

State of New Mexico
Energy, Minerals and Natural Resources Department

Michelle Lujan Grisham
Governor

Sarah Cottrell Propst
Cabinet Secretary

Todd E. Leahy, JD, PhD
Deputy Secretary

Jerry Schoeppner, Director
Mining and Minerals Division



September 7, 2022

Dear Sir or Madam:

The Abandoned Mine Land Program is advertising for bid the Harding Pegmatite Mine Safeguard Project - Phase II. The project is located between the towns of Dixon and Peñasco in Taos County, New Mexico. A mandatory virtual pre-bid meeting is scheduled for September 14, 2022 with an optional site visit on September 15, 2022. Bids are due on September 23, 2022.

The project involves constructing and enhancing safeguard measures to address site security and identified site hazards. The project will include the following work:

- Constructing safeguard measures to address areas of subsidence and collapse into existing mine features. Three subsidence features will be addressed:
 1. Subsidence into a reopened decline adit at Feature F9. The declined adit opening will be fully exposed and then sealed with a polyurethane foam (PUF) plug. The PUF plug will then be covered over with existing and imported granular fill.
 2. Soil piping has created a vertical opening into the mine near the main adit. The opening (Feature SUB-2) has been identified as an enhancement to bat habitat in the mine, and a vent pipe will be installed in the hole with the annulus filled with PUF and capped with granular fill.
 3. A large collapse has created an open stope at a location above the highwall at the mine site. The open stope affords unauthorized and dangerous entrance into the mine workings. The open stope (Feature SUB-1) will be completely filled to existing grade. Construction will include bridging the openings into the mine workings using toroid tire plugs, covering the tires with a geotextile, filling much of the open stope with PUF, and capping the PUF with salvaged topsoil and imported granular fill.
- Safeguard measures to discourage visitors from approaching vertical highwalls will include:

1. Ensuring that a portion of barbed wire fence that will be temporarily removed for work at Feature SUB-1 is replaced.
 2. Installation of new six-strand barbed wire fencing around portions of a mine feature known as the Iceberg Pit.
- Enhancement to site security will include work at the entrance to the site (Gate 1) to stabilize a gate post where the erosion has exposed the footing. Granular imported fill and riprap will be used to replace lost material and stabilize the gate post.
 - General site enhancement and visitor safety improvements shall include performing maintenance to public access routes (foot travel) and clearing of fallen rock from in front of the Mine Features at the site. Work shall be provision of labor and small equipment (e.g., skid steer) to perform maintenance directed by the Project Manager.

The engineer's estimate for this project is between \$100,000 and \$300,000.

If you are interested in obtaining the project manual for this construction project, please contact Meghan McDonald at 505.629.9872 (Meghan.McDonald@state.nm.us). Also, more information can be found on the AML web site at <https://www.emnrd.nm.gov/mmd/harding-pegmatite-mine-safeguarding-project-phase-ii/>.

Sincerely,



Meghan J. McDonald, P.E.
Principal Engineer
New Mexico Abandoned Mine Land Program

cc:file