

# Manitoba



# Memorandum

**DATE:** March 4, 2013

**TO:** Jennifer Winsor  
Environmental Approvals  
Manitoba Conservation and Water  
Stewardship  
1218 – 123 Main Street  
Winnipeg MB R3C 1A5

**FROM:** James Duncan  
Director  
Wildlife Branch  
Manitoba Conservation and Water  
Stewardship  
Box 24, 200 Saulteaux Crescent  
Winnipeg MB R3J 3W3

**PHONE NO.:** 945-7465

**SUBJECT:** Hudson Bay Mining and Smelting Co. Limited - Reed Mine (File #5621.00)

Wildlife Branch has reviewed Environmental Impact Statement for the “Hudson Bay Mining and Smelting Co. Limited - Reed Mine” (File #5621). In the context of woodland caribou habitat use in north-western Manitoba and other wildlife concerns, the Wildlife Branch has considered the contents of this report and formed the following specific comments:

Wildlife Branch is concerned about the lack of fundamental wildlife information in this environmental assessment. Specific wildlife information concerns include:

- Chapter 4: Environmental Setting – Terrestrial Environment – A wildlife inventory study was not conducted as part of this assessment. Although, the project footprint is small, and is largely confined to a previously disturbed site, the absence of effort to collect wildlife information creates challenges in evaluating a project in this region. This is a gap in the environmental assessment.
- Chapter 5: Environmental Effects Assessment and Mitigation Measures – A very limited description of wildlife effects and mitigation measures was included in this assessment. The limited information that was provided was specific to the Virginia rail, monarch butterfly, and woodland caribou. This is a narrow review on effects to wildlife, and overlooks many of the valuable environmental species that are important in this region. The absence of wildlife effects information creates challenges in evaluating this project.
- Chapter 5: Environmental Effects Assessment and Mitigation Measures – Wildlife Branch would like assurances that construction workers and employees are not permitted to hunt or shoot wildlife at or around the project site.

The environmental impact statement submitted for this project provides only minimal information regarding woodland caribou and their habitat use. For this reason, Wildlife Branch feels it is important include the following information, analysis, and comments on woodland caribou, into public record on this proposal:

- Woodland caribou are listed as a “threatened” species under the provincial *Endangered Species Act*, and are known to utilize habitat within the project region and project area. The project study area overlaps the range of Reed caribou population that is considered a “medium” conservation concern. These caribou have been documented calving on the

islands of Reed Lake as far back as the mid 1970's. In addition, this population utilizes a significant portion of Grass River Provincial Park as well as areas beyond the park boundary. This population has been studied extensively since the 1970s and currently Conservation and Water Stewardship, with financial support from the proponent, are leading a project to monitor these animals through telemetry collars.

- With respect to caribou use of the project study region and study area, aerial reconnaissance and telemetry monitoring indicate caribou use of the project area is minimal and represents movements north/south across PTH 39. This movement generally occurs in an area west of the proposed mine site within the project region. This movement activity typically occurs quite rapidly as caribou seldom linger in proximity (1-3 kms.) to PTH 39. This avoidance of habitat close to roads has existed for many years. This suggests the proposed mining project, due to its immediate adjacency to the highway, is not anticipated to add significantly to loss of functional habitat to caribou.
- Critical habitat for caribou populations are represented by areas of high use connected by habitat pathways. This project area and region is neither a high use area nor a habitat pathway. While some animals do move through the general area, pre-existing disturbances including PTH 39, a float plane base at Reed Lake and extensive camping and boating activity spanning many decades has not caused any observed avoidance of caribou use of the islands or any measurable impact to caribou occupancy in the vicinity. The proponent should use the maps of the Reed Lake caribou range as well as maps of areas of high density use and travel corridors, provided by the Northwest Region Woodland Caribou Research and Monitoring Committee, as supplementary information to the Environmental Act Proposal Report to illustrate spatial use by caribou in relation to the project area.
- Based on the report, noise disturbance will be minimal beyond the project area and, will dissipate to ambient levels outside of this area. Given the existing noise levels of traffic highway the additive effect of this disturbance will be minimal.
- While possible effects on caribou from the project are considered minor, ongoing monitoring of caribou in the vicinity to the development should continue to verify continuance of normal use patterns and enable adaptive management. The proponent is expected to work with The Northwest Region Woodland Caribou Research and Monitoring Committee and Conservation and Water Stewardship staff to develop, fund, and implement an ongoing environmental monitoring plan. Components shall include ongoing monitoring of islands to ensure continued use, supplemental collaring of caribou, recruitment surveys, winter highway track counts, on site record keeping of caribou observations (tracks and animals), interpretive signing outlining forms of mitigation employed by the proponent to avoid disturbance.

Please contact Jonathan Wiens, Habitat and Mitigation Specialist at (204) 945-7764 if you have any further questions.

Thank you.



---

James Duncan

## Winsor, Jennifer (CON)

---

**From:** Kaita, Adara (CON) on behalf of +WPG1212 - Conservation\_Circulars (CON)  
**Sent:** March-01-13 9:15 AM  
**To:** Winsor, Jennifer (CON)  
**Cc:** Armstrong, Mike (CON)  
**Subject:** EA Proposal - Hud Bay Mining and Smelting - Reed Mine - File: 5621.00

Hi Jennifer,

Sorry for the late response. The Sustainable Resource and Policy Management Branch supports the comments of the Parks and Natural Areas Branch. The Lands Branch provides the attached comments and the response includes comments from the Northwest Region's Integrated Resource Management Team (IRMT). The IRMT response includes comments from regional Operations, Parks, Fisheries and Wildlife, with Parks being the lead on the draft comments.



**Reed Lake**  
Environment Act Pro

Thank you,

**Adara Kaita**  
Crown Land Programs and Policy Manager  
Conservation and Water Stewardship  
Box 25, 200 Saulteaux Crescent  
Winnipeg, MB R3J 3W3  
Cell: (204) 945-6301  
F: (204) 948-2197

**Conservation and Water Stewardship – Lands Branch - Reed Lake Mine Environment Act Proposal**

- Woodland caribou are listed as a “threatened” species under the provincial *Endangered Species Act*, and are known to utilize habitat within the project region and project area. The project study area overlaps the range of The Naosap-Reed caribou population. These caribou have been documented calving on the islands of Reed Lake as far back as the mid 1970’s. In addition, this population utilizes a significant portion of Grass River Provincial Park as well as areas beyond the park boundary. This population has been studied extensively since the 1970s and currently Conservation and Water Stewardship are leading a project to monitor these animals using telemetry collars.
- With respect to caribou use of the project study region and study area, aerial reconnaissance and telemetry monitoring indicate caribou use of the project area is minimal and represents movements north/south across PTH 39. This movement generally occurs in an area west of the mine site within the project region. This movement occurs quite rapidly as caribou seldom linger in proximity (1-3 kms) to PTH 39. This avoidance of habitat close to roads has existed for many years. This suggests the Reed Lake Mine, due to its immediate adjacency to the highway, is not anticipated to add significantly to loss of functional habitat to caribou.
- Critical habitat for caribou populations are represented by areas of high use connected by habitat pathways. This project area and region is neither a high use area nor a habitat pathway. While some animals do move through the general area, pre-existing disturbances including PTH 39, a float plane base at Reed Lake and extensive camping and boating activity spanning many decades has not caused any observed avoidance of caribou use of the islands or any measurable impact to caribou occupancy in the vicinity.
- Based on the report, noise disturbance will be minimal beyond the project area and, will dissipate to ambient levels outside of this area. Given the existing noise levels of traffic highway the additive effect of this disturbance will be minimal.

## Recommendations

- While possible effects on caribou from the project are considered minor, ongoing monitoring of caribou in the vicinity to the development of the mine is required. It is recommended that the proponent work with The Northwest Region Woodland Caribou Research and Monitoring Committee and Conservation and Water Stewardship staff to develop and implement an ongoing monitoring plan. The plan may include, but is not limited to ongoing monitoring of islands to ensure continued use, supplemental collaring of caribou, recruitment surveys, winter highway track counts, on site record keeping of caribou observations (tracks and animals), and interpretive signing outlining forms of mitigation employed by the proponent to avoid disturbance.
- It is required that the proponent provide maps of the Reed Lake caribou range as well as maps of areas of high density use and travel corridors as attachment to the Environmental Act Proposal Report to illustrate spatial use by caribou in relation to the project area.
- Fisheries Branch has reviewed this proposal to operate Reed Mine on the site of the existing Advanced Exploration Project (AEP) primarily by converting the use of the Reed AEP facilities from exploration to production purposes. All ore will be hauled to the Flin Flon Metallurgical Complex for processing. There will be no crushing or any other kind of processing of ore on site. Wastewater generated during the production phase of the Reed Mine will include process water and groundwater seepage from underground operations. This wastewater will be pumped to the existing 2000 m<sup>2</sup> polishing pond (lined with geotextile liner). The applicants indicate that water will not be discharged from the polishing pond until it meets the Tier 1 criteria set out in the Manitoba Water Quality Standards, Objectives and Guidelines. The polishing pond discharges to an adjacent marsh located to the south of the site which eventually drains into Unnamed Lake 3. Unnamed Lake 3 has no clearly defined inflow or outflow direct. It appears from the map provided that the wetland may connect to Whitehorse Creek. Unnamed Lake 3 was sampled and brook stickleback and fathead minnows were present. Whitehorse Creek which drains into the Grass River had burbot, northern pike (juvenile and adult), iowa darter, pearl dace and brook stickleback when sampled.
- Fresh water will be supplied to the Reed Mine during production from two metered groundwater wells drilled at the site. The maximum potential use in any one year is 166 dam<sup>3</sup>.

- Ore will be stockpiled on site prior to transportation to Flin Flon. The ore stock pile site will be lined with geosynthetic liner topped with sand and then limestone. From Figure 8 it appears that the area will be graded so any runoff will accumulate at a low point and be collected by a sump. The waste rock site will consist of a layer of boulders over the original substrate followed by sand and limestone. The waste rock will be placed on this pad in layers with a layer of crushed limestone placed in between two layers to act as a neutralizing agent. The waste rock will be used as mine backfill to reduce the amount of surface storage required and the potential for acid rock drainage. HBMS indicates they will monitor the stockpile for any signs of potential ARD and soil quality around the waste rock pad will be monitored.

### **Recommendation**

- From the information provided in the EAP it would appear, as long as the discharge water meets the Manitoba Water Quality Standards, Objectives and Guidelines, that there should be minimal fisheries concerns. In Figure 8, the illustration shows a collection area but there was no indication in the EAP as to where the accumulated runoff would be directed to and if it would be tested prior to release. It is required that the accumulate runoff location/direction be shown within the EAP and that it be tested by the proponent prior to release. This information to be communicated to Conservation and Water Stewardship.
- HBMS indicates monitoring water quality to ensure compliance with the guidelines. While we defer to our colleagues in Water Science Management on this, given the high "shallow" groundwater table associated with the surrounding wetlands it is required that the EAP include a sampling site within the wetland complex, particularly if it becomes evident that there is difficulty in complying.
- It is required that an ongoing water quality testing/monitoring program be developed and implemented by HBM&S for Reed Lake, Grassy River, and Whitehouse Creek through the duration of the Reed Lake Mine lifespan and up to at least 5 years after the decommissioning of the mine site. The monitoring program shall be developed in conjunction with Conservation and Water Stewardship-NW Region – Water Science and Management Branch and Fisheries Branch
- Any further development or expansion within Lease area #66082, requires approval through the Conservation and Water Stewardship – Northwest Region.

- **Any further development or expansion outside of Lease area #66082, requires an application and approval by Conservation and Water Stewardship – Parks Branch, prior to development.**
- **A work permit is required from Conservation and Water Stewardship – Northwest Region by the proponent working on the lease area, which has the potential to alter or affect the land. Work permits are also required year around under the Wildfires Act for industrial operations in the burning permit area.**

## Winsor, Jennifer (CON)

---

**From:** Elliott, Jessica (CON)  
**Sent:** February-22-13 2:23 PM  
**To:** Winsor, Jennifer (CON)  
**Cc:** Elliott, Jessica (CON)  
**Subject:** RE: Request for TAC Review/Comments - HBM&S Co. Ltd. Reed Mine - File: 5621.00 - Comment deadline: Feb. 19, 2013

Parks and Natural Areas Branch has reviewed the proposal filed pursuant to the Environment Act for the Hudson Bay Mining and Smelting Ltd. Reed Mine proposal (file 5621.00). While the Branch has no concerns with the development of this mine within Grass River Provincial Park, the Branch has the following comments to offer.

The current Parks lease held by Hudson Bay Mining and Smelting Ltd. (HudBay) at the proposed Reed Mine site was issued only to permit their advanced exploration project (AEP). Upon issuance of an Environment Act licence HudBay will be required to obtain a new Parks lease.

The proposed mine is within the resource management land use category which allows for industrial developments such as mines so long as this development does not compromise other park purposes. The other purposes of Grass River Provincial Park are to:

- Preserve woodland caribou habitat and the high water quality of the Grass River;
- Promote canoeing, camping and fishing opportunities, and permit related facilities and services; and
- Promote public appreciation and education of the cultural and natural history of the Grass River.

The Branch does not feel that these other park purposes are compromised by the development of a mine at this site.

The hauling of ore as a result of mining activities will result in increased traffic on Highway 39 through the park, west to Flin Flon. This increase in traffic is not anticipated to adversely affect park users and as such no further mitigation activities are required by the Branch. Increased heavy truck traffic however, does increase the potential for wildlife being struck on the highway especially at dawn and dusk. In addition to the mitigation measures proposed by HudBay, the Branch requests that HudBay educate their drivers about the potential for conflicts with wildlife and instruct them in ways to reduce conflicts.

As stated in the proposal, the presence of mechanical equipment, fuels and explosives on-site creates a potential for fires and explosions. If a fire does occur and spread into the surrounding forest the nearest district office of Manitoba Conservation and Water Stewardship is to be notified immediately so that support of the Manitoba Fire Program can be given if necessary.

The Branch has reviewed and supports the Reed AEP Closure Plan. The Branch will continue to work with HudBay to update the proposed mine closure plan.

Jessica

**Jessica Elliott, M.E.Des.**

Head, Park System Planning and Ecology

Parks and Natural Areas Branch

Conservation and Water Stewardship

Box 53, 200 Saulteaux Cres

Winnipeg MB R3J 3W3

*phone: 204-945-4365*

*cell: 204-805-4084*



## Memorandum

**Date:** February 22, 2013

**To:** Jennifer Windsor  
Climate Change and Environmental  
Protection Division  
Environmental Approvals Branch  
123 Main Street, Suite 160  
Winnipeg MB R3C 1A5

**From:** Kevin Jacobs  
Water Quality Management Section  
Manitoba Conservation and Water  
Stewardship  
123 Main Street, Suite 160  
Winnipeg MB R3C 1A5

<http://www.gov.mb.ca>

**Subject:** HUDSON BAY MINING AND  
SMELTING CO., LIMITED-  
REED MINE-FILE #5621.00

**Telephone:** 204-945-4304

**Facsimile:** 204-948-2357

**E-Mail:** Kevin.Jacobs@gov.mb.ca

---

On behalf of the Water Quality Management Section of Manitoba Conservation and Water Stewardship I have reviewed the application for the proposed Reed Mine File #5621.00.

The proposed mine is located in Grass River Provincial Park and follows other historic mining in the area such as the Spruce Point Mine. Of principle concern with any mining development is the potential for discharge of wastewater and/or acid or alkaline mine drainage to enter surface water. The proposed mine is approximately 1.5 km south of Reed Lake. Reed Lake is the largest water body within Grass River Provincial Park and is highly valued for its water quality. The upper Grass River Watershed, which includes the Grass River Provincial Park, is designated a High Quality Water (Manitoba Water Stewardship 2011). High quality water include those surface or ground waters in Manitoba that have (1) biological, chemical and physical quality better than the standards, objectives, and guidelines and (2) support a high quality water use.

### **Concerning ore and waste rock storage:**

The proposal notes that storage pads for ore and waste rock will be designed to manage runoff that may be potentially acid generating. Acid generating materials significantly increase potential risk to the aquatic environment.

- Based upon the mineralization of initial drill cores taken from the site can any estimation be made regarding the potential for acid or alkali generation? For example has any acid/base accounting occurred?
  - It is noted the proposed ore storage pad will be lined with an impermeable liner to prevent potential drainage from running off site. We would suggest that the waste rock pad also be lined to prevent runoff of any potential contaminants off site.
  - How will runoff from storage pads of waste rock and ore be managed? For example will it be directed to the polishing pond?
  - What is the capacity of the limestone in the waste rock storage pad to treat potential acid mine drainage?
  - The use of waste rock as backfill should mitigate against long term storage requirements of waste rock. It is noted that rock will be backhauled from Flin Flon to supplement backfill requirements. No waste rock should be backhauled that is determined to be acid generating, or having a chemistry that could adversely affect water quality.
-

### **Concerning management of wastewater:**

- It is noted that all sanitary wastewater will be transported off site for treatment. While this approach seems reasonable, it is not stated in the proposal where wastewater will be transported. The proponent should provide verification that a licensed wastewater treatment facility is willing to accept and has adequate capacity to treat wastewater from this development. It is advised that wastewater be transported and treated outside the watershed to prevent nutrient loading to the Grass River.
- The proposal states that polishing pond contents will be compared with Tier 1 Manitoba Water Quality Standards and appropriate treatment applied if necessary. Some contingency plan should be provided in the event that water quality does not meet expectations. As noted in the Manitoba Water Quality Standards, Objectives and Standards use of best available treatment technologies is required.
- We recommend a license requirement for the polishing pond include having a maximum hydraulic conductivity of  $1 \times 10^{-7}$  cm/s or less.
- The proposed polishing pond will discharge to a marsh areas and the un-named water body identified as Lake 3. While it is noted Lake 3 and Unnamed Lake 1 are both lakes characterised by depressional lows, where there is no clearly defined inflow or outflow, further work may be required to differentiate the potential flow path. It is anticipated flow will eventually occur to Whitehouse Creek, the Grass River, and Reed Lake
- It should be noted that the Tier I Water Quality Standards are the minimum requirements. We recommend a license condition include a clause stating that the Licencee shall not release any effluent from a final discharge point if the effluent quality is acutely toxic or resulting in, or is likely to directly or cumulatively result in, a downstream degradation of the water quality within Whitehorse Creek, the Grass River, and Reed Lake, relative to the Manitoba Water Quality Standards, Objectives, and Guidelines developed by Manitoba Conservation and Water Stewardship.

### **Concerning Water Quality Monitoring:**

- The proposal states "To ensure that there will be no adverse impact to surface water as a result of mining activities, it is recommended that a water quality monitoring program be developed and implemented for the polishing pond and any other potential source of surface water discharge". We concur with this statement. No details on a proposed monitoring program are provided. We recommend a water quality program be developed and submitted by the proponent for approval by the Department.
  - Such a program should include but not be limited to characterization of potential flow path from polishing pond discharge. Polishing pond water quality monitoring should include at a minimum collection and analysis of water quality samples from near the surface and near the bottom.
  - Additional water quality monitoring of Lake 3, Whitehorse Creek and Un-named Creek 2 is recommended.
  - Analysis should include a complete scan of total and dissolved metals and metalloids, and general chemistry including pH, conductivity, ammonia, nitrates, total dissolved nitrogen,
-

Total Kjeldahl Nitrogen, total phosphorus, total dissolved and suspended solids, sulphate, dissolved oxygen, turbidity and hardness. Detection limits should be commensurate with comparison to Tier III Water Quality Guidelines.

- Should the facility be triggered under the Federal Metal Mining Effluent Regulations some harmonization of monitoring requirements could likely occur.

Should you have any questions, please do not hesitate to contact me at the above telephone number.

Kevin Jacobs  
Water Quality Management Section

---

## **Winsor, Jennifer (CON)**

---

**From:** Janusz, Lauren R (MWS)  
**Sent:** February-20-13 6:58 PM  
**To:** Winsor, Jennifer (CON)  
**Cc:** Klitch, Ian (MWS); Long, Jeff (MWS)  
**Subject:** EAP 5621.00 HBM&S Co. Ltd. Reed Mine FB response due Feb. 19 2013

Hi Jennifer,

Fisheries Branch has reviewed this proposal to operate Reed Mine on the site of the existing Advanced Exploration Project (AEP) primarily by converting the use of the Reed AEP facilities from exploration to production purposes. All ore will be hauled to the Flin Flon Metallurgical Complex for processing. There will be no crushing or any other kind of processing of ore on site. Wastewater generated during the production phase of the Reed Mine will include process water and groundwater seepage from underground operations. This wastewater will be pumped to the existing 2000 m<sup>2</sup> polishing pond (lined with geotextile liner). The applicants indicate that water will not be discharged from the polishing pond until it meets the Tier 1 criteria set out in the Manitoba Water Quality Standards, Objectives and Guidelines. The polishing pond discharges to an adjacent marsh located to the south of the site which eventually drains into Unnamed Lake 3. Unnamed Lake 3 has no clearly defined inflow or outflow direct. It appears from the map provided that the wetland may connect to Whitehorse Creek. Unnamed Lake 3 was sampled and brook stickleback and fathead minnows were present. Whitehorse Creek which drains into the Grass River had burbot, northern pike (juvenile and adult), Iowa darter, pearl dace and brook stickleback when sampled.

Fresh water will be supplied to the Reed Mine during production from two metered groundwater wells drilled at the site. The maximum potential use in any one year is 166 dam<sup>3</sup>.

Ore will be stockpiled on site prior to transportation to Flin Flon. The ore stock pile site will be lined with geosynthetic liner topped with sand and then limestone. From Figure 8 it appears that the area will be graded so any runoff will accumulate at a low point and be collected by a sump. The waste rock site will consist of a layer of boulders over the original substrate followed by sand and limestone. The waste rock will be placed on this pad in layers with a layer of crushed limestone placed in between two layers to act as a neutralizing agent. The waste rock will be used as mine backfill to reduce the amount of surface storage required and the potential for acid rock drainage. HBMS indicates they will monitor the stockpile for any signs of potential ARD and soil quality around the waste rock pad will be monitored.

From the information provided in the EAP it would appear, as long as the discharge water meets the Manitoba Water Quality Standards, Objectives and Guidelines, that there should be minimal fisheries concerns. In Figure 8, the illustration shows a collection area but there was no indication in the proposal as to where the accumulated runoff would be directed to and if it would be tested prior to release. We would appreciate knowing this information. HBMS indicate monitoring water quality to ensure compliance with the guidelines. While we defer to our colleagues in Water Science Management on this, given the high "shallow" groundwater table associated with the surrounding wetlands it might be beneficial to include a sampling site within the wetland complex, particularly if it becomes evident that there is difficulty in complying.

Ian if you have any concerns or additional comments regarding this proposal please email Jennifer directly and cc me.

Laureen Janusz  
Fisheries Science and Fish Culture Section  
Fisheries Branch,  
Manitoba Conservation and Water Stewardship  
Box 20, 200 Saulteaux Crescent  
Winnipeg, MB R3J 3W3

Phone: 204.945.7789  
Cell: 204.793.1154  
Fax: 204.948-2308

## Winsor, Jennifer (CON)

---

**From:** Liske, Cal (IEM)  
**Sent:** February-19-13 1:46 PM  
**To:** Winsor, Jennifer (CON)  
**Cc:** Beaumont-Smith, Chris (IEM)  
**Subject:** RE: Reed Mine EAP

Hi Jennifer,

I have the following request regarding the Reed Mine EAP:

Submit a Closure Plan for the proposed Reed Mine on or before September 30<sup>th</sup>, 2014.

Regards,  
Cal.

**Cal Liske, P. Eng.**  
Chief Mining Engineer  
Mines Branch  
Innovation, Energy, and Mines  
360-1395 Ellice Avenue  
Winnipeg, MB R3G 3P2  
Phone (204) 945-6517  
Cell (204) 619-3604  
Fax (204) 948-2578  
Email: [Cal.Liske@gov.mb.ca](mailto:Cal.Liske@gov.mb.ca)

---

**From:** Winsor, Jennifer (CON)  
**Sent:** February-19-13 1:14 PM  
**To:** Liske, Cal (IEM)  
**Subject:** RE: Reed Mine EAP

Hi Cal,

Yes, today is the deadline for comments.

*Jennifer Winsor, P.Eng.*  
Environmental Engineer  
Environmental Approvals Branch  
Conservation and Water Stewardship  
123 Main St., Ste. 160  
Winnipeg, MB R3C 1A5  
Ph: 204-945-7012  
Fax: 204-945-5229

## Winsor, Jennifer (CON)

---

**From:** Molod, Rommel (CON)  
**Sent:** February-19-13 1:39 PM  
**To:** Winsor, Jennifer (CON)  
**Cc:** Gilbertson, Mike (CON)  
**Subject:** RE: Request for TAC Review/Comments - HBM&S Co. Ltd. Reed Mine - File: 5621.00 - Comment deadline: Feb. 19, 2013

Jennifer,

The Air Quality Section have reviewed the above proposal and have no comment. Potential air quality concerns associated with the project are adequately addressed in the submission.

Thank you for the opportunity to review.

Rommel

---

**From:** Steele, Tania (CON)  
**Sent:** January-31-13 11:09 AM  
**To:** Schindler, Dennis (MAFRI); Kaita, Adara (CON); Labossiere, Don (CON); Molod, Rommel (CON); Streich, Laurle (CON); Duncan, James (CON); Elliott, Jessica (CON); Dojack, John (CON); Gilbertson, Mike (CON); Missyabit, Ron (CON); Gurney, Sharon (MWS); Phipps, Graham (MWS); Janusz, Laureen R (MWS); Stibbard, James (MWS); Matthews, Rob (MWS); Reimer, Geoff P (MWS); +WPG574 - HRB (CHT); Cunningham, Neil (CON); Crone, Jim (IEM); Roberecki, Susan (HEALTH); Roberts, Tracy (HEALTH); +WPG969 - MIT Environmental Services Section (MIT); Armitt, Ernest (IEM); Lowdon, Keith (IEM); Poleschuk, Larry (LAB); Shaler, Samantha (MLG); 'CEAAPrairieProjects@ceaa-acee.gc.ca'; 'EASouthPNR@ec.gc.ca'; Allum, Brad (MIT); Roberts, Wayde (CON); Armstrong, Mike (CON)  
**Cc:** Winsor, Jennifer (CON)  
**Subject:** RE: Request for TAC Review/Comments - HBM&S Co. Ltd. Reed Mine - File: 5621.00 - Comment deadline: Feb. 19, 2013

**\*\*Please note:**

J. Winsor's phone number is incorrect in last email.  
It should be 945-7012

Thank you.

*Tania A. Steele*  
Approvals Clerk

### Conservation & Water Stewardship

Climate Change and Environmental Protection Division  
Environmental Approvals Branch  
160-123 Main Street  
Winnipeg, Manitoba R3C 1A5

204-945-7038  
Fax: 204-945-5229

---

**From:** Winsor, Jennifer (CON)  
**Sent:** January-31-13 10:55 AM

## Winsor, Jennifer (CON)

---

**From:** Stibbard, James (MWS)  
**Sent:** February-15-13 11:53 AM  
**To:** Winsor, Jennifer (CON)  
**Subject:** Re: 5621.00 HBMS Reed Mine EAP

Ms Winsor,

I reviewed the above noted EAP with respect to potential issues respecting drinking water supplies and/or drinking water systems. The EAP noted that no adverse effects upon surface water are anticipated and, while it noted communities, lodges etc. in the project area, it did not specifically state the water sources for them.

Based solely upon this ODW cannot state whether we have any direct concerns with the EAP or proposed development respecting drinking water safety.

The EAP did note that significant amounts of Diesel fuel will be stored on the mine site. As such, ODW would recommend that the emergency response plans for the mine include contact information for drinking water systems downstream of the mine site and a requirement that, if a major spill of fuel or any other substance into the surrounding surface water systems occur, the downstream water users should be notified.

I trust this is satisfactory, but if you have any questions, please call.

Regards,

**James Stibbard P. Eng.**

Approvals Engineer

Office of Drinking Water

1007 Century Street

Winnipeg MB R3H 0W4

phone: (204) 945-5949

fax: (204) 945-1365

email: [James.Stibbard@gov.mb.ca](mailto:James.Stibbard@gov.mb.ca)

website: [www.manitoba.ca/drinkingwater](http://www.manitoba.ca/drinkingwater)

**Confidentiality Notice:** This message, including any attachments, is confidential and may also be privileged and all rights to privilege are expressly claimed and not waived. Any use, dissemination, distribution, copying or disclosure of this message, or any attachments, in whole or in part, by anyone other than the intended recipient, is strictly prohibited.



**Infrastructure and Transportation**

Highway Planning and Design Branch  
Environmental Services Section  
1420 - 215 Garry St., Winnipeg, MB R3C 3P3  
T (204) 619-4359 F (204) 945-0593

February 14, 2013

Tracey Braun, M. Sc.  
Director, Environmental Approvals Branch  
Manitoba Conservation and Water Stewardship  
123 Main St., Suite 160  
Winnipeg, MB R3C 1A5

RE: HBM&S Co. Ltd. Reed Mine  
Client File No 5621.00

Dear Ms. Braun:

MIT has reviewed the application under The Environment Act and we have no concerns with the development as proposed. However, please advise the proponent that the MIT Northern Regional Operations would like to see a separate application for the access on to PTH 39. For inquiries on the access application, please contact:

Mr. Bruce Trampe  
A/Regional Planning Technologist  
[Bruce.Trampe@gov.mb.ca](mailto:Bruce.Trampe@gov.mb.ca), or

Ms. Vanessa Nedd, P. Eng.  
Technical Services Engineer  
[Vanessa.Nedd@gov.mb.ca](mailto:Vanessa.Nedd@gov.mb.ca)

Thank you very much for providing us the opportunity to review the proposal.

Sincerely,

Ryan Coulter, M. Sc., P. Eng.  
Manager of Environmental Services



## Winsor, Jennifer (CON)

---

**From:** Flynn, Heather [CEAA] [Heather.Flynn@ceaa-acee.gc.ca]  
**Sent:** January-28-13 9:15 AM  
**To:** Winsor, Jennifer (CON)  
**Cc:** Farmer, Kristina [CEAA]; EASouthPNR [Wpg]; Hendrickson, Lorna [Wpg]  
**Subject:** 5440 (MC File 5621.00) HBM&S Co. Ltd. - Reed Copper Mine

Good morning,

This email is to confirm receipt of the Environment Act Proposal for the development of the Reed Mine – Hudson Bay Mining & Smelting Co. Ltd. (MC File 5621.00), in Grass River Provincial Park.

As you know, the *Canadian Environmental Assessment Act, 2012* (CEAA 2012) came into force in July 2012, focusing federal attention on those project proposals that have a greater potential for significant adverse environmental effects in areas of federal jurisdiction. The *Regulations Designating Physical Activities* identify the activities which, if carried out individually or in combination, would constitute a “designated project” that is subject to the requirements of CEAA 2012.

Hudson Bay Mining & Smelting Co. Ltd. is responsible for confirming its federal regulatory responsibilities associated with its project. In your response to HBM&S, please advise it to review the noted regulations (<http://laws-lois.justice.gc.ca/eng/regulations/SOR-2012-147/index.html>) and contact the Canadian Environmental Assessment Agency if its proposal includes any activity described.

Thank you for your effort to ensure coordination and close communication between provincial and federal levels of government. If you require any further clarification on the requirements of CEAA 2012, please feel free to contact Kristina Farmer.

Regards,  
Heather

**Heather Flynn, MSc.**

Environmental Assessment Officer, Prairie Region | Agente d'évaluation environnementale, Région des Prairies  
Canadian Environmental Assessment Agency | Agence canadienne d'évaluation environnementale  
Suite 101, 167 Lombard Ave Winnipeg MB R3B 0T6 | 167, avenue Lombard, bureau 101 Winnipeg MB R3B 0T6  
[heather.flynn@ceaa-acee.gc.ca](mailto:heather.flynn@ceaa-acee.gc.ca)  
Telephone | Téléphone 204-984-3233  
Facsimile | Télécopieur 204-983-7174  
Government of Canada | Gouvernement du Canada

## Winsor, Jennifer (CON)

---

**From:** Nicklin, Darren (MWS)  
**Sent:** January-21-13 3:06 PM  
**To:** Reimer, Geoff P (MWS); Winsor, Jennifer (CON)  
**Subject:** RE: Request for TAC Review/Comments - HBM&S Co. Ltd. Reed Mine - File: 5621.00 - Comment deadline: Feb. 19, 2013

No concerns

---

**From:** Reimer, Geoff P (MWS)  
**Sent:** January-18-13 3:38 PM  
**To:** Nicklin, Darren (MWS)  
**Subject:** FW: Request for TAC Review/Comments - HBM&S Co. Ltd. Reed Mine - File: 5621.00 - Comment deadline: Feb. 19, 2013

You are soon to be Mr North!

**Geoff Reimer**  
Conservation and Water Stewardship

---

**From:** Steele, Tania (CON)  
**Sent:** January-18-13 3:32 PM  
**To:** Schindler, Dennis (MAFRI); Kaita, Adara (CON); Labossiere, Don (CON); Molod, Rommel (CON); Strelch, Laurie (CON); Duncan, James (CON); Elliott, Jessica (CON); Dojack, John (CON); Gilbertson, Mike (CON); Missyabit, Ron (CON); Gurney, Sharon (MWS); Phipps, Graham (MWS); Janusz, Laureen R (MWS); Stibbard, James (MWS); Matthews, Rob (MWS); Reimer, Geoff P (MWS); +WPG574 - HRB (CHT); Cunningham, Neil (CON); Crone, Jim (IEM); Roberecki, Susan (HEALTH); Roberts, Tracy (HEALTH); +WPG969 - MIT Environmental Services Section (MIT); Armitt, Ernest (IEM); Lowdon, Keith (IEM); Poleschuk, Larry (LIM); Shaler, Samantha (MLG); 'CEAAPrairieProjects@ceaa-acee.gc.ca'; Stonehouse, Perry (CON); 'EASouthPNR@ec.gc.ca'; Allum, Brad (MIT); Roberts, Wayde (CON); Armstrong, Mike (CON)  
**Cc:** Winsor, Jennifer (CON)  
**Subject:** Request for TAC Review/Comments - HBM&S Co. Ltd. Reed Mine - File: 5621.00 - Comment deadline: Feb. 19, 2013

Your review and comment would be appreciated for the attached Proposal submitted pursuant to *The Environment Act*:

<http://www.gov.mb.ca/conservation/eal/registries/5621reedmine/index.html>

The contact person assigned to co-ordinate review and assessment of the Proposal is:

**Jennifer Winsor**  
**Telephone:** 204-945-7108  
**E-Mail:** [jennifer.winsor@gov.mb.ca](mailto:jennifer.winsor@gov.mb.ca)

Please indicate to the contact person if you are unable to review the proposal. A non-reply will be considered as indicating your department has reviewed the proposal and has no concerns.