

Magnetite Expansion Project

Pipeline Geotechnical Investigations Program General Information Sheet | July 2023



Background

As part of the Magnetite Expansion Project 2 (MEP2) a new slurry and water pipeline is required to transport the increase in magnetite concentrate to Whyalla. The proposed new pipeline will extend from the proposed new concentrator in the South Middleback Ranges (SMR) to the Outer Harbor Port Facility.

Location: Parallel to the existing slurry/water pipeline within the same easement under the existing Miscellaneous Purpose Licence (MPL).

Length: Approximately 60km

Constructed: Underground

Approval: Mining Act and PDI Act



Figure 1: Proposed pipeline route from SMR to Whyalla and inset, pipeline route through Whyalla.

SIMEC Mining are planning to undertake a geotechnical investigation program for the additional pipeline. The investigation is being undertaken to better understand the ground conditions and soil make up along the proposed pipeline route.

Program Details

The Geotechnical investigation program details include:

- Digging of test pits approximately every 1km along the existing pipeline
- Test pit sites identified are expected to be approximately 2-3m long and 1-1.5m wide.
- A test pad of 15m x 5m will be required to facilitate the activities, access and equipment located within already cleared land. The associated activities include vehicle access tracks, test pit digging, soil stockpiles and laydown area
- Avoidance of any clearance of native vegetation.
- Rehabilitation will occur immediately after the pit investigation is completed (within 24 hours of initial investigation).

Equipment and Personnel

- 1 x backhoe
- 1 -3 x light vehicles
- Up to 7 personnel



Figure 2: Example test pit and equipment

Stakeholder notification and land access

Notification for this program will be provided to the Department for Energy and Mining where required and consultation with other relevant stakeholder's will be undertaken to provide site specific details prior to the program commencing.

Proposed Timing 2023

- **August**
 - Site walk
 - Pegging of pit locations and access routes
 - Other services detection
- **September**
 - Geotechnical field works
 - Test pit refilling following excavation
- **October**
 - Geotechnical field works
 - Test pit refilling following excavation
- **December 2023**
 - Program completion

The proposed timeframe for the pipeline geotechnical investigation is between August to December 2023.

Once a detailed schedule of works has been confirmed with the contractor, stakeholders will be informed of specific dates and timing related for land access and provided with other details including number of personnel, number and type of vehicles and rehabilitation process.

If you require or are interested in any other information regarding the testing program, please advise so that we can ensure this information is provided before the Geotech program begins.

Contact us

Thank you for your ongoing interest in the MEP2. The stakeholder engagement team will be in touch shortly to seek your interest in meeting regarding the pipeline geotechnical drilling program. If you would like to contact us in the interim, please do not hesitate to call or email the following team members.

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