

**OPERATING PERMIT APPLICATION
MONTANA LIMESTONE RESOURCES**

**APPENDIX D
SPILL PLAN FOR OIL AND HAZARDOUS MATERIALS**

Prepared for:

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1.0 INTRODUCTION

Montana Limestone Resources, LLC (MLR) has prepared this Spill Plan for Oil and Hazardous Materials (Spill Plan) to be implemented during construction and operation of MLR's limestone mine. The goal of the Spill Plan is to minimize the potential for a spill, to contain any spillage to the smallest area possible, and to protect environmentally sensitive areas such as the Clark Fork River. In this regard, the majority of oil and hazardous materials will be stored at the plant site which is updrainage of the mine pit. In the unlikely event that a spill occurs at the plant which is not totally contained at the plant, the pit would serve as a containment area preventing any discharge to the Clark Fork River.

1.1 PROJECT LOCATION AND DESCRIPTION

The MLR project is located about 2 miles west of Drummond in Granite County, Montana (Figure 1). Major components of the operation include the pit area, plant site, storage piles (waste rock, topsoil, and mill rejects), and the mine access road from State Highway 1 to the plant site.

1.2 DRAINAGE PATTERNS

The mine and plant site areas are located on a dry ridge with minor swales draining to the north and east. No flowing streams are present within the mine or plant site areas. The mine access road off State Highway 1 crosses a perennial stream (Allendale Ditch) about 0.6 mile west of the highway. Tigh Creek, which rarely has flow, is present west of the mine but no mining is currently planned in the Tigh Creek drainage. All drainages from the mine area connect to the Clark Fork River to the north and east. The closest proposed mine disturbance is about 0.5 mile drainage distance from the river. The plant site, where most fuels and materials will be stored, is about 1 mile (drainage distance) from the river.

1.3 MATERIALS STORAGE AND HANDLING

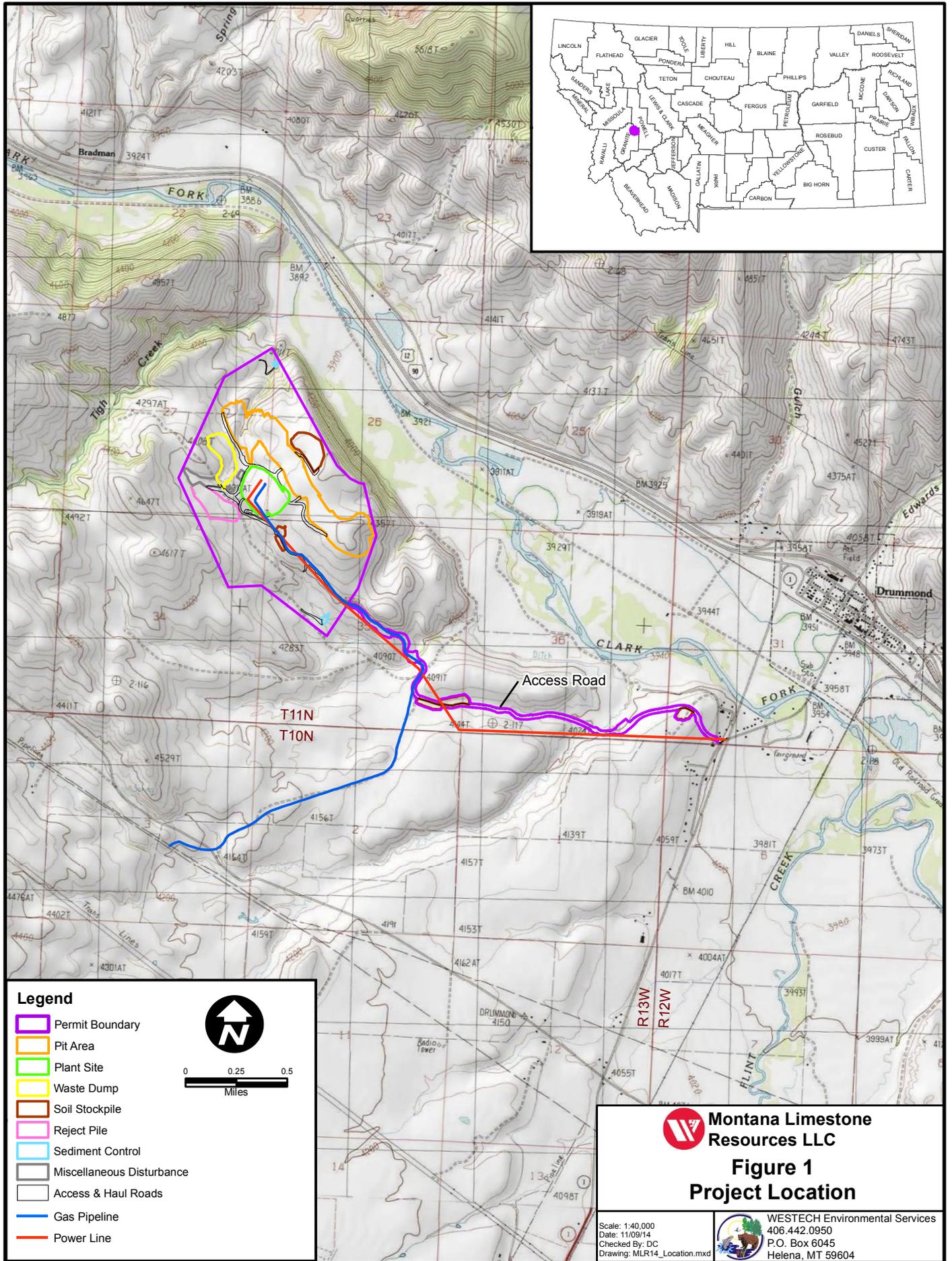
Table 1 presents typical fuels, lubricants, and hazardous materials stored or used during mine construction and operation. Quantities, storage methods, and storage locations are identified. Most materials will be stored at the plant site. Mobile equipment and service trucks will also contain fluids necessary for operating. Storage quantities will vary depending on usage, inventory, and restocking.

1.4 RESPONSIBLE PARTIES AND DUTIES

MLR is responsible for ensuring that its employees and contractors comply with this Spill Plan. The Mine Manager will have direct responsibility to provide the Spill Plan to employees and contractors, to ensure measures identified in the plan are implemented, and to complete and file any necessary reports.

Contractor supervisory personnel will be responsible for ensuring their employees comply with this plan.

MLR will supply necessary manpower, spill response equipment and relevant personal protection equipment (PPE) to address any spills, or contract with a qualified spill response company.



Montana Limestone Resources LLC
Figure 1
Project Location

Scale: 1:40,000
 Date: 11/09/14
 Checked By: DC
 Drawing: MLR14_Location.mxd

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 Helena, MT 59604

Table 1 Typical Fuels, Lubricants, and Hazardous Materials				
Fluid Uses	Fluids	Typical Quantity	Method of Storage	Storage Locations
Fuels	Diesel	10,000 gallons	Tanks or Tankers	Plant Site; Fuel Trucks
	Gasoline	10,000 gallons	Tanks or Tankers, 5-gallon Containers, Truck Tanks	Plant Site; Fuel Trucks
Lubricants	Engine Oil	<100 gallons	Bulk Storage, Retail Packaging	Plant Site; Service Trucks
	Transmission/ Drive Train Oil	<50 gallons	Retail Packaging on Service Trucks	Plant Site; Service Trucks
	Hydraulic Oil	<100 gallons	Bulk Storage, Retail Packaging	Plant Site; Service Trucks
	Gear Oil	<50 gallons	Retail Packaging on Service Trucks	Plant Site; Service Trucks
	Lubricating Grease	<25 gallons	Small Drums	Plant Site; Service Trucks
Coolants, Hydraulic Fluids, Other	Ethylene Glycol	<100 gallons	Bulk Storage, Retail Packaging	Plant Site; Service Trucks
	Propylene Glycol	<100 gallons	Bulk Storage, Retail Packaging	Plant Site; Service Trucks
	Power Steering Fluid	<50 gallons	Retail Packaging on Service Trucks	Plant Site; Service Trucks
	Brake Fluid	<50 gallons	Retail Packaging on Service Trucks	Plant Site; Service Trucks
	Propane	25-100 gallons	Pressurized Tanks	Plant Site; Welding Trucks

The mine manager contact information is:

Name: TBD
Address: TBD
Phone: TBD
E-mail: TBD

2.0 SPILL PREVENTION MEASURES

MLR will ensure that all practicable measures are implemented to minimize the potential for, and consequences of, a spill during construction and operation of the mine and plant.

Storage:

- All fuels will be stored in steel tanks set in concrete containment vaults or dual-wall, fire-resistant, environmentally-approved tanks.
- Fuels and lubricants will be stored only at designated areas and in service vehicles.
- Storage containers will display labels that identify the contents of the container and whether the contents are hazardous. Appropriate labels that identify the specific hazard (flammable, toxic, etc) will be affixed to the containers and readily visible. Safety Data Sheets (SDS) will be present on site.
- Hazardous materials will be stored in their original container unless the container is not resealable, in which case original labels and SDS will be maintained on site.
- All container storage areas will be routinely inspected for integrity purposes.
- Leaking and/or deteriorated containers will be replaced as soon as the condition is first detected with clean-up measures immediately taking place.
- No incompatible materials will be stored in the same containment area.

Secondary Containment (where containment vaults or dual-wall tanks are not used):

- Containment areas will be capable of containing 110% of the volume of hazardous materials being stored.
- Secondary containment structures will be constructed so that no outlet is provided and any spill will be contained within the containment structure.
- Temporary containment devices (such as tubs, lined pits, etc.) will be used for temporary storage areas.

Fuel Transfer/Unloading/Loading areas:

- Re-fueling and transferring of any liquids will only occur on concrete-paved locations that are on level ground and at least 100 feet from any wetland or waterway. Activity will be continuously manned to ensure that overfilling, leaks, or spills do not occur.
- Service vehicles used to transport fuel will be equipped with an appropriate number of fire extinguishers and an oil spill response kit. At a minimum, this kit will include:
 - Four, 48" x 3" oil socks
 - Five, 18" x 18" oil pillows
 - Ten, 24" x 24" oil mats/pads
 - 1 box garden-size, 6-mil, disposable polyethylene bags (w/ties)
 - Shovel
- Fuel nozzles will be equipped with functional automatic shut-off valves.
- Drivers of tank trucks will be responsible for spill prevention during tank truck unloading. Procedures for loading and unloading tank trucks will meet the minimum requirements established by the Department of Transportation. Drivers will observe and control the fueling operations at all times to prevent overfilling.
- Prior to departure of a tank truck, outlets of the vehicle will be examined by the driver for leakage and tightened, adjusted, or replaced as required to prevent liquid leakage while in transit.

3.0 SPILL RESPONSE MEASURES

The response action priorities upon discovery of a spill are to protect the safety of personnel and the public, and minimize environmental impacts. Key actions immediately following discovery of a spill are:

- Assess the safety of the situation, both in the immediate vicinity and for the surrounding public.
- Remove sources of ignition if it is safe to do so.
- Shut off the source of the spill if it is safe to do so.

The person discovering a spill shall promptly notify the Mine Manager, who will implement spill control measures as described below.

Implement the following response actions for spills on land:

- Construct berms using available equipment and/or deploy barrier materials to contain the spill.
- Apply sorbent materials to the spill area.

- Minimize traffic on contaminated soils.
- Excavate contaminated soils and vegetation and transport to a licensed and approved treatment or disposal facility.

Implement the following response actions for spills in or near a wetland or waterbody:

- Implement the response actions described for land spills in shoreland areas. Excavate trenches if necessary to create collection sumps to prevent liquids from entering wetlands or waterbodies.
- If a spill occurs into a stream, or other waterbody containing standing or flowing water, notify proper authorities.
- Deploy booms, curtains, and sorbents to minimize the spread of the spill.
- Secure the services of an Emergency Response Contractor (see Section 4.2) if required to assist with containment and cleanup of the spill.

4.0 SPILL CLEANUP MEASURES

4.1 GENERAL CLEANUP MEASURES

Small spills and leaks will be remediated as soon as possible, generally by mine company personnel. Larger or more complex spills may be cleaned up by mine company personnel and/or by a cleanup contractor. Cleanup procedures will vary, depending on size and type of spill, location, and site conditions.

Small spills will be cleaned up using sorbent materials and hand tools to remove contaminated soils. Larger spills would use mine equipment such as loaders, backhoes and trucks.

Contaminated materials (adsorbent pads, clay, etc.) and any impacted soil would be placed in appropriate storage containers such as plastic bags or appropriately-sized drums. For larger quantities of affected soils, temporary plastic-lined storage areas would be constructed.

4.2 CLEANUP CONTRACTORS

Spills too large for cleanup by MLR employees will be handled by a contractor specializing in spill cleanup. Montana spill cleanup contractors include:

Olympus Technical Services, Inc.
 Helena, MT 59601
 Telephone: (406) 443-3087
 Fax: (406) 443-0232

West Central Environmental Consultants (WCEC)
 Missoula, MT 59801
 Telephone: (406) 549-8787 or (800) 422-8356
 Fax: (406) 549-8490

Environmental Restoration LLC
Libby, MT 59923
Telephone: (406) 293-2082 or (888) 814-7477
Fax: (406) 293-2674

4.3 WASTE DISPOSAL

Waste lubricating oil, hydraulic fluid, antifreeze, and other similar waste will be placed in tanks labeled for their specific fluid. Once a week (or more often if required), a contract service specializing in handling and recycling, or other licensed means of disposal of these types of waste, will pick up these fluids and transport them to their recycling facility.

Contaminated cleanup material such as spill mats, pads, absorbent socks, booms or skimmers, and contaminated soils and vegetation will be put in appropriate containers and transported to a licensed disposal or land farm facility.

5.0 SPILL NOTIFICATIONS AND REPORTING

The following types of spills must be reported to the Department of Environmental Quality/Disaster and Emergency Services (DEQ/DES):

- Releases or spills of hazardous substances in amounts that meet or exceed the reportable quantities in 40 CFR Part 302. Notification to DES and the National Response Center (NRC) is required.
- Spills, overfills, and suspected releases from underground storage tanks and petroleum storage tanks. *ARM 17.56.501, et seq.*
- Releases or spills of any materials that would lower the quality of groundwater below water quality standards. *ARM 17.30.1045.*

The following types of spills should be reported to DEQ/DES:

- Spills that enter or may enter state water or a drainage that leads directly to surface water.
- Spills that cause sludge or emulsion beneath the surface of the water, streambanks or shorelines.
- Spills that cause a film, “sheen”, or change the color of the water, streambanks or shorelines.
- Spills of 25 gallons or more of any petroleum product such as: crude oil, gasoline, diesel fuel, aviation fuel, asphalt, road oil, kerosene, fuel oil, produced water, injection water, or combination thereof, and derivatives of mineral, animal or vegetable oils.

Spills will be reported using DEQs “Standardized Cleanup Report for Spills or Releases that Impact Soil” (<http://deq.mt.gov/enf/spill.mcp>).

The following agencies will be notified of reportable spills:

Montana DEQ: 406-841-5000 or 800-457-0568; petroleum releases from regulated above ground and underground storage tanks must be reported to the DEQ within 24 hours of detection; DEQ must be

notified of releases greater than 25 gallons; release less than 25 gallons must be contained and cleaned up with 24 hours; if cleanup cannot be completed within 24 hours, spills less than 25 gallons must be reported to DEQ.

Montana Disaster and Emergency Services (DES): 406-324-4777 (24 hours).

National Response Center (NRC): 800-424-8802 (24 hours).

Granite County DES Coordinator: Ryan Lee, 9 Garden Acres Lane, Drummond, MT 59832; 406-360-1626 (cell); rlee@co.granite.mt.us (contact information as of 3/12/2014).