Appendix 8  Mechanical Infrastructure Permit Application Support Drawings
Errata Sheet
Poly Met Mining, Inc. NorthMet Project
Permit Application Support Drawings: Mechanical Infrastructure
July 2016 (version 2)

Engineering design is currently in progress. The table below lists changes that have been identified to-date and have not yet been incorporated in the attached permit application support drawings within this set. Final design will incorporate these changes along with additional site-specific information (e.g., supplementary geotechnical data); therefore, additional adjustments may be made during final design that will be incorporated into the final design drawing set.

<table>
<thead>
<tr>
<th>Drawing Sheet(s)</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Global change to all sheets, as needed</td>
<td>The terminology “mine drainage” as noted in these drawings will be changed to “mine water”.</td>
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<tr>
<td>TWP-009</td>
<td>The berm over the TWP will be revised to match the contours of the road where it crosses the proposed access road near the CPS.</td>
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<tr>
<td>TWP-010</td>
<td>The option of 1” minus rock as the top berm surface was eliminated to minimize additional impervious surfaces. Remove “or 1” minus rock” text on Sections 1, 2, 4, &amp; 5.</td>
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<tr>
<td>MD-001</td>
<td>An access road will be added adjacent to a Mine Water pipe for construction and maintenance purposes. This access road will follow the Mine Water pipe that connects the Category 1 Stockpile and Haul Road F (in a general north-south orientation).</td>
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<tr>
<td>MD-003</td>
<td>The grading for the access road from the Fueling and Maintenance Facility to Pond MD-SOSP &amp; Sump SOSP will be revised to optimize drainage.</td>
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</table>
POLY MET MINING, INC. NORTHMET PROJECT
PERMIT APPLICATION SUPPORT DRAWINGS
MECHANICAL INFRASTRUCTURE
HOYT LAKES, MINNESOTA
### Mine Drainage Ponds

<table>
<thead>
<tr>
<th>ID</th>
<th>Description</th>
<th>Objectives</th>
<th>Mine Year</th>
<th>Design Capacity (gal)</th>
<th>Appropriate Pump Capacity</th>
<th>Approximate Pump Volume (gal)</th>
<th>Approximate Pump Volume (gal)</th>
<th>Actual Volume (gal)</th>
<th>Actual Volume (gal)</th>
<th>Known on Sheet #</th>
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### Pumps

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### Notes

1. Actual pump type and pond capacity will be determined in final design.
2. It is recommended to select a pump in the final design.
3. Mine drainage pond is shown in Figure 1 on Sheet NO. 104.
4. Mine drainage pond is shown in Figure 2 on Sheet NO. 104.
5. All mine capacity plants and estimated volume have been included.

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### Mechanical Infrastructure General DWS

- **SUMP, POND, AND PIPE DETAIL TABS**
  - **POLYMET MINING, INC.**
  - **NORTHEM PROJECT**
  - **HOYT LAKES, MINNESOTA**

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### Right-Hand Number

**ME-004**

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### legend

- **DWS**
- **SUMP, POND, AND PIPE DETAIL TABS**
- **POLYMET MINING, INC.**
- **NORTHEM PROJECT**
- **HOYT LAKES, MINNESOTA**

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### front cover

- **POLYMET MINING, INC.**
- **NORTHEM PROJECT**
- **HOYT LAKES, MINNESOTA**
NOTE: THE SUMP DISCHARGES TO THE SUMP OVERFLOW POND MD-SOSP IN EVENTS GREATER THAN THE 10-YEAR 24-HOUR STORM.

WINE DRAINAGE INFRASTRUCTURE
WINE DRAINAGE SUMP DESIGN
SUMP SOSP & MD-SOSP GRADING PLAN

POLYMET MINING, INC.
NORTHMET PROJECT
HOYT LAKES, MINNESOTA

POLYMET

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MD-003