

**From:** [Shannon Allerston](#)  
**To:** [Permits](#)  
**Subject:** FW: 18104954-56000 Giant Test Pit Program Summary  
**Date:** December 6, 2018 11:43:15 AM

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Please file under MV2016S0016

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**From:** Harris2, Katherine (AADNC/AANDC) [mailto:katherine.harris2@canada.ca]  
**Sent:** December-04-18 3:39 PM  
**To:** Tyree Mullaney; Kimberley Murray; Shannon Allerston  
**Subject:** FW: 18104954-56000 Giant Test Pit Program Summary

Hello,

I apologize for the lateness of this notification to the Board. The field operations contact information is as follows – both are with Golder:

Primary – Kevin Rattray (c) – 867-445-2407 (will be in the field)  
Secondary -- Steven Fiddler (c) 780-984-6600 (project manager in Edm)

Please let me know if you have any questions or require any additional information.

Regards,  
Katherine

Regulatory Manager, Giant Mine Remediation Project  
Crown-Indigenous Relations and Northern Affairs Canada  
[Katherine.Harris2@canada.ca](mailto:Katherine.Harris2@canada.ca)  
Tel: 867-669-2775 / Cel: 867-445-3413

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**From:** Thomas, Tauhid-Brian (AADNC/AANDC) <tauhid-brian.thomas@canada.ca>  
**Sent:** Saturday, December 01, 2018 10:28 AM  
**To:** Penney2, Devin (AADNC/AANDC) <devin.penney2@canada.ca>; Morton, Tim (AADNC/AANDC) <tim.morton@canada.ca>  
**Cc:** 'David Hango' <David.Hango@pwgsc-tpsgc.gc.ca>; Harris2, Katherine (AADNC/AANDC) <katherine.harris2@canada.ca>; Ferguson, Elissa (AADNC/AANDC) <elissa.ferguson@canada.ca>  
**Subject:** FW: 18104954-56000 Giant Test Pit Program Summary

Hello Gentlemen,

We are planning conducting test pitting next week in various locations at Giant Mine next week. The work is to collect samples to conduct geochemical testing locations for potential borrow locations. I have attached our anticipated locations.

Given the shallow nature of the test pits (0.5 to 1.0 m) it is not anticipated that surface or groundwater infiltration will be a concern. In addition, given the frozen site conditions and the short

period of time the excavated material will be stockpiled on the surface (1 hour or less), runoff from the excavated material is also not anticipated to be an issue. The excavated material will be stockpiled away from any natural drainage pathways or ditches and the test pits will be backfilled with the excavated material. The test pits will be re-graded using the excavator as best as possible to prevent settling and ponding of water in the Spring.

Please let me know if there are any issues.

Thanks

Tauhid

Tauhid-Brian Thomas  
Senior Engineer  
Giant Mine Directorate  
Northern Contaminated Sites Program Branch  
Indigenous and Northern Affairs Canada  
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**From:** Fiddler, Steven [<mailto:Steven.Fiddler@golder.com>]  
**Sent:** 29 novembre 2018 13:48  
**To:** David Hango; Thomas, Tauhid-Brian (AADNC/AANDC)  
**Cc:** Cole, Arthur; Greg Wright ([Greg.Wright@aecom.com](mailto:Greg.Wright@aecom.com)); Sarah Marsanich; Vasilcin, Mark  
**Subject:** 18104954-56000 Giant Test Pit Program Summary

Hi Dave,

As requested, here is a summary of the proposed test pit program for the collection of the contaminated granular fill samples for geochemical testing. This scope of work includes the advancement of 30 test pits from six locations at the Site where contaminated granular fill is present. Five test pits will be advanced from each of the following six locations (refer to the attached images):

- Townsite (TP1-18 through TP5-18);
- Mill Area (TP8-18 through TP12-18);
- Tailings Retreatment Plant (TP14-18 through TP18-18);
- B2 Pit Laydown Area (TP19-18 through TP23-18);
- A1 Pit Dump (TP25-18 through TP29-18); and

- Roadway Network (TP6-18, TP7-18, TP13-18, TP24-18, and TP30-18).

The test pits will be advanced to a depth of 0.5 to 1.0 m using a CAT 324 track mounted excavator equipped with a frost tooth bucket. The excavator will be provided and operated by Det'on Cho Nahanni Construction Ltd. (DCN). A 1 kg bag sample and a 10 kg bulk sample of contaminated granular fill will be collected from each test pit. The 1 kg bag sample from each test pit will be shipped to Maxxam Analytics (Maxxam) located in Burnaby, British Columbia for laboratory analysis. The 10 kg bulk samples will be placed in storage within C-Dry for potential future laboratory analysis. It is anticipated that this work will occur over five days from December 3rd through 7th, 2018. Let me know if you require any additional details.

Steve

**Steven Fiddler (B.Sc)**  
*Environmental Scientist*

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