

1 INTRODUCTION

Itafos Conda LLC (Itafos) proposes to develop an open-pit phosphate mine in Caribou County, Idaho. The Husky 1 North Dry Ridge Mine (H1NDR, Project, or Proposed Action) is located approximately 16 miles (26 road miles) northeast of Soda Springs, Idaho (Figure 1-1). The Project is within the Caribou-Targhee National Forest (CTNF) as well as on private lands.

As shown in Table 1-1, the Project will occur within four Federal Phosphate Lease boundaries: the North Dry Ridge Federal Phosphate Lease IDI-8289 (NDR Lease), the Husky 1 Federal Phosphate Lease IDI-05549 (H1 Lease), the Maybe Canyon Mine Federal Phosphate Lease IDI-04 (MCM Lease), and the Dry Valley Mine Pit D Federal Phosphate Lease IDI-0678 (DVM Pit D Lease). Additional permanent Project components are proposed outside of existing Federal Phosphate Leases but within the Known Phosphate Lease Area (KPLA). Permanent Project activities within the CTNF outside of existing Federal Phosphate Leases will require lease modifications. These areas are referred to as Off-Lease Areas. Temporary Project activities within the CTNF outside of existing Federal Phosphate Leases will require Special Use Permits (SUPs). These areas are referred to as Off-Lease SUP Areas (Figure 1-1).

The Project will result in the development of two primary mining areas in which mining and reclamation activities will occur. The North Dry Ridge Mine (NDR) will consist of one open pit that will occupy a portion of the NDR Lease. The Husky 1 Mine (H1) will consist of a series of adjacent pits and will occupy portions of the H1 Lease, the Off-Lease Area, and the MCM Lease. Ore will be transported via haul roads from the H1 and NDR pits to the proposed ore stockpile and train loading facility (tipple) location within the DVM Pit D Lease Boundary. From the tipple, ore will be loaded onto railcars and transported to the Itafos Conda processing facility north of Soda Springs. The Project will result in the development of one temporary Overburden Storage Area (OSA; on the H1 Lease and a temporary Off-Lease SUP Area) and one permanent OSA (on the MCM Lease and Off-Lease Area). The shop, offices, equipment storage, and some haul roads will be located on private land. Table 1-1 summarizes the proposed Project components.

Table 1-1. Project Components

Lease/Location Name	Lease Number	Proposed Project Components
NDR	IDI-8289	NDR pit, backfill
H1	IDI-05549	H1 pit, backfill, temporary OSA
MCM	IDI-04	H1 pit, backfill, haul roads, permanent OSA
DVM Pit D ¹	IDI-0678	Tipple and ore stockpile, haul road ramp
Off-Lease Areas ¹	N/A	H1 pit, backfill, permanent OSA, temporary OSA
Off-Lease SUP Areas ²	N/A	Haul roads, haul road ramp
Private Property	N/A	Haul roads, shop, offices, storage

Notes:

¹ Requires a lease modification.

² Requires an SUP.

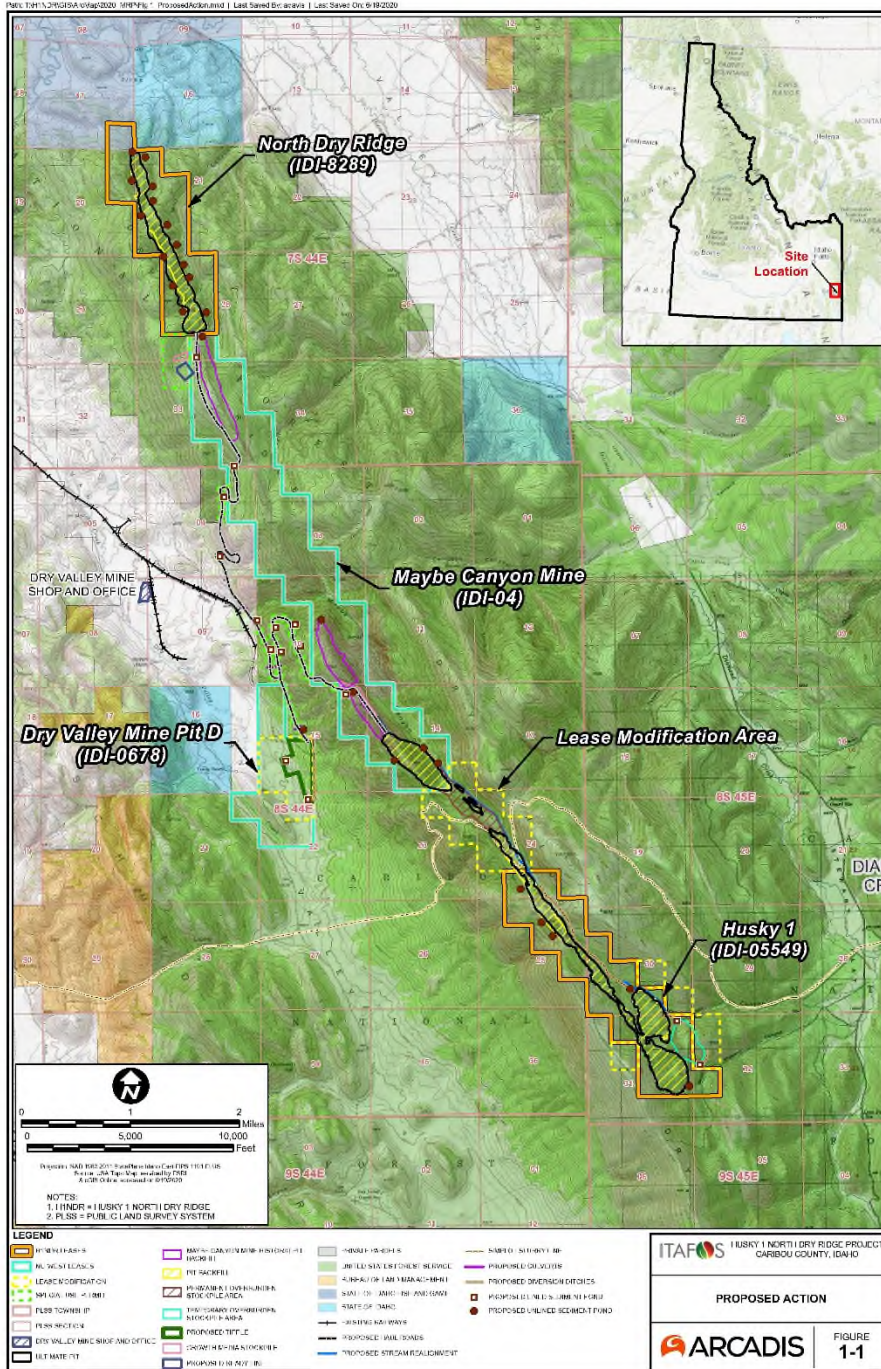
DVM = Dry Valley Mine

MCM = Maybe Canyon Mine

N/A = not applicable

MINE AND RECLAMATION PLAN

Figure 1-1. Proposed Action



MINE AND RECLAMATION PLAN

Itafos currently holds the NDR and H1 Leases. Nu-West Industries, Inc (Nu-West), a wholly owned subsidiary of Nutrien Ltd., currently holds the MCM Lease, DVM Pit D Lease, and the aforementioned private property. Portions of the MCM Lease and associated operable units, which have been previously mined, are currently undergoing investigations of hazardous substance releases and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). The DVM Pit D Lease is currently managed under the regulatory requirements of the 2008 Amended Consent Order and the 2000 Final Environmental Impact Statement.

All operations described in this Mine and Reclamation Plan (MRP) will be performed by Itafos or its designee.

Responsible Party:

Itafos Conda LLC

Mine Permitting Manager: Chris Guedes

3010 Conda Road

Soda Springs, Idaho 83276

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1.1 Project Location

The Project is in Caribou County, Idaho, approximately 16 miles northeast of Soda Springs. As shown on Figure 1-1, the Project footprint encompasses portions of:

- Township 7 South; Range 44 East
 - Sections: 20, 21, 28, and 33
- Township 8 South; Range 44 East
 - Sections: 4, 8, 9, 10, 14, 15, 22, 23, 24, and 25,
- Township 8 South; Range 45 East
 - Sections: 30, 31, and 32.

NDR is located about 2 miles south of Rasmussen Valley Mine on the north end of the northwest-southeast trending Dry Ridge. H1 is located about 6 miles southeast of NDR at the southern end of Dry Ridge and extending southeast along the western flank of Stewart Ridge.

The Project is accessed from Soda Springs, Idaho by taking State Highway 34 north for approximately 11 miles, then turning right (east) onto Blackfoot River Road and proceeding for approximately 10 miles, then veering right at Slug Creek Road for 0.04 mile, and then proceeding southeast along the Dry Valley Road for approximately 6 miles to its junction with the Stewart Canyon Road/Caribou National Forest Road 134 (Figure 1-1).

1.2 Objectives

Itafos is submitting this MRP with the primary objective to obtain the necessary permits and approvals enabling phosphate ore mining of the leases and to comply with the requirements of Title 43 Code of Federal Regulations (CFR) 3592; Idaho's Code Title 47, Chapter 15; and Idaho Administrative Procedures Act (IDAPA) 20, Title 03, Chapter 02. Itafos has used these requirements as a guide in preparing this MRP. The objective of the Project is to economically maximize the recovery of phosphate ore while minimizing environmental impacts.

1.3 Document Structure

The MRP describes proposed mine development, operation, and reclamation of the leased and disturbed lands. Appendix A includes a series of detailed maps illustrating pre-mining, mining (by phase), and post-mining (reclamation) conditions. Itafos will develop, mine, and reclaim the Project consistent with applicable federal, state, and local laws. This MRP details the geologic setting, development plan, operational plan, and reclamation plan that support the Project. The MRP also provides all items required in CFR Title 43 Part 3592, as illustrated in Table 1-2.

Table 1-2. MRP Cross-Reference with Code of Federal Regulations

Application Section and Title	Applicable CFR	Corresponding Section Numbers/Appendix
Topographic Map Depicting Lease and Major Features	43 CFR 3592.1.(c).(3)	Appendix A
Surface and Mineral Ownership Information	43 CFR 3592.1.(c).(1) & c.7.ii	Appendix B
Operator and Responsible Party Contact Information	43 CFR 3592.1.(c).(1)	Section 1
Geologic Conditions	43 CFR 3592.1.(c).(2) & c.7.iv(X-SXNS)	Section 3, Appendices A and C
Mining Methods and Description	43 CFR 3592.1.(c).(4) & c.7.vi	Section 5.2
Estimated Mineral Resources	43 CFR 3592.1.(c).(5)	Section 4.1
Methodology to Reach Maximum Recovery	43 CFR 3592.1.(c).(6)	Section 3.6
Maps and Cross-Sections	43 CFR 3592.1.(c).(7), 43 CFR 3592.2, & 43 CFR 3592.3	Appendices A and C
Environmental Aspects	43 CFR 3592.1.(c).(8)	Section 5.5
Estimated Quantity of Water to Be Used	43 CFR 3592.1.(c).(8).I	Section 4.2
Pollutants that May Enter Receiving Waters	43 CFR 3592.1.(c).(8).I & c.8.iii	Section 5.5
A Design for the Control of Runoff Water	43 CFR 3592.1.(c).(8).ii	Appendix D

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Application Section and Title	Applicable CFR	Corresponding Section Numbers/Appendix
Fire Prevention Measures	43 CFR 3592.1.(c).(8).iii	Section 5.4
Measures to Prevent Soil Erosion	43 CFR 3592.1.(c).(8).iii	Section 5.5
Measures to Prevent Surface Water Pollution	43 CFR 3592.1.(c).(8).iii	Section 5.5
Measures to Prevent Groundwater Pollution	43 CFR 3592.1.(c).(8).iii	Section 5.5
Measures to Prevent Pollution of Air	43 CFR 3592.1.(c).(8).iii	Section 5.5
Measures to Prevent Pollution Damage to Wildlife	43 CFR 3592.1.(c).(8).iii	Section 5.5
Measures to Prevent Damage to Natural Resources	43 CFR 3592.1.(c).(8).iii	Section 5.5
Measures to Prevent Hazards to Public Health and Safety	43 CFR 3592.1.(c).(8).iii	Section 5.3
Surface Reclamation Schedule	43 CFR 3592.1.(c).(9)	Section 5.6
Method of Abandonment of Operations to Protect Resources	43 CFR 3592.1.(c).(10)	Section 5.6