

**Johnson, Bill H (DNR)**

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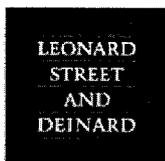
**From:** Fontaine, Gregory <Gregory.Fontaine@██████████>  
**Sent:** Friday, August 02, 2013 1:16 PM  
**To:** Henderson, Joe (MPCA); tbodus@██████████; Doperalski, Melissa (DNR); Engstrom, Jennifer N (DNR); Wenz, Zach (DNR); Judd, Matthew P -FS (mjudd@██████████)  
**Cc:** Jay Vanlandingham (JVanlandingham@██████████); Sayre, Aleava  
**Subject:** TMM - Bulk Sample Project

All: In connection with Twin Metals Minnesota's bulk sample project, we are in receipt of the letters (including questions and comments) from MDNR and BLM regarding the Golder technical memorandum proposing evaluation of the historic INCO rock stockpile at the INCO shaft site. I understand from Joe Henderson that the above agency addressees to this email represent the working group that has been tasked with addressing the proposed evaluation.

We would like to set up a conference call with the agency working group on the afternoon of Tuesday, August 6, to respond to the questions and comments we have received from MDNR and BLM. We have scheduling flexibility, but to start the discussion, we suggest that the call be scheduled from 1:00-2:30 pm cdt.

Our objective is to get into the field, as soon as possible, to obtain the planned grab samples and to secure the necessary test results to address agency questions that have been raised with respect to management of the stockpile in connection with the bulk sample project.

Please let me know if you are available for this call on August 6. Thank you. Greg Fontaine



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**Gregory A. Fontaine** *Shareholder*

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**Johnson, Bill H (DNR)**

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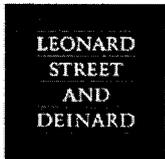
**From:** Fontaine, Gregory <Gregory.Fontaine [REDACTED]>  
**Sent:** Monday, August 12, 2013 10:36 PM  
**To:** tbodus@blm.gov; Henderson, Joe (MPCA); Judd, Matthew P -FS (mjudd@[REDACTED])  
Engstrom, Jennifer N (DNR); Doperalski, Melissa (DNR)  
**Cc:** jlyon@blm.gov; Therrell [REDACTED]; dgettinger [REDACTED] Dan Colton (dcolton@[REDACTED])  
[REDACTED]; CRoss [REDACTED] Sayre, Aleava; Jay Vanlandingham  
(JVanlandingham@[REDACTED])  
**Subject:** TMM - Grab Sample Collection  
**Attachments:** 081213cr\_TMM \_Draft Historical Materials Characterization Scope (Rev 3).pdf

All: On behalf of Twin Metals Minnesota (TMM), and further to the conference call last week among BLM, MDNR, USFS, and TMM, enclosed is the revised work plan for the proposed grab sample at the INCO rock stockpile on Federal Lease 1352. The work plan is intended to address all of the questions and comments of the agencies in the August 6 conference call and their preceding correspondence with respect to the proposed sampling.

As requested by Dr. Bodus, we are providing copies of the work plan to MDNR and USFS, as well as BLM.

TMM hopes to be able to proceed with the sampling activities at the INCO shaft site later this week. We look forward to receiving BLM's authorization to proceed and any further comments from the agencies. If you have any questions, please call me. Thank you.

Greg Fontaine



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**Gregory A. Fontaine** *Shareholder*

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**Assistant:** Judith A. Lutgen | [REDACTED] | judy.lutgen@[REDACTED]

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## Johnson, Bill H (DNR)

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**From:** Fontaine, Gregory <Gregory.Fontaine [REDACTED]>  
**Sent:** Wednesday, August 21, 2013 11:42 AM  
**To:** Kunz, Michael (DNR)  
**Cc:** Henderson, Joe (MPCA); Doperalski, Melissa (DNR); Sayre, Aleava; tbodus@blm.gov  
**Subject:** RE: MN DNR comments of Ver 3 of TMM Historical Materials Characterization Sampling Program

Mike, further to our conversation this morning, I am confirming that the email below that you forwarded yesterday represents DNR's approval for TMM to proceed with the grab sampling program set out in the revised work plan provided by Golder on behalf of TMM on August 12th. Of course, such DNR approval remains subject to BLM providing the required federal approval to allow TMM to access the INCO shaft site for the grab sample.

Regarding DNR's comments in paragraphs 1-4 of your email, you and I discussed the following (with each numbered paragraph below corresponding to the numbering in your email):

1. TMM is willing to provide DNR with copies of the referenced Car and Bernard reports. However, as you recognized, BLM (in the call of August 6th among TMM and the federal and state agency representatives) objected to TMM releasing to other agencies any documents that the company had received from the BLM files. I understand the basis of the BLM objection is its concern about BLM's confidentiality obligations under federal law. Accordingly, you agreed that you or Melissa Doperalski will send call Theresa Bodus of BLM (or send her an additional email) to determine whether BLM consents to TMM providing DNR with copies of the Car and Bernard reports.
2. I will confirm with Cheryl Ross of Golder that the quotation from the Car report included in the work plan is accurate. You and I further agreed that the purpose of the grab samples is to establish actual facts on the ground since the historic information available is not necessarily complete.
3. We will ask Golder to provide a copy of the box plot or histogram you requested, or other similar information that may be available, to provide the clarification you have requested.
4. TMM is willing to add the 5 additional samples that DNR has requested and to be flexible regarding the possible addition of other samples based on field observations as DNR suggests in your email, but TMM would not want such additions to further delay the BLM approval process. As you acknowledged in our call, moreover, BLM expressed concern in the August 6th call about such potential additions, especially language about potential field observation-based additions. You agreed that you or Melissa Doperalski will call Theresa Bodus (or send her an additional email) to seek BLM's approval of these additions without further delay in the process.

Thank you. Greg Fontaine

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Assistant: Judi Lutgen | [REDACTED] | [judi.lutgen@fontaine.com](mailto:judi.lutgen@fontaine.com)

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**From:** Kunz, Michael (DNR) [mailto:Michael.Kunz [REDACTED]]  
**Sent:** Tuesday, August 20, 2013 2:20 PM  
**To:** Cheryl Ross (CRoss [REDACTED]); Jay Vanlandingham (JVanlandingham [REDACTED]) (JVanlandingham [REDACTED]) -

metals.com); Fontaine, Gregory; Sayre, Aleava; Doperalski, Melissa (DNR); Engstrom, Jennifer N (DNR); Wenz, Zach (DNR); Henderson, Joe (MPCA); tbodus [REDACTED]; Judd, Matthew P -FS ([REDACTED])

**Subject:** MN DNR comments of Ver 3 of TMM Historical Materials Characterization Sampling Program

Hi Cheryl –

Below are a few comments/follow ups from the MNDNR review of the Ver. 3 of TMM Historical Materials Characterization Sampling Program:

*August 20, 2013 - MN DNR Comments on Version 3 (August 12, 2013) of the Historical Materials Characterization Sampling Program for the TMM Bulk Sampling Site.*

- 1. Section 1.0: Please submit copies of the Car (1992) and Bernard (1968) references. Statements such as that found on page 4, last sentence in top paragraph, will not suffice to exclude information found in historical reports if it has bearing on the sampling plan and the attempts to understand what material was placed where. Without being able to read the information in the historical reports, LAM will not agree to statements like that on page 4.*
- 2. Section 1.0, page 2 includes a quote from Car (1992) which indicates the INCO bulk sample was collected from the shaft and the stockpiled material was from the drift. This is opposite of our understanding that the stockpile was from the shaft and the bulk sample was collected from the drift. Please explain.*
- 3. Section 3.2.2 Field X-Ray Fluorescence Survey, Page 10: The statistic threshold determination is not clear 9 (top paragraph). First, what does the "99% coverage" refer to? Second, it is not clear from Figures 4 and 6 that the 90% upper tolerance level reflects the data. Provide a box plot or histogram of the sulfur data at each Cu concentration (200, 400, 600, and 800 ppm).*
- 4. Section 3.2.2 Field X-Ray Fluorescence Survey, Page 9: The XRF sampling grid layout presented in Figure 9: Please include additional samples to be collected along the north end of the Site (where the well pads will be placed) as it is an area identified as INCO Rock Stockpile and will be disturbed for the well pads, etc. By adding 4 more across the top (north end) and 1 along the east end of the current top row (for total of 5 additional samples), there is complete grid coverage of the Estimated INCO Rock Stockpile Area being disturbed. Additionally, LAM had asked if TMM will consider collecting additional XRF samples, should an area show elevated levels from the initial XRF screening results. The benefit of using the XRF is the ability to get quick additional screening level results for characterizing a site.*

If you have any question on this or any of the review, please let us know. Again, Zach is planning to be at the site during the sampling program and please keep him in the loop for scheduling purposes as you hear back from BLM and USFS on finalizing the schedule.

Regards,

Mike

Michael R. Kunz, PG, CHMM

Principal Planner

DNR – Land and Minerals

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michael.kunz@[REDACTED]

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**Johnson, Bill H (DNR)**

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**From:** Fontaine, Gregory <Gregory.Fontaine [REDACTED]>  
**Sent:** Thursday, August 22, 2013 4:26 PM  
**To:** Bodus, Theresa  
**Cc:** Kunz, Michael (DNR); Henderson, Joe (MPCA); Doperalski, Melissa (DNR); Sayre, Aleava  
**Subject:** Re: MN DNR comments of Ver 3 of TMM Historical Materials Characterization Sampling Program

We will provide the reports as requested. Thanks. Greg Fontaine

Sent from my iPhone

On Aug 22, 2013, at 10:27 AM, "Bodus, Theresa" <tbodus [REDACTED]@mailto:tbodus [REDACTED]> wrote:

Greg,

Please provide the Car 1992 and Bernard 1968 references and documents to the Forest, State and BLM. We have spent the past day going through the records in Rolla and no such reports exist here.

Please provide these reports to all parties of interest so that we may review them.

Thank you for your help in this matter.

Theresa Bodus

On Wed, Aug 21, 2013 at 11:42 AM, Fontaine, Gregory

<Gregory.Fontaine@leonard.com<mailto:Gregory.Fontaine@leonard.com>> wrote:

Mike, further to our conversation this morning, I am confirming that the email below that you forwarded yesterday represents DNR's approval for TMM to proceed with the grab sampling program set out in the revised work plan provided by Golder on behalf of TMM on August 12th. Of course, such DNR approval remains subject to BLM providing the required federal approval to allow TMM to access the INCO shaft site for the grab sample.

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[greg.fontaine@\[REDACTED\]](mailto:greg.fontaine@[REDACTED])<<http://www.leonard.com/vcard.php?url=http://www.leonard.com/bio/Gregory-Fontaine>>  
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Assistant: Judi Lutgen | [REDACTED] | [judi.lutgen@\[REDACTED\]](mailto:judi.lutgen@[REDACTED]) | [mailto:judi.lutgen@\[REDACTED\]](mailto:judi.lutgen@[REDACTED])

From: Kunz, Michael (DNR) [[mailto:Michael.Kunz@\[REDACTED\]](mailto:Michael.Kunz@[REDACTED]) <[mailto:Michael.Kunz@\[REDACTED\]](mailto:Michael.Kunz@[REDACTED])>]  
Sent: Tuesday, August 20, 2013 2:20 PM  
To: Cheryl Ross (CRoss [REDACTED] <[mailto:CRoss@\[REDACTED\]](mailto:CRoss@[REDACTED])>); Jay Vanlandingham (JVanlandingham@[REDACTED] <[mailto:JVanlandingham@\[REDACTED\]](mailto:JVanlandingham@[REDACTED])>) (JVanlandingham@[REDACTED] <[mailto:JVanlandingham@\[REDACTED\]](mailto:JVanlandingham@[REDACTED])>); Fontaine, Gregory; Sayre, Aleava; Doperalski, Melissa (DNR); Engstrom, Jennifer N (DNR); Wenz, Zach (DNR); Henderson, Joe (MPCA); tbodus [REDACTED] <[mailto:tbodus@\[REDACTED\]](mailto:tbodus@[REDACTED])>; Judd, Matthew P -FS (mjudd [REDACTED] <[mailto:mjudd@\[REDACTED\]](mailto:mjudd@[REDACTED])>)  
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Principal Planner  
DNR – Land and Minerals

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michael.kunz@██████████ <mailto:michael.kunz@██████████>

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Theresa M. Bodus

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