

## **\*DNR, Inspection (DNR)**

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**From:** Lewis, Kathy A (DNR)  
**Sent:** Friday, December 05, 2014 3:51 PM  
**To:** Buttleman, Cindy G (DNR); Clevenstine, Peter T (DNR); Dahl, Dave (DNR); Damon, Susan (DNR); Engstrom, Jennifer N (DNR); Hanson, Kevin (DNR); Henderson, Joseph (DNR); Hobart, Bob J (DNR); Johnson, Gloria J (DNR); Lagerquist, Ben (DNR); Martin, Dennis P (DNR); Nathan, Cindy L (DNR); Richards, Jess (DNR); Rokala, Joe A (DNR); Sellner, Jim M (DNR); Sellner, Vicki (DNR); Zieman, Trina (DNR)  
**Subject:** Tamarack mineral deposit - new public information on a significant addition to the mineral deposit

Another chapter in the story: Dennis advises that the drill hole is in the SE1/4-SW1/4 of Sec. 3, Township 48, Range 22. The surface is consolidated conservation lands. Our mineral ownership title work a few years back found that the minerals had been severed from the surface interest and the mineral owner had not complied with the law. LAM brought a severed mineral interest forfeiture action and the minerals absolutely forfeited to the state in trust for the taxing districts by court order in 2008. The minerals are under state lease to Kennecott, and any mineral revenue on the minerals from this forty would go to the local taxing districts – county, city/township, and school district.

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**From:** Martin, Dennis P (DNR)  
**Sent:** Friday, December 05, 2014 3:40 PM  
**To:** Lewis, Kathy A (DNR)  
**Subject:** FW: Your tour to the Tamarack mineral deposit - new public information on a significant addition to the mineral deposit

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**From:** Martin, Dennis P (DNR)  
**Sent:** Friday, December 05, 2014 8:57 AM  
**To:** Schad, Dave R (DNR); Naramore, Barb (DNR); Landwehr, Tom (DNR); Dowling-Hanson, Lori (DNR)  
**Cc:** Richards, Jess (DNR); Clevenstine, Peter T (DNR)  
**Subject:** Your tour to the Tamarack mineral deposit - new public information on a significant addition to the mineral deposit

Hello,  
Thought you would be interested in the “rest of the story”.

The day we visited Kennecott’s office (Oct. 29) we had the opportunity to see a new discovery in progress when we saw the new drill core that had ~7 % nickel.

A few days ago, the joint venture partner did a press release to tell the world about that discovery. It also provides perspective about the location of the drill core we looked at, which turns out to be an important addition to the previously known small mineral deposit (see the link below). The explorers have a plan to drill 20 to 40 core holes this winter.

<http://www.talonmetals.com/resources/Talon-Metals-Press-Release-Dec.pdf>

Let me know if you have any questions.- Dennis

Dennis Martin, P. G.  
Manager, Mineral Potential Section  
Lands and Minerals Division, MN Dept of Natural Resources  
500 Lafayette Road, Box 45, St. Paul, MN 55155-4045  
Phone [REDACTED]  
Fax 651.296.5939  
Dennis.Martin@[REDACTED]

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Phone [REDACTED]  
Fax 651.296.5939  
Dennis.Martin [REDACTED]

**\*DNR, Inspection (DNR)**

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**From:** Kunz, Michael (DNR)  
**Sent:** Friday, December 19, 2014 10:10 AM  
**To:** Anne Williamson; Wenz, Zach (DNR); Olson, Michael (DNR); Berndt, Mike (DNR); Henderson, Joseph (DNR); Engstrom, Jennifer N (DNR)  
**Cc:** Cheryl Ross; Charles Knilans; Glenn Barr; Rens Verberg  
**Subject:** Twin Metals Minnesota Project - Follow up comments on submittals for Jan 9\_2015 Meeting  
**Attachments:** TMM\_MC\_5 submittals\_Ver 1\_LAM cmts.xlsx

Hi Anne –

As previously discussed, please see the attached table with some initial comments on the items submitted for the January 9<sup>th</sup> meeting.

The comments can be found on the Particle Size, Phase I Results, and Kinetic Sample Selection tabs of the table. If you have any questions ahead of the meeting, please let us know.

Thanks and have a great holiday season!

Regards,

Mike

Michael R. Kunz, PG, CHMM  
Principal Planner  
DNR – Land and Minerals  
[REDACTED]  
[michael.kunz](mailto:michael.kunz) [REDACTED]

**Johnson, Bill H (DNR)**

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**From:** Doperalski, Melissa (DNR)  
**Sent:** Thursday, August 22, 2013 7:14 AM  
**To:** 'Fontaine, Gregory'  
**Cc:** Henderson, Joe (MPCA); Sayre, Aleava  
**Subject:** RE: Status

Good morning Greg,

I shifted my focus to the other task regarding the State process we had discussed as I felt that was more of a priority at this time. I have a response for you that I will be sending out later this morning.

-Melissa

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**From:** Fontaine, Gregory [<mailto:Gregory.Fontaine>]  
**Sent:** Thursday, August 22, 2013 7:02 AM  
**To:** Doperalski, Melissa (DNR)  
**Cc:** Henderson, Joe (MPCA); Sayre, Aleava  
**Subject:** Status

Melissa, my understanding from the phone call this last Tuesday (August 20) among you, Aleava Sayre and me was that you anticipated sending the planning/scheduling letter (first discussed in our call of August 7) for TMM's bulk sample project by the end of the day on Tuesday. We have not received the letter, so I would like to suggest that two meetings be arranged for next week between DNR and TMM staff: one with Jennifer Engstrom, Mike Kunz and others as necessary from DNR to discuss the agency's reclamation questions/comments, including the status of the grab sample; and the second with Mike Liljegren and others as necessary to discuss the hydrogeology comments/questions.

We discussed these two meetings in our calls of August 20 and previous dates. Could you please let me know what times will work for DNR staff?

In referencing the specific names of Ms. Engstrom and Messrs. Kunz and Liljegren, TMM of course is not suggesting who should attend the meeting for DNR. These are my understanding of the primary DNR staff people based on my calls with you. My understanding also is that you will attend the meetings to help make sure that all environmental review issues are addressed to DNR's satisfaction.

Finally, as discussed in our call on Tuesday, we will schedule the meeting directly with MPCA concerning the air issues. My understanding is that you will not attend that meeting.

Thank you. Greg Fontaine

**Gregory A. Fontaine** Shareholder | Direct: [REDACTED] | Mobile: [REDACTED]  
vCard | [greg.fontaine](mailto:greg.fontaine)  
**Leonard, Street and Deinard** Professional Association  
150 South Fifth Street Suite 2300, Minneapolis, MN 55402 | [REDACTED]  
Assistant: Judi Lutgen | [REDACTED] | [judi.lutgen](mailto:judi.lutgen)

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**Johnson, Bill H (DNR)**

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**From:** Jennifer Saran <jsaran [REDACTED]>  
**Sent:** Friday, January 16, 2015 9:29 AM  
**To:** Fay, Lisa (DNR); Kevin Pylka  
**Cc:** Johnson, Bill H (DNR); Woldeab, Irina (DNR); Ross Vellacott; Erik Carlson <Erik.Carlson [REDACTED]> (Erik.Carlson [REDACTED]); Jimenez, Michael -FS (mjimenez [REDACTED])  
**Subject:** RE: NMet Land Exchange acres - clarification requested

Hi Lisa,

It appears that the discrepancy in some of the acreages are due to mixing GLO and GIS. We are able to verify GIS numbers; however, we received all the GLO numbers from Heather Heater (who received them from the Forest Service).

We looked back through the previous versions of the Project Description, and found the following discrepancies:  
v8, v7, v6, v5 –used an incorrect combination of GLO and GIS acreages  
v4, v3, v2 – used only the GLO acreages

The table below provides the comparison of GIS and GLO acreages.

Table Comparing Acreages for the NorthMet Federal and Non Federal Parcels

Lands	GIS	GLO
Hay Lake	4926	4651.5
Lake County	382	319.5
Hunting Club	160	160
McFarland Lake	31	32.1
Wolf Lands	1576	1559.4
Total Non-federal lands	7075	6722.5
<hr/>		
Federal Lands – Mine Site only	2719	2838
Federal Lands – adjacent to the Mine Site	3776	3783
Total Federal Lands	6495	6650

Please let me know if you have additional questions.

Thanks,  
Jennifer

**From:** Fay, Lisa (DNR) [mailto:lisa.fay [REDACTED]]  
**Sent:** Thursday, January 15, 2015 5:00 PM  
**To:** Jennifer Saran; Kevin Pylka  
**Cc:** Johnson, Bill H (DNR); Woldeab, Irina (DNR); Ross Vellacott; Erik Carlson <Erik.Carlson [REDACTED]> (Erik.Carlson [REDACTED]); Jimenez, Michael -FS (mjimenez [REDACTED])  
**Subject:** FW: NMet Land Exchange acres - clarification requested

Hello Jennifer and Kevin.

We have a request for clarification on some Land Exchange acreage numbers. It appears there may be a discrepancy in some of the numbers presented in the Project Description v8. Please see the message from ERM below.

In order to keep things moving with FEIS preparation, we're requesting clarification on this item as soon as possible, ahead of responses to other comments we'll be submitting soon on Project Description v8.

If you have any questions about this request, please contact Erik Carlson directly [REDACTED].

Thank you in advance for your assistance with this.  
Lisa

Lisa Fay, EIS Project Manager  
Environmental Review Unit  
DNR Division of Ecological and Water Resources  
500 Lafayette Road, Box 25  
St. Paul, MN 55155  
651-259-5110  
[lisa.fay](mailto:lisa.fay) [REDACTED]

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**From:** Erik Carlson [<mailto:Erik.Carlson>] [REDACTED]  
**Sent:** Wednesday, January 14, 2015 11:43 AM  
**To:** Fay, Lisa (DNR)  
**Subject:** NMet Land Exchange acres

Hi Lisa,

I believe Kevin Pylka can answer this. All acres reported below are in Project Description Version 8, section 3.1. The acres are reported as General Land Office (GLO) acres. The numbers do not add up. We suspect that the "Mine Site" and "Buffer to Mine Site" numbers are actually GIS calculated acres not GLO acres. If this is the case, I would like to request the corrected GLO acres for Mine Site and Buffer to Mine Site.

Thanks much, Erik

**Project Description Version 8, Section 3.1**

Total Federal land	<b>6650.2</b>	"The federal land consists of a single contiguous tract of mostly forested land, approximately 6,650.2 acres (GLO) in size, located in the west/central part of the Superior National Forest (Forest) on the Laurentian Ranger District (Large Figure 3)
Mine Site	2719.0	"PolyMet proposes to use the federal lands that would be acquired in this land exc as follows: approximately 2,719 acres (GLO) of the land would be used as the site c mine portion of the Project; while the remaining federal property conveyed (approximately 3,776 acres (GLO), about 58%) would be utilized as buffer lands to t
Buffer to Mine Site	<u>3776.0</u>	Project."
Total	<b>6495.0</b>	
Discrepancy	<b>155.2</b>	

Erik Carlson  
Senior Project Manager

ERM  
190 East 5<sup>th</sup> Street, Suite 255  
St. Paul, MN 55101

Tel: ( [REDACTED] ) (direct line)

Mobile: [REDACTED]

[www.erm.com](http://www.erm.com)

[erik.carlson \[REDACTED\]](mailto:erik.carlson@[REDACTED])

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Please visit ERM's web site: <http://www.erm.com>

**Johnson, Bill H (DNR)**

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**From:** Jennifer Saran <jsaran@polymetmin.com>  
**Sent:** Wednesday, October 29, 2014 3:37 PM  
**To:** Fay, Lisa (DNR); Johnson, Bill H (DNR); Comardicea, Irina (DNR)  
**Cc:** Brad Moore; PolyMet Environmental  
**Subject:** Plant Site Project Area boundary update  
**Attachments:** NorthMet Plant Site Project Area Change Memo OCT2014.pdf

Good afternoon,

Attached please find a 1-page memo to the co-lead agencies regarding a minor adjustment to the boundary of the tailings basin/plant site, to include an additional 1.5 acres in three different areas. Please distribute to the other co-lead agencies' representatives.

Also, the updated shape file with these changes has been sent under separate cover to ERM (emailed to Matt Teichert and Ross Vellacott 10/28/14).

Please let me know if you have any questions – thanks!

Jennifer



**Jennifer Saran**

**Director of Environmental Permitting and Compliance**

Mobile: [REDACTED] | Office: [REDACTED] | Fax: 651-389-4101

[jsaran@polymetmin.com](mailto:jsaran@polymetmin.com) | [www.polymetmin.com](http://www.polymetmin.com)

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