

ASX Announcement

Major geotechnical program begins at Nolans

16 August 2018



- **Work underway to assess geotechnical conditions for proposed Nolans process plants, tailings dams and associated infrastructure**
- **Program also includes hydrogeological drilling and establishment of monitoring borehole for tailings and residue storage areas**
- **Nolans site and surrounding area also to be assessed for presence of suitable construction materials**

Arafura Resources Limited (ASX: ARU) (Arafura or the Company) is pleased to announce the commencement of a major geotechnical program at its 100 per cent-owned Nolans Neodymium-Praseodymium (NdPr) Project in the Northern Territory to assess proposed locations for critical site infrastructure.

Information from the program, which involves the excavation of 70-80 shallow test pits and the drilling of six or seven geotechnical diamond drill holes to a depth of 10-20 metres, will be used in the Definitive Feasibility Study (DFS) design of the Nolans process plant foundations, tailings impoundment dams, access roads, and mine site creek diversion.

The program, which is expected to be complete within 2-3 weeks, will also include hydrogeological drilling and the installation of a permanent monitoring borehole that will provide information on groundwater crucial to the design of the tailings and residue seepage management systems.

The Nolans project area will also be thoroughly assessed for the presence of appropriate construction materials such as sand, aggregate and clay, a process that may assist in lowering construction costs estimated in the Nolans DFS, which is currently in progress.

All work under this program has been planned and supervised by consulting engineer Knight Piésold and is being carried out by drilling and earthworks contractors from Alice Springs and Darwin.

The Company previously completed extensive geotechnical programs around the site of the proposed Nolans mine during 2008-2011 aimed at gathering data for the design of the mine and waste dumps.

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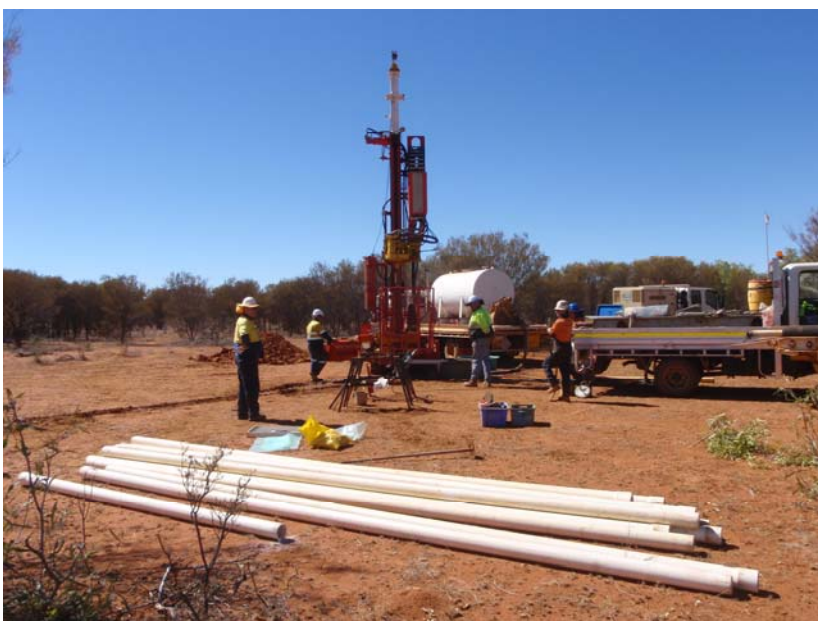
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Biosecurity inspection of drilling equipment by Arafura personnel prior to site entry



Geotechnical core drilling at the site of the Nolans process plant



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Major geotechnical program begins at Nolans

Geotechnical drillers completing Standard Penetration Test



Geotechnical test pit excavation at the site of the Nolans process plant



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