



Mackenzie Valley Land and Water Board
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Staff Report

Applicant: New Discovery Mines Ltd.	
Location: Mon Gold Mine – Discovery Lake, NT	Application: MV2013C0021 & MV2014L2-0002
Date Prepared: October 13, 2016	Meeting Date: October 20, 2016
Subject: Spill Contingency Plan, Version 5	

1. Purpose/Report Summary

The purpose of this Staff Report is to present to the Mackenzie Valley Land and Water Board (MVLWB or the Board) New Discovery Mine's (NDM) Spill Contingency Plan Version 5 (Plan V.5) for Board decision, as required under Part H, item 1 of Water Licence (Licence) MV2014L2-0002 and condition 56 of Land Use Permit (Permit) MV2013C0021.

2. Background

- July 3, 2014 – Permit MV2013C0021 and Licence MV2014L2-0002 were issued;
- October 21, 2015 – Permit MV2015C0015 and Licence MV2015L2-0004 were issued;
- August 12, 2016 – Spill Contingency Plan, Version 3 submitted to the Board;
- August 19, 2016 – Spill Contingency Plan, Version 3 distributed for review;
- September 8, 2016 – Reviewer comments due;
- September 15, 2016 – NDM responses due;
- September 17, 2016 – NDM responded to reviewer comments;
- September 19, 2016 – NDM submitted an updated Spill Contingency Plan, Version 4 to address reviewer comments;
- October 5, 2016 – Spill Contingency Plan, Version 4 not approved by the Board;
- October 9, 2016 – Spill Contingency Plan, Version 5 submitted;
- **October 20, 2016 – Spill Contingency Plan, Version 5 presented to the Board for decision;**
- July 2, 2019 – Expiry of Permit MV2013C0021; and
- July 2, 2021 – Expiry of Licence MV2014L2-0002.

3. Discussion

On July 3, 2014, Permit MV2013C0021 and Licence MV2014L2-0002 were issued to NDM. The Board's issuance letter (attached) noted that the Spill Contingency Plan must be revised in accordance with the comments made during the review and resubmitted for Board approval, prior to the commencement of construction of the project. NDM submitted the Spill Contingency Plan, Version 3 on August 12, 2016, to fill this requirement (attached). On September 19, 2016, Spill Contingency Plan, Version 4 was submitted to address reviewer concerns. On October 5, 2016, the Board denied NDM's Spill Contingency Plan Version 4, for reasons outlined in the Reasons for Decision (attached), and with a table of requirements to update by October 19, 2016 in the decision letter (attached). On October 9, 2016, NDM submitted Plan V.5.

The following table is the list of commitments from the October 5, 2016 decision letter, and the location in the updated Plan V.5 where they have been addressed:

Table 1: List of Commitments for approval from the October 5, 2016 decision letter.

Reviewer Comment Number	Required Update	Section of Update
GNWT-ENR 2	The site map in Figure 2 was updated in Version 4 to show pathways of flow, however some of the numbers on this updated map are difficult to see, or overlap other values. The map remains of poor quality. It is difficult to determine certain values, as well as locations of hazardous material storage areas. This map shall be updated so that values are not overlapping and locations of hazardous material storage areas are clearly outlined.	This map has been made much clearer and is attached at the end of the Spill Contingency Plan document (Page 23).
GNWT ENR 3	The Spill Contingency Plan should be updated to expand on how and when containment booms would be deployed, specifically for NDM's site activities.	The section on Booms under 'Containment of Spills on Water' has been updated to specifically address NDM's site activities.
GNWT-ENR 4	Contingency plans should be added to the updated plan to address the circumstances described in this reviewer comment.	The section on Worst Case Scenarios was updated to include specific contingency measures for NDM.

GNWT-ENR 5	The Spill Contingency Plan should be updated to describe the training to be provided to first responders. This includes, but is not limited to, if practical field exercises are incorporated in training, or if the exercises are table-top. Also, if training will be provided in house, or if NDM will be hiring an outside contractor.	NDM outlined in the Training Program section (section 5) that an outside contractor will be hired to carry out emergency response training.
GNWT-ENR 6	The Spill Contingency Plan shall be thoroughly updated to better reflect accurate conditions on site, rather than a cut and paste of the INAC Guidelines. A few specific examples of these copied sections include: a reference to 'Lake Invisible'; a reference to a 'response mobile unit without contact information; sections 1x, 1xi, 1xii (which references 'the company'), Section 2, all of Section 5 and much of Section 3 contain word for word paragraphs copied from the INAC Guideline. Please ensure all information in this Plan accurately reflects site activities.	Many of these items were updated throughout the Plan V.5 to more accurately represent NDM specifically. Some paragraphs remain the same.

This updated Plan V.5 did not go out for review, as the motion carried at the October 5, 2016 Board Meeting stated that Board staff would confirm the contents of the revised Plan V.5, and present the updated submission to the Board.

4. Comments

NDM also holds Land Use Permit MV2015C0015 and Water Licence MV2015L2-0004 for the Mon Gold Mine project, issued October 21, 2015 (attached). These two authorizations include milling facilities, a dry stack tailings facility, a landfarm, water use and deposit of waste, and other standard infrastructure including roads, an explosives storage area, accommodations, a sewage treatment plant, fuel storage, and use of equipment.

5. Review Comments

Not applicable.

Board staff have confirmed the contents of the revised Plan V.5, and are to present the updated submission to the Board.

6. Security

For reclamation security for this project, NDM is required to post \$164,038.00 for Water Licence MV2014L2-0002 and \$88,110.00 for Land Use Permit MV2013C0021, prior to commencement of construction. The Board has not yet received receipts indicating this has been posted.

7. Conclusion

New Discovery Mines Ltd. has addressed the commitments outlined in the October 5, 2016 decision letter, and thus, there are no outstanding issues or concerns with this Plan V.5.

8. Recommendation

Board staff recommend the Board approve the Spill Contingency Plan, Version 5, as submitted on October 9, 2016.

9. Attachments

- [July 3, 2014 Issuance Letter - MV2013C0021 & MV2014L2-0002](#);
- [October 21, 2015 Issuance Letter - MV2015C0015 & MV2015L2-0004](#);
- [Spill Contingency Plan, Version 3](#);
- [Spill Contingency Plan, Version 4](#);
- [Spill Contingency Plan, Version 5](#);
- [October 5, 2016 Reasons for Decision and Decision Letter](#); and
- Draft Decision Letter.

Respectfully submitted,



Kierney Leach
Regulatory Officer