix U: Traffic and Transportation Management Plan
- Appendix V: Visual Resources Management Plan
- Appendix W: Water Resources Protection Plan
- Appendix X: Wildlife and Plant Conservation Measures Plan

8.2 POD Implementation on Public/Private Lands

The NTP POD will outline the stipulations, terms and conditions, and mitigation measures set forth in the RODs, ROW grants, special use authorizations and other required permits that must be followed during construction, operation, and maintenance of the Project. The POD is intended to be used Project-wide as (1) a summary of Project environmental requirements and protection measures, and (2) a description of the processes and procedures that will be used to ensure compliance (including the requirements of the U.S. Fish and Wildlife Service, BLM, USFS, and other federal, state, and/or local agencies) as appropriate.

The POD will be an enforceable stipulation of the ROD and the BLM ROW grant. The USFS may choose to make the POD or a similar document enforceable as part of the ROD, or special use authorization (SUA). The POD applies not only to construction of the Project, but also to the operation and maintenance phase of the Project. The BLM and USFS have jurisdiction over all lands under the administrative control of each of respective agency.

8.3 Overview of Mitigation Measures

Table 15 outlines the Applicant committed environmental mitigation measures proposed by TransWest that are being taken into account to reduce impacts to environmental resources. Mitigation measures are organized by major resource topics. These measures are part of the proposed TWE Project, and would be common to all the FEIS alternatives. Table 15 identifies the phase(s) during which each measure would be implemented:

- P – planning and engineering design
- C – construction
- O – operation and maintenance
- D – decommissioning

Mitigation measures include general mitigation measures, which would apply to the TWE Project as a whole; and selective mitigation measures, which would be implemented on a case-by-case basis to address specific environmental impacts or localized conditions. The mitigation measures will be updated through the NEPA process to incorporate appropriate selective mitigation measures. Note that the Construction, Operation and Maintenance Plan will be a part of the NTP POD.

TABLE 15 APPLICANT COMMITTED ENVIRONMENTAL MITIGATION MEASURES

DEIS NO.	PHASE(S) ¹	TOPIC	DESCRIPTION OF MITIGATION MEASURE
General Measures			
TWE-1	P	General, compliance with agency stipulations and RODs	The TWE Project will be planned, constructed, operated, and decommissioned in accordance with the agencies' Records of Decision (RODs) the U.S. Bureau of Land Management's (BLM) ROW Grant stipulations, U.S. Forest Service (USFS) Special Use Permit stipulations, and requirements of other permitting agencies.
TWE-2	P	General, compliance with laws and regulations	The Applicant will comply with all applicable environmental laws and regulations. Applicable laws and regulations may include, but are not limited to, the Clean Water Act (CWA) Section 303(d) and Section 404; the Wild and Scenic Rivers Act, Section 3(a) or 2(s)ii; the Endangered Species act (ESA), Section 7; the National Historic Preservation Act (NHP), Section 106; and the Native American Graves Protection and Repatriation Act (NAGPRA). Compliance with all applicable laws and regulations will be documents in the Final Plan of Development (POD)/Construction, Operation and Maintenance (COM) Plan.
TWE-3	P	General, mitigation monitoring plan	The POD will include a mitigation monitoring plan that will address how each mitigation measure required by permitting agencies in their respective decision documents and permits will be monitored for compliance.
TWE-4	P	General, environmental training	Prior to construction, all personnel will be instructed on the protection of cultural, paleontological, ecological resources, and other natural resources in accordance with the POD provisions. To assist in this effort, the construction contract would address (a) federal, state, and tribal laws regarding cultural resources, fossils, plants, and wildlife, including collection and removal; and (b) the importance of these resources and the purpose and necessity of protecting them.
Project Design, Access, and Construction			
TWE-5	P	General, compliance with laws and regulations	The POD will display the location of Project infrastructure (e.g., towers, access roads, substations) and identify short-term and long-term land and resource impacts and the mitigation measures that will be implemented for the site-specific and resource-specific environmental impacts.
TWE-6	P	General, Access Road Plan	The POD will include an Access Road Siting and Management Plan that incorporates relevant agency standards regarding road design, construction, maintenance, and decommissioning. The Access Road Siting and Management Plan will incorporate best management practices, stipulated by the agencies in their respective decision documents and permits.
TWE-7	P	Access, visual	The alignment of any new access roads will follow the designated area's landform contours where practical, providing that such alignment does not additionally impact resource values. This will minimize ground disturbance and reduce scarring (visual contrast).
TWE-8	P,C	Access, tower placements, surface water, vegetation management, drainage, dust control	Crossings of streams and waterways will be done in compliance with federal, state, and local regulations. Roads will be built as near as possible at right angles to the streams and washes (Arizona crossing). Culverts will be installed where necessary. All construction and maintenance activities will be conducted in a manner that will minimize disturbance to vegetation, drainage channels, and intermittent or perennial stream banks. In addition, fugitive dust will be controlled during road construction as required by state and local permits. All existing roads will be left in a condition equal to, or better than, their condition prior to the construction of the transmission line. Structures will be sited with a minimum distance of 200 feet from streams, wherever possible.
TWE-9	C,O	Access	All construction vehicle movement outside the ROW will be restricted to pre-designated access or public roads.

DEIS NO.	PHASE(S) ¹	TOPIC	DESCRIPTION OF MITIGATION MEASURE
TWE-10	P,C	General ROW, visual	The area limits of construction activities will be predetermined, with activity restricted to and confined within those limits. No paint or permanent discoloring agents will be applied to rocks or vegetation to indicate survey or construction activity limits.
TWE-11	P,C	Access, visual	In construction areas where pre-contouring is not required, vegetation will be left in place, wherever possible, and original contour will be maintained to avoid excessive root damage and to allow for re-sprouting.
TWE-12	P,C,O	Access, soils, vegetation, water, cultural visual resources	Except for repairs necessary to make roads passable, no widening or upgrading of existing access roads will be undertaken in the area of construction and operation, where soils or vegetation are sensitive to disturbance. In designated areas, structures will be placed to avoid sensitive features such as, but not limited to, riparian areas, water courses and cultural sites, or to allow conductors to clearly span the features within limits of standard structure design. This will minimize the amount of disturbance to the sensitive features or reduce visual contrast.
TWE-13	C	Vegetation management, restoration, erosion control	In construction areas (e.g., marshalling yards, structure sites, spur roads from existing access roads) where ground disturbance is significant or where re-contouring is required, surface restoration will occur as required by the landowner or land management agency. The method of restoration will normally consist of returning disturbed areas back to their natural contour, reseeding (if required), installing cross drains for erosion control, placing water bars in the road, and filling ditches.
TWE-14	P,C	General, soils, erosion control, visual	The POD will show the location of borrow sites, from which material will be obtained. Borrow pits will be stripped of topsoil to a depth of approximately six inches. Stripped topsoil will be stockpiled and, upon completion of borrow excavation, spread to a uniform depth of six inches over areas of borrow pits from which removed. Before replacing topsoil, excavated surfaces will be reasonably smooth and uniformly sloped. The sides of borrow pits will be brought to stable slopes with slope intersection shaped to carry the natural contour of adjacent undisturbed terrain into the pit to give a natural appearance. When necessary, borrow pits will be drained by open ditches to prevent accumulation of standing water.
TWE-15	C	Flagging, Fencing and Signage	The POD will include a Flagging, Fencing, and a Signage Plan. Except for permanent survey markers and material that locate proposed facilities, stakes, pins, rebar, spikes, and other material will be removed from the surface and within the top 15 inches of the topsoil as part of final clean-up. The Applicant will adhere to BLM fencing standards where required. Fences on ROW will be removed where necessary and replaced to the original condition or better when the work is finished. Where existing fences are removed to facilitate the work, temporary fence protection for lands adjacent to the ROW will be provided at all times during the continuation of the Contract. Such temporary fence protection will be adequate to prevent public access to restricted areas. Temporary fencing constructed on the ROW will be removed by the Contractor as part of the clean-up operations prior to final acceptance of the completed work.
TWE-16	C	Site restoration and clean-up, water resources, land use	Watering facilities (tanks, natural springs and/or developed springs, water lines, wells, etc.) will be repaired or replaced, if damaged or destroyed by construction activities, to their pre-disturbed condition as required by the landowner or land management agency.
TWE-17	C	Site restoration and clean-up	Existing vegetation such as landscape plants, gardens, and field crops, which are damaged by the application of the soil-applied herbicide, will be replaced by the Contractor at its expense.

DEIS NO.	PHASE(S) ¹	TOPIC	DESCRIPTION OF MITIGATION MEASURE
TWE-18	C	Site clean-up	The Applicant will pay fair market value to the land management agency for any merchantable forest products that will be cut during ROW clearing. Merchantable forest products will either be removed or stacked at locations determined by the land management agency.
Geology and Soils			
TWE-19	C	Drainage, soil erosion control	The POD will include an Erosion Control Plan as part of the Stormwater Pollution Prevention Plan (SWPPP). Grading will be performed to provide adequate drainage around structure sites and sufficient clearance under conductors. Excavated material will be spread around the site where it was excavated. Topsoil will be piled separately and replaced after work completion.
Groundwater, Surface Water and Wetlands			
TWE-20	P	Water quality	As part of the Clean Water Act (CWA) 404 Permit for the TWE Project, the POD will include a Water Resources Protection Plan, which will incorporate measures to avoid and minimize impacts to wetlands and waters of the U.S. to the extent practical. The POD will include a SWPPP. The Applicant will identify all streams in the vicinity of the proposed project sites that are listed as impaired under Section 303(d) of the CWA and develop a management plan to avoid, reduce, and/or minimize adverse impacts to those streams.
TWE-21	P	Water quality	The Applicant will obtain a National Pollutant Discharge Elimination System (NPDES) permit from the Environmental Protection Agency (EPA) prior to construction.
TWE-22	C	Water quality	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.
TWE-23	C	Water quality	Washing of concrete trucks or disposal of excess concrete in any ditch, canal, stream, or other surface water will not be permitted. Concrete wastes will be disposed of in accordance with all federal, state and local regulations.
TWE-24	C,O	Surface water, wetlands	Vehicle refueling and servicing activities will be performed in designated construction zones located more than 100 feet from wetlands and intermittent streams and more than 500 feet from perennial streams. Spill prevention and containment measures or practices will be incorporated as needed.
TWE-25	P	Dewatering	A dewatering permit will be obtained from the appropriate agencies if required for construction dewatering activities.
Vegetation and Soils Management			
TWE-26	P,C	Vegetation management and noxious weeds	The POD will include a Reclamation Plan and a Noxious Weed Management Plan. The Reclamation Plan will address plant removal and selective clearing. The Noxious Weed Management Plan will be developed in accordance with appropriate land management agencies' standards, consistent with applicable regulations and agency permitting stipulations for the control of noxious weeds and invasive species (Executive Order [E.O.] 13112). Included in the Noxious Weed Management Plan will be stipulations regarding construction, restoration, and operation (use of weed-free materials, washing of equipment, etc.).
TWE-27	C	Vegetation management	In construction areas where re-contouring is not required, vegetation will be left in place wherever possible and original contour will be maintained to avoid excessive root damage and allow for re-sprouting.

DEIS NO.	PHASE(S) ¹	TOPIC	DESCRIPTION OF MITIGATION MEASURE
TWE-28	C	Vegetation management, visual	Clearing will be performed in a manner that minimizes the marring and scarring of the countryside and preserves the natural beauty to the maximum extent possible. Except for danger trees, no clearing will be performed outside the limits of the ROW.
Ecological Resources			
TWE-29	P,C	Ecological, special status species	The POD will include a Wildlife and Plant Conservation Measures Plan, which will identify important, sensitive, or unique habitats and BLM sensitive, USFS sensitive, and state-listed species in the vicinity of the TWE Project. The POD will identify measures to be taken to avoid, minimize, or mitigate impacts to these habitats and species.
TWE-30	P	Ecological, raptors	In applicable areas, the TWE Project will be designed to meet or exceed the raptor safe design standards described in the Suggested Practices for Avian Protection on Power Lines: The State of the Art in 2006 (Avian Power Line Interaction Committee [APLIC] 2006).
TWE-31	P,C,O	Ecological, special status species	Mitigation measures that will be developed during the consultation period with the BLM and the U. S. Fish and Wildlife Service under Section 7 of the ESA will be adhered to, along with mitigation developed in conjunction with state authorities.
TWE-32	P,C, D	Ecological, special status species	Seasonal restrictions may be implemented in certain areas to mitigate impacts on wildlife. With the exception of emergency repair situations, the activities of ROW construction, restoration, maintenance, and decommissioning will be modified or discontinued in designated areas during sensitive periods (e.g., nesting and breeding periods) for candidate, proposed of listed threatened or endangered, or other sensitive animal species, as required by permitting agencies. Potential seasonal restrictions and avoidance buffers for nesting raptors will be identified in the DEIS. The Wildlife and Plant Conservation Measures Plan will incorporate the seasonal restrictions and stipulations contained in the federal agency RODs.
TWE-33	P,C	Ecological, special status species and habitats	Prior to the start of construction, the Applicant will provide training to all Contractor and Subcontractor personnel and others involved in construction activities where/if there is a known occurrence of protected species or habitat in the construction area. Sensitive areas will be considered avoidance areas. Prior to any construction activity, avoidance areas will be marked on the ground and maintained through the duration of the Contract. The Applicant will remove markings during or following final inspection of the Project.
TWE-34	C	Ecological, special status species and habitats	If evidence of a protected species not previously identified or known is found in the Project area, the Contractor will immediately notify the appropriate land management agencies and provide the location and nature of the findings.
Cultural Resources – Historic Archaeological, and Tribal Traditional			
TWE-35	P,C	Cultural resources	In consultation with the appropriate land management agencies and state historic preservation officers (SHPOs), and in accordance with the Programmatic Agreement (PA), a Cultural Resources Protection and Management Measures will be prepared as part of the POD to address the specific mitigation measures for cultural resources that will be developed and implemented to mitigate any identified adverse effects. These may include Project modifications to avoid adverse impacts, monitoring of construction activities, and data recovery studies.
TWE-36	P,C	Native American cultural resources	The Applicant will comply with all laws, policies, and regulations pertaining to consultations with federally recognized Tribes.

DEIS NO.	PHASE(S) ¹	TOPIC	DESCRIPTION OF MITIGATION MEASURE
TWE-37	P	General, cultural	Prior to construction and upon the introduction of new construction personnel, all construction personnel will be instructed on the protection of cultural resources, including the provisions of federal, state, and tribal laws regarding the prohibition of collecting and removing cultural resources, and the importance of these resources and the purpose and necessity of protecting them.
Paleontological Resources			
TWE-38	P,C,O	Paleontology	If paleontological resources are known to be present in the Project area, or if areas with a high potential to contain paleontological material has been identified through the NEPA process and DEIS, the Applicant will prepare a Paleontological Resources Management and Mitigation Plan as part of the POD.
TWE-39	P	Paleontology	Paleontological mitigation may be required in areas of greatest disturbance and areas likely to have significant fossils. Preconstruction surveys of such areas may be conducted as agreed upon by the land-managing and lead federal agency.
Land Use and Visual Resources			
TWE-40	P,C,O	Land Use, agriculture	On agricultural land, the ROW will be aligned, in so far as practical, to reduce the impacts to farm operations and agricultural production.
TWE-41	C	Land Use, agriculture	In cultivated agricultural areas, soils that have been compacted by construction activities will be disked to uncompact soils.
TWE-42	C	Land Use, ranching	In grazing areas, excessive amounts of pine needles left by clearing of trees, will be removed from the ROW and disposed of in a location to prevent harm to grazing domestic animals.
TWE-43	C	Access, land use, gates	The POD will include a Flagging, Fencing, and Signage Plan. The Applicant will adhere to BLM fencing standards where required. Fences and gates will be repaired or replaced to their original pre-disturbed condition as required by the landowner or the management agency if they are damaged or destroyed by construction activities. Temporary gates will be installed only with the permission of the landowner or the land management agency, and will be restored to their original pre-disturbed condition following construction. Cattle guards will be installed where new permanent access roads cut through fences, at the request of the land management agency.
TWE-44	P,C,O	Visual	Non-specular conductors will be used to reduce potential visual impacts.
TWE-45	P,C,O	Structure design and public safety	Structures and/or shield/ground wire will be marked with high-visibility devices where required by governmental agencies (Federal Aviation Administration [FAA]). Structure heights will be less than 200 feet, where feasible, to minimize the need for aircraft obstruction lighting.
TWE-46	P,C,O	Visual resources	The Applicant will comply with federal permitting agency stipulations regarding visual resources through development of a Visual Resources Management Plan.
Air Quality			
TWE-47	P,C	Air quality, dust control	The POD will include a Dust Control and Air Quality Plan. Requirements of those entities having jurisdiction over air quality matters will be adhered to and dust control measures will be developed. Open burning of construction trash will not be allowed unless permitted by local authorities.
TWE-48	P,C	Air quality, emissions	The Contractor and Subcontractor(s) will be required to have and use air emissions control devices on construction machinery, as required by federal, state or local regulations or ordinances.

DEIS NO.	PHASE(S) ¹	TOPIC	DESCRIPTION OF MITIGATION MEASURE
Corona Effects			
TWE-49	P,C,O	Corona	Transmission line materials will be designed to minimize corona. The proposed hardware and conductor will limit the audible noise, radio interference, and TV interference due to corona. Tension will be maintained on all insulator assemblies to assure positive contact between insulators, thereby avoiding sparking. Caution will be exercised during construction to avoid scratching or nicking the conductor surface that may provide points for corona to occur.
TWE-50	O	TV, radio interference	The Applicant will respond to complaints of line-generated radio or television interference by investigating the complaints and implementing appropriate mitigation measures. The transmission line will be patrolled on a regular basis so that damaged insulators or other line materials that could cause interference are repaired or replaced.
Public Health and Safety			
TWE-51	P,C,O	Safety standards	The TWE project will be designed, constructed and operated to meet or exceed the requirements of the National Electrical Safety Code (NESC), U.S. Department of Labor, Occupational Safety and Health Administration standards, and the Applicant's requirements for safety and protection of landowners and their property.
TWE-52	O	Induced currents	The Applicant will apply necessary mitigation to eliminate problems of induced currents and voltages onto conductive objects sharing ROW, to the mutual satisfaction of the parties involved.
TWE-53	P,C	Blasting	The POD will include a Blasting Plan, which will identify methods and mitigation measures to minimize the effects of blasting, where applicable. The Blasting Plan will document the proposed methods to achieve the desired excavations, proposed methods for blasting warning, use of non-electrical blasting systems, and provisions for controlling fly rock, vibrations, and air blast damage.
TWE-54	P,C,O	Noise, electrostatic, and EMF	Research studies performed to determine the effects of audible noise and electrostatic and electromagnetic fields (EMF) will be regularly monitored by the Applicant to ascertain whether these effects are significant.
TWE-55	P,C,O	FAA regulations	The TWE Project will be designed to comply with FAA regulations, including lighting regulations, to avoid potential safety issues associated with proximity to airports, military bases or training areas, or landing strips.
TWE-56	P	Worker health and safety	As part of the POD, the Applicant will provide a Health and Safety Plan, which will outline measures to protect workers and the general public during construction, operation, and decommissioning of the TWE Project. The Health and Safety Plan will identify applicable federal and state occupational safety standards, establish safe work practices, and define safety performance standards.
Hazardous Materials, Waste, and Wastewater Management			
TWE-57	P	Hazardous materials	As part of the POD, the Applicant will provide a Spill Prevention and Response Plan. The Plan will address compliance with all applicable federal, state and local regulations, and will include: spill prevention measures, notification procedures in the event of a spill, employee awareness training, and commitment of manpower, equipment, and materials to respond to spills, if they occur.
TWE-58	P	Hazardous materials	As part of the POD, the Applicant will provide a Pesticide Use Plan as a component of the Noxious Weed Management Plan. The Plan will address compliance with all applicable federal, state, and local regulations.

DEIS NO.	PHASE(S) ¹	TOPIC	DESCRIPTION OF MITIGATION MEASURE
TWE-59	P	Hazardous materials	As part of the POD, the Applicant will provide a Hazardous Materials Management Plan that has been approved by applicable federal, state or local environmental regulatory agencies. The plan will address on-site excavation of contaminated soils and debris and will include identification of contaminants, methods of excavation, personnel training, safety and health procedures, sampling requirements, management of excavated soils and debris, and disposal methods.
TWE-60	C	Waste management	No non-biodegradable debris will be deposited in the ROW. Slash and other biodegradable debris will be left in place or disposed of in accordance with agency requirements.
TWE-61	C,O	Hazardous materials, waste management	As part of the POD, the Applicant will provide a Hazardous Materials Management Plan. Hazardous materials will not be drained onto the ground or drainage areas. Totally enclosed containments will be provided for all trash. All construction waste including trash and litter, garbage, other solid waste, petroleum products, and other potentially hazardous materials will be removed to a disposal facility authorized to accept such materials.
TWE-62	C,O	Hazardous materials	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.
Fire Protection			
TWE-64	P,C	Fire, safety	<p>The POD will include a Fire Protection Plan. The Applicant or its Contractor(s) will notify the BLM of any fires and comply with all rules and regulations administered by the BLM and USFS concerning the use, prevention, and suppression of fires on federal lands, including any fire prevention orders that may be in effect at the time of the permitted activity. The Applicant or its Contractor(s) may be held liable for the cost of fire suppression, stabilization, and rehabilitation. In the event of a fire, personal safety will be the first priority of the Applicant or its Contractor(s). The Applicant or its Contractor(s) will:</p> <ul style="list-style-type: none"> • Operate all internal and external combustion engines on federally-managed lands per 36 CFR Part 261.52(j), which requires all such engines to be equipped with a qualified spark arrester that is maintained and not modified; • Carry shovels, water, and fire extinguishers that are rated at a minimum as ABC-10 pound on all equipment and vehicles. If a fire spreads beyond the suppression capability of workers with these tools, all workers will cease fire suppression action and leave the area immediately via pre-identified escape routes; • Initiate fire suppression actions in the work area to prevent fire spread to or on federally-administered lands. If fire ignitions cannot be prevented or contained immediately, or it may be foreseeable that a fire would exceed the immediate capability of workers, the operation must be modified or discontinued. No risk of ignition or re-ignition will exist upon leaving the operation area; • Notify the appropriate fire center immediately of the location and status of any escaped fire; • Review weather forecasts and the potential fire danger prior to any operation involving potential sources of fire ignition from vehicles, equipment, or other means. Prevention measures to be taken each workday will be included in the specific job briefing. Consideration will be given to additional mitigation measures or temporary discontinuance of the operation during periods of extreme wind and dryness; • Operate all vehicles on designated roads. Vehicle parking to be restricted to areas free of vegetation on roads or within the permitted ROW and designated work areas.;

DEIS NO.	PHASE(S) ¹	TOPIC	DESCRIPTION OF MITIGATION MEASURE
			<ul style="list-style-type: none">• Operate welding, grinding, or cutting activities in areas cleared of vegetation within range of the sparks for that particular action. A spotter will be required to watch for ignitions; and• Use only diesel-powered vehicles in areas where excessive heat from vehicle exhaust systems could start brush or grass fires.

Notes: ¹ P = Planning and Engineering, C = Construction, O = Operation, D = Decommissioning

8.4 Selective Mitigation by Milepost

To be determined.