

From: Irwin, Geneva (AADNC/AANDC)
To: boydw@bathurstinlet.com; screeningofficer@eastarm.com; gordon.hamre@gmail.com; nerds@northwestel.net; barryt@arcticsafaris.ca; boydw@bathurstinlet.com; dave.white@aurorageosciences.com; Paradis_Adrian@CANNOR; umar.hasany@canada.ca; mheyck@yellowknife.ca; dkefalas@yellowknife.ca; kpenney@yellowknife.ca; mauge@yellowknife.ca; rmakohoniuk@yellowknife.ca; walexander@yellowknife.ca; lands@denenation.com; iqbal@dcnwt.com; admin_dkfn@northwestel.net; ima_dkfn@northwestel.net; craigecologynorth@gmail.com; [EE_Nord_RPN_TNO / EA North_PNR_NWT](mailto:EE_Nord_RPN_TNO_EA_North_PNR_NWT) (EC); [Forster, Lori](mailto:Forster_Lori) (EC); [Froese, Jennifer](mailto:Froese_Jennifer) (EC); [Wilson, Lindsey](mailto:Wilson_Lindsey) (EC); don.pittman@dfo-mpo.gc.ca; Laura.Phalen@dfo-mpo.gc.ca; fieldworker_frmc53@northwestel.net; frmcpresident@northwestel.net; fortsmithmetiscouncil@northwestel.net; giant.mine.ob@gmail.com; edgmobs@gmail.com; bslater@bslater.ca; Alexis_Campbell@gov.nt.ca; stu_niven@gov.nt.ca; Heather_Beck@gov.nt.ca; laurie_mcgregor@gov.nt.ca; Nathen_Richea@gov.nt.ca; patrick_clancy@gov.nt.ca; Paul_Green@gov.nt.ca; Robert_Jenkins@gov.nt.ca; Wendy_Bidwell@gov.nt.ca; Nahum_Lee@gov.nt.ca; Rick_Walbourne@gov.nt.ca; bernie_overvold@gov.nt.ca; Colin_merz@gov.nt.ca; doug_carr@gov.nt.ca; Anjum_Syed@gov.nt.ca; Steven_Shen@gov.nt.ca; katie_rozestraten@gov.nt.ca; Jon_Posynick@gov.nt.ca; johnny_lennie@gov.nt.ca; Peter_Fast@gov.nt.ca; Tara_Naugler@gov.nt.ca; Brandon_Bradbury@gov.nt.ca; clint_ambrose@gov.nt.ca; Jayda_Robillard@gov.nt.ca; joe_heron@gov.nt.ca; Lindsay_Armer@gov.nt.ca; Mike_Vassal@gov.nt.ca; Norman_McCowan@gov.nt.ca; pat_knutson@gov.nt.ca; Scott_Stewart@gov.nt.ca; Charlene_Coe@gov.nt.ca; darren_campbell@gov.nt.ca; Tamika_Mulders@gov.nt.ca; Paul_Mercredi@gov.nt.ca; Iqbal_Arshad@gov.nt.ca; Olivia_Lee@gov.nt.ca; glen_mackay@gov.nt.ca; Hilary_machtans@golder.com; Tasha_Hall@golder.com; Carole.Lands@gmail.com; hmmc@northwestel.net; landsnresources@katlodeeche.com; Mohapatra_Asish (HC/SC); NT_Card (AADNC/AANDC); [Leighfield, Rebecca](mailto:Leighfield_Rebecca) (AADNC/AANDC); [Morton, Tim](mailto:Morton_Tim) (AADNC/AANDC); chief.lkdfn@gmail.com; lkdfnlands@gmail.com; ww.symbion@shawbiz.ca; Permits_Tyree Mullaney; Kierney_Leach; Jen_Potten; executivedirector@miningnorth.com; rcc.nwtmn@northwestel.net; president.nwtmn@northwestel.net; Gary_Woo@neb-one.gc.ca; doug.townson@pwgsc-tpsgc.gc.ca; jennifer.singbell@pwgsc-tpsgc.gc.ca; Linda.Pickett@pwgsc-tpsgc.gc.ca; Brad.thompson@pwgsc-tpsgc.gc.ca; David.Hango@pwgsc-tpsgc.gc.ca; Erika_Nyssonen@gov.nt.ca; [Amphlett, Jane](mailto:Amphlett_Jane) (AADNC/AANDC); [Braumberger, Aaron](mailto:Braumberger_Aaron) (AADNC/AANDC); [Ross, Katherine](mailto:Ross_Katherine) (AADNC/AANDC); [Irwin, Geneva](mailto:Irwin_Geneva) (AADNC/AANDC); [Wells, Craig](mailto:Wells_Craig) (AADNC/AANDC); [Plato, Natalie](mailto:Plato_Natalie) (AADNC/AANDC); [Harris2, Katherine](mailto:Harris2_Katherine) (AADNC/AANDC); [Markey, Andrea](mailto:Markey_Andrea) (AADNC/AANDC); [Thomas5, Christopher](mailto:Thomas5_Christopher) (AADNC/AANDC); shin.shiga@nsma.net; nicole@nsma.net; preliminaryscreening@reviewboard.ca; mcliffephillips@reviewboard.ca; CEO.srfn@northwestel.net; chief.srfn@northwestel.net; exec@siema.ca; dconnelly@ileroyale.com; zabeyneviitt@tlicho.com; gracemackenzie@tlicho.com; georgemackenzie@tlicho.com; grandchiefediwa@tlicho.com; henryzoe@tlicho.com; jessicahum@tlicho.com; jolinehuskey@tlicho.com; lauraduncan@tlicho.com; seanrichardson@tlicho.com; jhood@fortsmith.ca; sao@hayriver.com; Sarah_Elsasser; btracz@wrrb.ca; jpellissey@wrrb.ca; land@wpfn.ca; susan.abernethy@wscc.nt.ca; Melanie.Murphy@wscc.nt.ca; as.geovector@bellnet.ca; ebetsina@ykdene.com; esangris@ykdene.com; wlines@ykdene.com; jblack@ykdene.com; apower@ykdene.com; bjoy@sogoil.com; kor@theedge.ca; edehtiar@gmail.com
Subject: Air Quality Monitoring Weekly Summary - Week Ending in January 27
Date: February 2, 2018 2:35:23 PM
Attachments: [January_27.pdf](#)

Good Afternoon,

A summary of the Giant Mine ambient air quality monitoring program (AQM) for the week ending January 27, 2018 is as follows:

Fenceline Network:

- The real time fenceline air quality network was shut down for the winter season on November 30, 2017.
- There are no outstanding laboratory analyses of integrated 24-hour arsenic, PM₁₀, and TSP filter samples collected at the fenceline sampling locations.

Community Stations:

- No 24-hour average concentrations of PM_{2.5} and PM₁₀ were measured above the referenced standards at the community stations during the week. PM_{2.5} and PM₁₀ concentrations during the week were typically representative of seasonal background

concentrations;

- Laboratory analyses of community station filters collected after December 6, 2017 are pending;
- Laboratory analyses of asbestos samples collected at the community stations after January 5, 2018 are pending;
- There were no NO₂ concentrations measured at the Niven Lake community air monitoring station above the NWT Ambient Air Quality 24-Hour Standard of 106 parts per billion (ppb) or the 1-Hour Standard of 213 ppb during the week. Table 1 summarizes the daily hourly maximum concentrations and the daily 24-Hour average concentrations measured at the Niven Lake community station during the week.

Table 1

Niven Lake Community AQM Station NO₂ Concentrations

Date	Maximum One-hour Average (ppb)	24-hour Average (ppb)
January 21, 2018	2.1	1.4
January 22, 2018	1.9	1.2
January 23, 2018	11.6	5.0
January 24, 2018	29.5	12.3
January 25, 2018	2.3	1.1
January 26, 2018	9.5	2.3
January 27, 2018	5.1	1.9

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General Operation:

- The AQM program operated as specified during the week ending January 27, 2018.

Sincerely,

Natalie Plato



PO BOX 1500
YELLOWKNIFE NT X1A 2R3

February 2, 2018

Distribution List

RE: Air Quality Reports for the Week of January 27, 2018.

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Sincerely,



Natalie Plato
Deputy Director
Giant Mine Remediation Project

c.c.: Distribution List