



MINNESOTA DEPARTMENT OF NATURAL RESOURCES

# Draft Water Appropriation Permit

**Permit Number**  
**2016-1363**

**Project Name:**

Poly Met Mining, Inc.

**County:**

St. Louis

**Watershed:**

St. Louis River

**Resource:**

Quarry/Mine: East Pit

**Purpose of Permit:**

Mine Dewatering

**Draft Authorized Action:**

No actions are authorized in this document. No appropriation or use of water is authorized in this public comment draft, which has been prepared for the purposes of public review and input only. This document identifies proposed conditions that may apply to Poly Met Mining, Inc.'s application for a permit to withdraw up to 1000 million gallons of water per year for mine dewatering.

Exact points of taking and number of installations will be variable over time. Prior to pumping Permittee shall notify DNR of exact location and number of installations. Maximum authorized pumping rate shall not be exceeded by the addition of installations.

Discharge locations shall be in accordance with those noted in Attachment A.

**Permittee:**

POLY MET MINING, INC.  
CONTACT: KEARNEY, CHRISTIE, (218) 471-2163  
6500 CO RD 666  
PO BOX 475  
HOYT LAKES, MN 55750  
(218) 471-2150

**Authorized Agent:**

N/A

**To Appropriate From:**

Quarry/Mine: East Pit: by means of a portable pump at a rate not to exceed 2340 gpm  
Point(s) of Taking  
UTM zone 15N, 578629m east, 5275039m north  
SWNE of Section 2, T59N, R13W

**Authorized Issuer:**

**Title:**

**Issued Date: Effective Date: Expiration Date:**

**PROPOSED CONDITIONS:**

**LIMITATIONS:** (a) Any violation of the terms and provisions of this permit and any appropriation of the waters of the state in excess of that authorized hereon shall constitute a violation of Minnesota Statutes, Chapter 103G. (b) This permit shall not be construed as establishing any priority of appropriation of waters of the state. (c) This permit is permissive only. No liability shall be imposed upon or incurred by the State of Minnesota or any of its employees, on account of the granting hereof or on account of any damage to any person or property resulting from any act or omission of the Permittee relating to any matter hereunder. This permit shall not be construed as estopping or limiting any legal claims or right of action of any person other than the state against the Permittee, for any damage or injury resulting from any such act or omission, or as estopping or limiting any legal claim or right of action of the state against the Permittee, for violation of or failure to comply with the provisions of the permit or applicable provisions of law. (d) In all cases where the doing by the Permittee of anything authorized by this permit shall involve the taking, using, or damaging of any property, rights or interests of any other person or persons, or of any publicly owned lands or improvements thereon or interests therein, the Permittee, before proceeding therewith, shall obtain the written consent of all persons, agencies, or authorities concerned, and shall acquire all property, rights, and interests necessary therefore. (e) This permit shall not release the Permittee from any other permit requirements or liability or obligation imposed by Minnesota Statutes, Federal Law, or local ordinances relating thereto and shall remain in force subject to all conditions and limitations now or hereafter imposed by law. (f) Unless explicitly specified, this permit does not authorize any alterations of the beds or banks of any public (protected) waters or wetlands. A separate permit must be obtained from the Department of Natural Resources prior to any such alteration.

**WATER USE REPORTING:** (a) **FLOW METER** The Permittee shall equip each installation for appropriating or using water with a flow meter, unless another method of measuring the quantity of water appropriated to within ten (10) percent of actual amount withdrawn is approved by the Department. (b) **REPORTS** Monthly records of the amount of water appropriated or used shall be recorded for each installation. Such readings and the total amount of water appropriated or used shall be reported annually to the Director of DNR Ecological and Water Resources, on or before February 15 of the following year, via the MNDNR Permitting and Reporting System (MPARS) at [www.mndnr.gov/mpars/signin](http://www.mndnr.gov/mpars/signin). Any processing fee required by law or rule shall be submitted with the records whether or not any water was appropriated during the year. Failure to report shall be sufficient cause for terminating the permit 30 days following written notice. (c) **TRANSFER OR ASSIGNMENT** Any transfer or assignment of rights, or sale of property involved hereunder shall be reported within 90 days thereafter to the Director of DNR Ecological and Water Resources. Such notice shall be made by the transferee (i.e., new owner) and shall state the intention to continue the appropriation as stated in the permit. This permit shall not be transferred or assigned except with the written consent of the Commissioner. (d) **MODIFICATION** The Permittee must notify the Commissioner in writing of any proposed changes to the existing permit. This permit shall not be modified without first obtaining the written permission from the Commissioner.

**COMMISSIONER'S AUTHORITY:** (a) The Commissioner may inspect any installation utilized for the appropriation or use of water. The Permittee shall grant access to the site at all reasonable times and shall supply such information concerning such installation as the Commissioner may require. (b) The Commissioner may, as he/she deems necessary, require the Permittee to install gages and/or observation wells to monitor the impact of the Permittee's appropriation on the water resource and require the Permittee to pay necessary costs of installation and maintenance. (c) The Commissioner may restrict, suspend, amend, or cancel this permit in accordance with applicable laws and rules for any cause for the protection of public interests, or for violation of the provisions of this permit.

**PUBLIC RECORD:** All data, facts, plans, maps, applications, annual water use reports, and any additional information submitted as part of this permit, and this permit itself are part of the public record and are available for public inspection at the offices of DNR Ecological and Water Resources. The information contained therein may be used by the Division as it deems necessary. The submission of false data, statements, reports, or any such additional information, at any time shall be deemed as just grounds for revocation of this permit.

**MONITORING REQUIREMENTS:** Minnesota Statutes 103G.282 authorizes the Department of Natural Resources to require permittees to install and maintain monitoring equipment to evaluate water resource impacts from permitted appropriations. You may be required to modify or install automated measuring devices and keep records for each installation. The frequency of measurements and other requirements will be based on quantity of water appropriated, source of water, potential connections to other water resources, nature of concern, and other relevant factors.

**DROUGHT PLANNING:** In accordance with M.S. 103G.293, all permits must be consistent with the drought response plan detailed in the Statewide Drought Plan at [http://files.dnr.state.mn.us/natural\\_resources/climate/drought/drought\\_plan\\_matrix.pdf](http://files.dnr.state.mn.us/natural_resources/climate/drought/drought_plan_matrix.pdf).

**WATER USE CONFLICT:** If notified by the DNR that a water use conflict is suspected and probable from your appropriation, based on confirmation of a formal well interference complaint or a preliminary hydrologic assessment, all appropriation authorized by this permit must cease immediately until the interference is resolved. The permittee may be required to obtain additional data to support the technical analysis, such as domestic well information within a radius of one and one-half miles of the production well. The permittee and impacted party may engage in a negotiated settlement process and there may be modifications made to this permit in support of conflict resolution.

**SUSPENSION:** The Department may require the suspension of appropriation during periods of low water in order to maintain minimum water levels within the basin/watercourse/watershed.

**CONTINGENCY:** If directed by DNR Ecological and Water Resources to cease pumping, the permittee agrees to withstand the results of no appropriation as stated in the contingency statement submitted with the application.

**INTAKE:** All pump intakes must be screened to prevent fish from being drawn into the system.

**INVASIVE SPECIES - EQUIPMENT DECONTAMINATION:** All equipment intended for use at a project site must be free of prohibited invasive species and aquatic plants prior to being transported into or within the state and placed into state waters. All equipment used in designated infested waters, shall be inspected by the Permittee or their authorized agent and adequately decontaminated prior to being transported from the worksite. The DNR is available to train inspectors and/or assist in these inspections. For more information refer to the "Best Practices for Preventing the Spread of Aquatic Invasive Species" at [http://files.dnr.state.mn.us/publications/ewr/invasives/ais/best\\_practices\\_for\\_prevention\\_ais.pdf](http://files.dnr.state.mn.us/publications/ewr/invasives/ais/best_practices_for_prevention_ais.pdf). Contact your regional Invasive Species Specialist for assistance at [www.mndnr.gov/invasives/contacts.html](http://www.mndnr.gov/invasives/contacts.html). A list of designated infested waters is available at [www.mndnr.gov/invasives/ais/infested.html](http://www.mndnr.gov/invasives/ais/infested.html). A list of prohibited invasive species is available at [www.mndnr.gov/eco/invasives/laws.html#prohibited](http://www.mndnr.gov/eco/invasives/laws.html#prohibited).

**INFESTED WATERS - WATER TREATMENT REQUIREMENTS:** Surface water appropriation from waters listed as containing invasive species (see [www.mndnr.gov/invasives/ais/infested.html](http://www.mndnr.gov/invasives/ais/infested.html)) are required to contact 651-259-5100 or 1-888-MINN-DNR to obtain information from the DNR Division of Ecological and Water Resources on specific invasive species water treatment requirements.

**WATER CONSERVATION:** All practical and feasible water conservation methods and practices must be employed to promote sound water management and use the least amount of water necessary, such as reuse and recycling water, water-saving devices, and water storage.

**DISCHARGE AUTHORIZATION:** This permit is valid only in conjunction with all required discharge authorizations from local, state, or federal government units.

**MONITORING PLAN:** Monitoring shall be done in accordance with the attached Monitoring Plan dated [date]. All data shall be reviewed annually in cooperation with the DNR and adjustments made to the monitoring requirements as appropriate. Changes to the Monitoring Plan shall be made through an amendment to this permit.

**QUALITY ASSURANCE PROJECT PLAN:** Monitoring procedures and reporting requirements shall be conducted in accordance with the attached Quality Assurance Project Plan (QAPP) dated [date].

**WATER MOVEMENT REPORTING:** Flow rates and total monthly volumes shall be reported for all water movement on-site or discharged off-site as listed in the attached Monitoring Plan. Instantaneous rates, when relevant, shall be recorded when the total monthly volumes (totalizer readings) are collected. This information will allow for the development of a comprehensive water balance, provide further data about past and current water uses and inform future water management decisions.

**PROCESS FLOW DIAGRAM - TEMPORARY IDLE:** Prior to initiation of a temporary idle that may last longer than six (6) months, Permittee shall submit an updated process flow diagram showing water movement on-site and off-site during the temporary idle. Permittee shall work with the DNR to evaluate the process flow diagram and determine additional data needs. Additional data collected shall be reported to the DNR. This Condition applies once a temporary idle lasts six months even if a shorter time frame was originally anticipated. All Conditions of this permit apply in the event of a temporary idle.

**WATER BALANCE MODEL - PLANNED COMPLETION OF MINING:** Two (2) years prior to planned completion of mining, Permittee shall update existing or, with DNR approval, develop new Mine Site and Plant Site water balance models to predict hydrologic equilibrium conditions after closure for submittal to the DNR. Permittee shall work with the DNR to evaluate the water balance models and determine if additional data is needed. If after this evaluation the DNR identifies additional data needs related to water balance modeling, Permittee must provide the additional data prior to closure.

**REQUIRED REPORTING:** The monitoring and reporting required by conditions of this permit are necessary to protect public health, safety and welfare pursuant to Minnesota Statutes 103G.297 and shall continue during periods of temporary idle, shutdown and/or bankruptcy unless otherwise specified by the DNR.

**WELL SEALING:** The permittee shall notify the Minnesota Department of Health prior to sealing, removing, covering, plugging or filling the well(s). The well(s) must be sealed by a licensed well driller and in accordance with the procedures required under Minnesota Statutes 103I and Minnesota Rules 4725 as administered by the Minnesota Department of Health. Prior to sealing any wells used solely for NPDES/SDS monitoring, Permittee and DNR shall determine if any of the wells shall be left unsealed and used for groundwater level monitoring.

**NEW WELL INSTALLATION:** Permittee shall provide the MN Unique Well Numbers, well logs, and any additional data collected during the installation process, for each new well that is installed for monitoring required by this permit.

**ADAPTIVE MANAGEMENT:** Should monitoring data and/or modeling results show unacceptable impacts to public health, to public safety, or to the public interests in lands and waters are being, or could potentially be, caused by the appropriation or use of water authorized under this permit, Permittee shall work with the DNR to develop and implement appropriate adaptive management or mitigation strategies. If the DNR concludes that adaptive management or other mitigation strategies are insufficient to remedy the unacceptable impacts, the DNR may cancel or suspend the permit in accordance with Minnesota Statutes 103G.297.

**MINE PIT ELEVATIONS AND VOLUMES:** Permittee shall develop one-foot contour elevation data and maps for each pit and provide stage-area relationship data based on either mine survey information or aerial photography every other year. This data shall be reported to the DNR in the Permittee's annual report in accordance with the QAPP dated [date].

**RIGHT TO APPROPRIATE:** This permit is valid only as long as the Permittee has ownership, control of, or a license to use the land overlying the groundwater source or abutting the surface water source from which the water will be appropriated.

**TERM OF PERMIT:** The term of this permit shall end in the event that the Permittee fails to appropriate and use water under this permit for a continuous period of ten (10) years. In such event, the Permittee shall be deemed to have abandoned any right to use and appropriate water under this permit and the permit shall be terminated, unless the DNR extends the term of the permit in writing upon good cause shown by the Permittee.



MINNESOTA DEPARTMENT OF NATURAL RESOURCES

# Draft Water Appropriation Permit

**Permit Number**  
**2016-1364**

<b>Project Name:</b> Poly Met Mining, Inc.	<b>County:</b> St. Louis	<b>Watershed:</b> St. Louis River	<b>Resource:</b> Quarry/Mine: Central Pit
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**Purpose of Permit:**  
Mine Dewatering

**Draft Authorized Action:**  
No actions are authorized in this document. No appropriation or use of water is authorized in this public comment draft, which has been prepared for the purposes of public review and input only. This document identifies proposed conditions that may apply to Poly Met Mining, Inc.'s application for a permit to withdraw up to 700 million gallons of water per year for mine dewatering.

Exact points of taking and number of installations will be variable over time. Prior to pumping Permittee shall notify DNR of exact location and number of installations. Maximum authorized pumping rate shall not be exceeded by the addition of installations.

Discharge locations shall be in accordance with those noted in Attachment A.

**Permittee:**  
POLY MET MINING, INC.  
CONTACT: KEARNEY, CHRISTIE, (218) 471-2163  
6500 CO RD 666  
PO BOX 475  
HOYT LAKES, MN 55750  
(218) 471-2150

**Authorized Agent:**  
N/A

**To Appropriate From:**  
Quarry/Mine: Central Pit : by means of a portable pump at a rate not to exceed 1300 gpm  
Point(s) of Taking  
UTM zone 15N, 577274m east, 5274545m north  
NESE of Section 3, T59N, R13W

**Authorized Issuer:                      Title:    Issued Date:    Effective Date:    Expiration Date:**

**PROPOSED CONDITIONS:**

**LIMITATIONS:** (a) Any violation of the terms and provisions of this permit and any appropriation of the waters of the state in excess of that authorized hereon shall constitute a violation of Minnesota Statutes, Chapter 103G. (b) This permit shall not be construed as establishing any priority of appropriation of waters of the state. (c) This permit is permissive only. No liability shall be imposed upon or incurred by the State of Minnesota or any of its employees, on account of the granting hereof or on account of any damage to any person or property resulting from any act or omission of the Permittee relating to any matter hereunder. This permit shall not be construed as estopping or limiting any legal claims or right of action of any person other than the state against the Permittee, for any damage or injury resulting from any such act or omission, or as estopping or limiting any legal claim or right of action of the state against the Permittee, for violation of or failure to comply with the provisions of the permit or applicable provisions of law. (d) In all cases where the doing by the Permittee of anything authorized by this permit shall involve the taking, using, or damaging of any property, rights or interests of any other person or persons, or of any publicly owned lands or improvements thereon or interests therein, the Permittee, before proceeding therewith, shall obtain the written consent of all persons, agencies, or authorities concerned, and shall acquire all property, rights, and interests necessary therefore. (e) This permit shall not release the Permittee from any other permit requirements or liability or obligation imposed by Minnesota Statutes, Federal Law, or local ordinances relating thereto and shall remain in force subject to all conditions and limitations now or hereafter imposed by law. (f) Unless explicitly specified, this permit does not authorize any alterations of the beds or banks of any public (protected) waters or wetlands. A separate permit must be obtained from the Department of Natural Resources prior to any such alteration.

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**Attachment A  
Initial Discharge Location for Individual Installations  
DNR Water Appropriation Permit 2016-1364**

Installation	Initial Discharge Location
Pre-operation construction	Construction Mine Water Basin or similar temporary basin at the Mine Site or, if construction stormwater, off-site through the stormwater system (Partridge River Tributaries)
During operation	Equalization Basins
Treated water may be discharged off-site to the following sites for augmentation:	<ul style="list-style-type: none"> <li>◦Second Creek UTMs X=565896 Y=5271955</li> <li>◦Trimble Creek #1 UTMs X=563983 Y=5275733</li> <li>◦Trimble Creek #2 UTMs X=564471 Y=5275791</li> <li>◦Trimble Creek #3 UTMs X=564857 Y=5276079</li> <li>◦Trimble Creek #4 UTMs X=565381 Y=5276076</li> <li>◦Trimble Creek #5 UTMs X=565918 Y=5276075</li> <li>◦Trimble Creek #6 UTMs X=566331 Y=5276044</li> <li>◦Trimble Creek #7 UTMs X=566818 Y=5276024</li> <li>◦Unnamed Creek #1 UTMs X=563404 Y=5274175</li> <li>◦Unnamed Creek #2 UTMs X=563388 Y=5275138</li> </ul>

PUBLIC COMMENT DRAFT



MINNESOTA DEPARTMENT OF NATURAL RESOURCES

# Draft Water Appropriation Permit

**Permit Number**  
**2016-1365**

**Project Name:**  
Poly Met Mining, Inc.

**County:**  
St. Louis

**Watershed:**  
St. Louis River

**Resource:**  
Quarry/Mine: West Pit

**Purpose of Permit:**  
Mine Dewatering

**Draft Authorized Action:**

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Discharge locations shall be in accordance with those noted in Attachment A.

**Permittee:**  
POLY MET MINING, INC.  
CONTACT: KEARNEY, CHRISTIE, (218) 471-2163  
6500 CO RD 666  
PO BOX 475  
HOYT LAKES, MN 55750  
(218) 471-2150

**Authorized Agent:**  
N/A

**To Appropriate From:**

Quarry/Mine: West Pit: by means of a portable pump at a rate not to exceed 2640 gpm  
Point(s) of Taking  
UTM zone 15N, 576514m east, 5274027m north  
NENW of Section 10, T59N, R13W

**Authorized Issuer:                      Title:                      Issued Date:    Effective Date:    Expiration Date:**

**PROPOSED CONDITIONS:**

**LIMITATIONS:** (a) Any violation of the terms and provisions of this permit and any appropriation of the waters of the state in excess of that authorized hereon shall constitute a violation of Minnesota Statutes, Chapter 103G. (b) This permit shall not be construed as establishing any priority of appropriation of waters of the state. (c) This permit is permissive only. No liability shall be imposed upon or incurred by the State of Minnesota or any of its employees, on account of the granting hereof or on account of any damage to any person or property resulting from any act or omission of the Permittee relating to any matter hereunder. This permit shall not be construed as estopping or limiting any legal claims or right of action of any person other than the state against the Permittee, for any damage or injury resulting from any such act or omission, or as estopping or limiting any legal claim or right of action of the state against the Permittee, for violation of or failure to comply with the provisions of the permit or applicable provisions of law. (d) In all cases where the doing by the Permittee of anything authorized by this permit shall involve the taking, using, or damaging of any property, rights or interests of any other person or persons, or of any publicly owned lands or improvements thereon or interests therein, the Permittee, before proceeding therewith, shall obtain the written consent of all persons, agencies, or authorities concerned, and shall acquire all property, rights, and interests necessary therefore. (e) This permit shall not release the Permittee from any other permit requirements or liability or obligation imposed by Minnesota Statutes, Federal Law, or local ordinances relating thereto and shall remain in force subject to all conditions and limitations now or hereafter imposed by law. (f) Unless explicitly specified, this permit does not authorize any alterations of the beds or banks of any public (protected) waters or wetlands. A separate permit must be obtained from the Department of Natural Resources prior to any such alteration.

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**WATER BALANCE MODEL - PLANNED COMPLETION OF MINING:** Two (2) years prior to planned completion of mining, Permittee shall update existing or, with DNR approval, develop new Mine Site and Plant Site water balance models to predict hydrologic equilibrium conditions after closure for submittal to the DNR. Permittee shall work with the DNR to evaluate the water balance models and determine if additional data is needed. If after this evaluation the DNR identifies additional data needs related to water balance modeling, Permittee must provide the additional data prior to closure.

**REQUIRED REPORTING:** The monitoring and reporting required by conditions of this permit are necessary to protect public health, safety and welfare pursuant to Minnesota Statutes 103G.297 and shall continue during periods of temporary idle, shutdown and/or bankruptcy unless otherwise specified by the DNR.

**WELL SEALING:** The permittee shall notify the Minnesota Department of Health prior to sealing, removing, covering, plugging or filling the well(s). The well(s) must be sealed by a licensed well driller and in accordance with the procedures required under Minnesota Statutes 103I and Minnesota Rules 4725 as administered by the Minnesota Department of Health. Prior to sealing any wells used solely for NPDES/SDS monitoring, Permittee and DNR shall determine if any of the wells shall be left unsealed and used for groundwater level monitoring.

**NEW WELL INSTALLATION:** Permittee shall provide the MN Unique Well Numbers, well logs, and any additional data collected during the installation process, for each new well that is installed for monitoring required by this permit.

**ADAPTIVE MANAGEMENT:** Should monitoring data and/or modeling results show unacceptable impacts to public health, to public safety, or to the public interests in lands and waters are being, or could potentially be, caused by the appropriation or use of water authorized under this permit, Permittee shall work with the DNR to develop and implement appropriate adaptive management or mitigation strategies. If the DNR concludes that adaptive management or other mitigation strategies are insufficient to remedy the unacceptable impacts, the DNR may cancel or suspend the permit in accordance with Minnesota Statutes 103G.297.

**MINE PIT ELEVATIONS AND VOLUMES:** Permittee shall develop one-foot contour elevation data and maps for each pit and provide stage-area relationship data based on either mine survey information or aerial photography every other year. This data shall be reported to the DNR in the Permittee's annual report in accordance with the QAPP dated [date].

**RIGHT TO APPROPRIATE:** This permit is valid only as long as the Permittee has ownership, control of, or a license to use the land overlying the groundwater source or abutting the surface water source from which the water will be appropriated.

**TERM OF PERMIT:** The term of this permit shall end in the event that the Permittee fails to appropriate and use water under this permit for a continuous period of ten (10) years. In such event, the Permittee shall be deemed to have abandoned any right to use and appropriate water under this permit and the permit shall be terminated, unless the DNR extends the term of the permit in writing upon good cause shown by the Permittee.

**Attachment A  
Initial Discharge Location for Individual Installations  
DNR Water Appropriation Permit 2016-1365**

Installation	Initial Discharge Location
Pre-operation construction	Construction Mine Water Basin or similar temporary basin at the Mine Site or, if construction stormwater, off-site through the stormwater system (Partridge River Tributaries)
During operation	Equalization Basins
Treated water may be discharged off-site to the following sites for augmentation:	<ul style="list-style-type: none"> <li>◦Second Creek UTMs X=565896 Y=5271955</li> <li>◦Trimble Creek #1 UTMs X=563983 Y=5275733</li> <li>◦Trimble Creek #2 UTMs X=564471 Y=5275791</li> <li>◦Trimble Creek #3 UTMs X=564857 Y=5276079</li> <li>◦Trimble Creek #4 UTMs X=565381 Y=5276076</li> <li>◦Trimble Creek #5 UTMs X=565918 Y=5276075</li> <li>◦Trimble Creek #6 UTMs X=566331 Y=5276044</li> <li>◦Trimble Creek #7 UTMs X=566818 Y=5276024</li> <li>◦Unnamed Creek #1 UTMs X=563404 Y=5274175</li> <li>◦Unnamed Creek #2 UTMs X=563388 Y=5275138</li> </ul>

PUBLIC COMMENT DRAFT

**Attachment A  
Initial Discharge Location for Individual Installations  
DNR Water Appropriation Permit 2016-1363**

Installation	Initial Discharge Location
Pre-operation construction	Construction Mine Water Basin or similar temporary basin at the Mine Site or, if construction stormwater, off-site through the stormwater system (Partridge River Tributaries)
During operation	Equalization Basins
Treated water may be discharged off-site to the following sites for augmentation:	<ul style="list-style-type: none"> <li>◦Second Creek UTMs X=565896 Y=5271955</li> <li>◦Trimble Creek #1 UTMs X=563983 Y=5275733</li> <li>◦Trimble Creek #2 UTMs X=564471 Y=5275791</li> <li>◦Trimble Creek #3 UTMs X=564857 Y=5276079</li> <li>◦Trimble Creek #4 UTMs X=565381 Y=5276076</li> <li>◦Trimble Creek #5 UTMs X=565918 Y=5276075</li> <li>◦Trimble Creek #6 UTMs X=566331 Y=5276044</li> <li>◦Trimble Creek #7 UTMs X=566818 Y=5276024</li> <li>◦Unnamed Creek #1 UTMs X=563404 Y=5274175</li> <li>◦Unnamed Creek #2 UTMs X=563388 Y=5275138</li> </ul>

PUBLIC COMMENT DRAFT



MINNESOTA DEPARTMENT OF NATURAL RESOURCES

**Permit Number**

**Draft Water Appropriation Permit**

**2016-1367**

**Project Name:**  
Poly Met Mining, Inc.

**County:**  
St. Louis

**Watershed:**  
St. Louis River

**Resource:**  
Groundwater;  
Dug Pit/Holding Pond;  
Surface Water

**Purpose of Permit:**  
Mine Processing (excludes sand/gravel)

**Draft Authorized Action:**  
No actions are authorized in this document. No appropriation or use of water is authorized in this public comment draft, which has been prepared for the purposes of public review and input only. This document identifies proposed conditions that may apply to Poly Met Mining, Inc.'s application for a permit to withdraw up to 1200 million gallons of water per year for mine processing (excludes sand/gravel).

Appropriation amounts shall be in accordance with maximum rates and total volumes specifically detailed in Attachment A of this Permit. The volumes and rates detailed in Attachment A shall not be exceeded.

Exact points of taking and number of installations will be variable over time. Prior to pumping Permittee shall notify DNR of exact location and number of installations. Maximum authorized pumping rate shall not be exceeded by the addition of installations.

Discharge locations shall be in accordance with those noted in Attachment B.

**Permittee:**  
POLY MET MINING, INC.  
CONTACT: KEARNEY, CHRISTIE, (218) 471-2163  
6500 CO RD 666  
PO BOX 475  
HOYT LAKES, MN 55750  
(218) 471-2150

**Authorized Agent:**  
N/A

**To Appropriate From:**  
Groundwater: Category 1 Stockpile Groundwater Containment System construction: by means of a portable pump at a rate not to exceed 275 gpm  
Point(s) of Taking  
UTM zone 15N, 576213m east, 5274261m north  
SWSW of Section 3, T59N, R13W

Groundwater: Category 1 Stockpile Groundwater Containment System operation: by means of a stationary pump at a rate not to exceed 14400 gpm



Point(s) of Taking

UTM zone 15N, 576232m east, 5274265m north  
 SWSW of Section 3, T59N, R13W

Groundwater: Category 1 Waste Rock Stockpile foundation construction: by means of a portable pump at a rate not to exceed 3375 gpm

Point(s) of Taking

UTM zone 15N, 576188m east, 5274258m north  
 SWSW of Section 3, T59N, R13W

Groundwater: Category 2/3 Waste Rock Stockpile foundation, sumps and overflow ponds construction: by means of a portable pump at a rate not to exceed 1525 gpm

Point(s) of Taking

UTM zone 15N, 579110m east, 5274152m north  
 SWSW of Section 1, T59N, R13W

Dug Pit/Holding Pond: Category 2/3 Waste Rock Stockpile lined mine water drainage: by means of a portable pump at a rate not to exceed 430 gpm

Point(s) of Taking

UTM zone 15N, 579110m east, 5274153m north  
 SWSW of Section 1, T59N, R13W

Groundwater: Category 2/3 Waste Rock Stockpile underdrain operation: by means of a stationary pump at a rate not to exceed 50 gpm

Point(s) of Taking

UTM zone 15N, 579110m east, 5274153m north  
 SWSW of Section 1, T59N, R13W

Groundwater: Category 4 Waste Rock Stockpile foundation, sumps and overflow ponds construction: by means of a portable pump at a rate not to exceed 850 gpm

Point(s) of Taking

UTM zone 15N, 577323m east, 5274311m north  
 SESE of Section 3, T59N, R13W

Dug Pit/Holding Pond: Category 4 Waste Rock Stockpile lined mine water drainage: by means of a portable pump at a rate not to exceed 130 gpm

Point(s) of Taking

UTM zone 15N, 577321m east, 5274314m north  
 SESE of Section 3, T59N, R13W

Groundwater: Category 4 Waste Rock Stockpile underdrain operation: by means of a stationary pump at a rate not to exceed 25 gpm

Point(s) of Taking

UTM zone 15N, 577323m east, 5274311m north  
 SESE of Section 3, T59N, R13W

Groundwater: Construction of new buildings: by means of a portable pump at a rate not to exceed 50 gpm

Point(s) of Taking

UTM zone 15N, 577540m east, 5273462m north  
 SWNW of Section 11, T59N, R13W

Dug Pit/Holding Pond: lined EQ Basin and Construction Mine Water Basin: by means of a stationary pump at a rate not to exceed 75 gpm

Point(s) of Taking

UTM zone 15N, 577525m east, 5273266m north  
 NWSW of Section 11, T59N, R13W

Dug Pit/Holding Pond: haul roads, OSLA, RTH: by means of a portable pump at a rate not to exceed 470

gpm  
Point(s) of Taking  
UTM zone 15N, 577019m east, 5273133m north  
NWSE of Section 10, T59N, R13W

Groundwater: Minewater pond construction: by means of a portable pump at a rate not to exceed 200 gpm  
Point(s) of Taking  
UTM zone 15N, 577017m east, 5273148m north  
NWSE of Section 10, T59N, R13W

Groundwater: Miscellaneous construction dewatering: by means of a portable pump at a rate not to exceed 100 gpm  
Point(s) of Taking  
UTM zone 15N, 577349m east, 5273307m north  
SENE of Section 10, T59N, R13W

Groundwater: Ore Surge Pile foundation, sumps, and overflow construction ponds: by means of a portable pump at a rate not to exceed 200 gpm  
Point(s) of Taking  
UTM zone 15N, 577828m east, 5273646m north  
SWNW of Section 11, T59N, R13W

Dug Pit/Holding Pond: Ore Surge Pile liner mine water drainage: by means of a stationary pump at a rate not to exceed 80 gpm  
Point(s) of Taking  
UTM zone 15N, 577826m east, 5273646m north  
SWNW of Section 11, T59N, R13W

Groundwater: Ore Surge Pile underdrain operation: by means of a stationary pump at a rate not to exceed 25 gpm  
Point(s) of Taking  
UTM zone 15N, 577828m east, 5273646m north  
SWNW of Section 11, T59N, R13W

Surface Water: Stormwater pond construction: by means of a portable pump at a rate not to exceed 750 gpm  
Point(s) of Taking  
UTM zone 15N, 576853m east, 5273032m north  
NWSE of Section 10, T59N, R13W

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**WATER MOVEMENT REPORTING:** Flow rates and total monthly volumes shall be reported for all water movement on-site or discharged off-site as listed in the attached Monitoring Plan. Instantaneous rates, when relevant, shall be recorded when the total monthly volumes (totalizer readings) are collected. This information will allow for the development of a comprehensive water balance, provide further data about past and current water uses and inform future water management decisions.

**PROCESS FLOW DIAGRAM - TEMPORARY IDLE:** Prior to initiation of a temporary idle that may last longer than six (6) months, Permittee shall submit an updated process flow diagram showing water movement on-site and off-site during the temporary idle. Permittee shall work with the DNR to evaluate the process flow diagram and determine additional data needs. Additional data collected shall be reported to the DNR. This Condition applies once a temporary idle lasts six months even if a shorter time frame was originally anticipated. All Conditions of this permit apply in the event of a temporary idle.

**WATER BALANCE MODEL - PLANNED COMPLETION OF MINING:** Two (2) years prior to planned completion of mining, Permittee shall update existing or, with DNR approval, develop new Mine Site and Plant Site water balance models to predict hydrologic equilibrium conditions after closure for submittal to the DNR. Permittee shall work with the DNR to evaluate the water balance models and determine if additional data is needed. If after this evaluation the DNR identifies additional data needs related to water balance modeling, Permittee must provide the additional data prior to closure.

**REQUIRED REPORTING:** The monitoring and reporting required by conditions of this permit are necessary to protect public health, safety and welfare pursuant to Minnesota Statutes 103G.297 and shall continue during periods of temporary idle, shutdown and/or bankruptcy unless otherwise specified by the DNR

**WELL SEALING:** The permittee shall notify the Minnesota Department of Health prior to sealing, removing, covering, plugging or filling the well(s). The well(s) must be sealed by a licensed well driller and in accordance with the procedures required under Minnesota Statutes 103I and Minnesota Rules 4725 as administered by the Minnesota Department of Health. Prior to sealing any wells used solely for NPDES/SDS monitoring, Permittee and DNR shall determine if any of the wells shall be left unsealed and used for groundwater level monitoring.

**NEW WELL INSTALLATION:** Permittee shall provide the MN Unique Well Numbers, well logs, and any additional data collected during the installation process, for each new well that is installed for monitoring required by this permit.

**ADAPTIVE MANAGEMENT:** Should monitoring data and/or modeling results show unacceptable impacts to public health, to public safety, or to the public interests in lands and waters are being, or could potentially be, caused by the appropriation or use of water authorized under this permit, Permittee shall work with the DNR to develop and implement appropriate adaptive management or mitigation strategies. If the DNR concludes that adaptive management or other mitigation strategies are insufficient to remedy the unacceptable impacts, the DNR may cancel or suspend the permit in accordance with Minnesota Statutes 103G.297.

**MODEL UPDATES AND ASSESSMENT:** Permittee shall conduct ongoing modeling in accordance with the modeling work plan to be approved by the DNR. Permittee shall submit its model reports according to the schedules established in said work plan. This modeling will incorporate ongoing surface water and groundwater monitoring results obtained under this permit.

**RIGHT TO APPROPRIATE:** This permit is valid only as long as the Permittee has ownership, control of, or a license to use the land overlying the groundwater source or abutting the surface water source from which the water will be appropriated.

**TERM OF PERMIT:** The term of this permit shall end in the event that the Permittee fails to appropriate and use water under this permit for a continuous period of ten (10) years. In such event, the Permittee shall be deemed to have abandoned any right to use and appropriate water under this permit and the permit shall be terminated, unless the DNR extends the term of the permit in writing upon good cause shown by the Permittee.

**Attachment A  
Maximum Rates and Volumes by Individual Installation  
DNR Water Appropriation Permit 2016-1367**

<b>Installation</b>	<b>Maximum Daily Rate (gpm)</b>	<b>Total Volume (MG)</b>
Ore Surge Pile foundation, sumps, and overflow construction ponds	200	30
Construction of new buildings	50	5
Mine water pond construction	200	40
Stormwater pond construction	750	35
Category 4 Waste Rock Stockpile foundation, sumps and overflow ponds construction	850	50
Category 2/3 Waste Rock Stockpile foundation, sumps and overflow ponds construction	1,525	135
Category 1 Waste Rock stockpile foundation construction	3,375	45
Category 1 Stockpile Groundwater Containment System construction	275	80
Category 1 Stockpile Groundwater Containment System operation	14,400	3,115
Category 2/3 Waste Rock Stockpile lined mine water drainage	430	1,115
Category 2/3 Waste Rock Stockpile underdrain operation, if needed	50	185
Category 4 Waste Rock Stockpile lined mine water drainage	130	230
Category 4 Waste Rock Stockpile underdrain operation, if needed	25	40
Ore Surge Pile liner mine water drainage	80	255
Ore Surge Pile underdrain operation, if needed	25	85
Haul Roads, OSLA and RTH mine water runoff	470	795
Lined ponds, collected precipitation, (EQ Basins and Construction Mine Water Basin)	75	280
Miscellaneous construction dewatering	100	20
<b>Maximum Total Volume (MG)*</b>		<b>6,550</b>

\*Maximum Total Volume is Total Volume rounded up to nearest 25 MG. This is not an annual volume but a total maximum volume for the life of the project.

**Attachment B  
Initial Discharge Location for Individual Installations  
DNR Water Appropriation Permit 2016-1367**

Installation	Initial Discharge Location
Ore Surge Pile foundation, sumps, and overflow construction ponds	Construction Mine Water Basin or similar temporary basin at the Mine Site, or, if construction stormwater, off-site through the stormwater system (Partridge River Tributaries)
Construction of new buildings	FTB or, if construction stormwater, off-site through the stormwater system (Partridge River Tributaries)
Mine water pond construction	FTB or, if construction stormwater, off-site through the stormwater system (Partridge River Tributaries)
Stormwater pond construction	Construction Mine Water Basin or similar temporary basin at the Mine Site, or, if construction stormwater, off-site through the stormwater system (Partridge River Tributaries))
Category 4 Waste Rock Stockpile foundation, sumps and overflow ponds construction	Construction Mine Water Basin or similar temporary basin at the Mine Site, or, if construction stormwater, off-site through the stormwater system (Partridge River Tributaries)
Category 2/3 Waste Rock Stockpile foundation, sumps and overflow ponds construction	Construction Mine Water Basin or, if construction stormwater, off-site through the stormwater system (Partridge River Tributaries)
Category 1 Waste Rock stockpile foundation construction	Construction Mine Water Basin or similar temporary basin at the Mine Site, or, if construction stormwater, off-site through the stormwater system (Partridge River Tributaries)
Category 1 Stockpile Groundwater Containment System construction	Construction Mine Water Basin or similar temporary basin at the Mine Site, or, if construction stormwater, off-site through the stormwater system (Partridge River Tributaries)
Category 1 Stockpile Groundwater Containment System operation	Equalization Basin
Category 2/3 Waste Rock Stockpile lined mine water drainage	Equalization Basin
Category 2/3 Waste Rock Stockpile underdrain operation, if needed	Equalization Basin
Category 4 Waste Rock Stockpile lined mine water drainage	Equalization Basin
Category 4 Waste Rock Stockpile underdrain operation, if needed	Equalization Basin
Ore Surge Pile liner mine water drainage	Equalization Basin
Ore Surge Pile underdrain operation, if needed	Equalization Basin

**Attachment B  
Initial Discharge Location for Individual Installations  
DNR Water Appropriation Permit 2016-1367**

Installation	Initial Discharge Location
Haul Roads, OSLA and RTH mine water runoff	Equalization Basins, Construction Mine Water Basin, or the East Pit during pit filling
Lined ponds, collected precipitation, (EQ Basins and Construction Mine Water Basin)	FTB or WWTS
Miscellaneous construction dewatering	FTB or if construction stormwater, off-site through the stormwater system (Partridge River Tributaries)
Treated water may be discharged off-site to the following sites for augmentation:	<ul style="list-style-type: none"> <li>◦Second Creek UTMs X=565896 Y=5271955</li> <li>◦Trimble Creek #1 UTMs X=563983 Y=5275733</li> <li>◦Trimble Creek #2 UTMs X=564471 Y=5275791</li> <li>◦Trimble Creek #3 UTMs X=564857 Y=5276079</li> <li>◦Trimble Creek #4 UTMs X=565381 Y=5276076</li> <li>◦Trimble Creek #5 UTMs X=565918 Y=5276075</li> <li>◦Trimble Creek #6 UTMs X=566331 Y=5276044</li> <li>◦Trimble Creek #7 UTMs X=566818 Y=5276024</li> <li>◦Unnamed Creek #1 UTMs X=563404 Y=5274175</li> <li>◦Unnamed Creek #2 UTMs X=563388 Y=5275138</li> </ul>

PUBLIC COMMENT DRAFT





MINNESOTA DEPARTMENT OF NATURAL RESOURCES

**Permit Number**

**Draft Water Appropriation Permit**

**2016-1369**

**Project Name:**  
Poly Met Mining, Inc.

**County:**  
St. Louis

**Watershed:**  
St. Louis River

**Resource:**  
Groundwater;  
Surface Water;  
Dug Pit/Holding Pond:

**Purpose of Permit:**  
Mine Processing (excludes sand/gravel)

**Draft Authorized Action:**  
No actions are authorized in this document. No appropriation or use of water is authorized in this public comment draft, which has been prepared for the purposes of public review and input only. This document identifies proposed conditions that may apply to Poly Met Mining, Inc.'s application for a permit to withdraw up to 675 million gallons of water per year for mine processing (excludes sand/gravel).

Appropriation amounts shall be in accordance with maximum rates and total volumes specifically detailed in Attachment A of this Permit. The volumes and rates detailed in Attachment A shall not be exceeded.

Exact points of taking and number of installations will be variable over time. Prior to pumping Permittee shall notify DNR of exact location and number of installations. Maximum authorized pumping rate shall not be exceeded by the addition of installations.

Initial discharge locations shall be in accordance with those noted in Attachment B.

**Permittee:**  
POLY MET MINING, INC.  
CONTACT: KEARNEY, CHRISTIE, (218) 471-2163  
6500 CO RD 666  
PO BOX 475  
HOYT LAKES, MN 55750  
(218) 471-2150

**Authorized Agent:**  
N/A

**To Appropriate From:**  
Groundwater: Colby Lake pipeline upgrades by means of a portable pump at a rate not to exceed 300 gpm  
Point(s) of Taking  
UTM zone 15N, 564164m east, 5270131m north  
SWNE of Section 20, T59N, R14W

Groundwater: Flotation Tailings Basin (FTB) Seepage Containment System construction dewatering by means of a portable pump at a rate not to exceed 3350 gpm  
Point(s) of Taking

UTM zone 15N, 563596m east, 5273409m north  
SESW of Section 8, T59N, R14W

Surface Water: Hydrometallurgical Residue Facility (HRF) wick drain operation: by means of a portable pump at a rate not to exceed 2850 gpm

Point(s) of Taking

UTM zone 15N, 563868m east, 5273031m north  
NESW of Section 8, T59N, R14W

Dug Pit/Holding Pond: Hydrometallurgical Residue Facility (HRF) liner: by means of a portable pump at a rate not to exceed 250 gpm

Point(s) of Taking

UTM zone 15N, 563857m east, 5273039m north  
NESW of Section 8, T59N, R14W

Gravity Flow: Hydrometallurgical Residue Facility (HRF) wick drain operation: by means of gravity flow at a rate not to exceed 150 gpm

Point(s) of Taking

UTM zone 15N, 563868m east, 5273031m north  
NESW of Section 8, T59N, R14W

Groundwater: Construction dewatering: by means of a portable pump at a rate not to exceed 100 gpm

Point(s) of Taking

UTM zone 15N, 564554m east, 5272112m north  
NENE of Section 17, T59N, R14W

Groundwater: Sewage Treatment System construction dewatering: by means of a portable pump at a rate not to exceed 100 gpm

Point(s) of Taking

UTM zone 15N, 564023m east, 5271539m north  
SWNE of Section 17, T59N, R14W

Surface Water: Lined and concrete ponds (WWTS, Sewage Treatment, Plant Reservoir): by means of a stationary pump at a rate not to exceed 50 gpm

Point(s) of Taking

UTM zone 15N, 565055m east, 5272792m north  
NWSW of Section 9, T59N, R14W

**Authorized Issuer:                      Title:    Issued Date:    Effective Date:    Expiration Date:**

**PROPOSED CONDITIONS:**

**LIMITATIONS:** (a) Any violation of the terms and provisions of this permit and any appropriation of the waters of the state in excess of that authorized hereon shall constitute a violation of Minnesota Statutes, Chapter 103G. (b) This permit shall not be construed as establishing any priority of appropriation of waters of the state. (c) This permit is permissive only. No liability shall be imposed upon or incurred by the State of Minnesota or any of its employees, on account of the granting hereof or on account of any damage to any person or property resulting from any act or omission of the Permittee relating to any matter hereunder. This permit shall not be construed as estopping or limiting any legal claims or right of action of any person other than the state against the Permittee, for any damage or injury resulting from any such act or omission, or as estopping or limiting any legal claim or right of action of the state against the Permittee, for violation of or failure to comply with the provisions of the permit or applicable provisions of law. (d) In all cases where the doing by the Permittee of anything authorized by this permit shall involve the taking, using, or damaging of any property, rights or interests of any other person or persons, or of any publicly owned lands or improvements thereon or interests therein, the Permittee, before proceeding therewith, shall obtain the written consent of all persons, agencies, or authorities concerned, and shall acquire all property, rights, and interests necessary therefore. (e) This permit shall not release the Permittee from any other permit requirements or liability or obligation imposed by Minnesota Statutes, Federal Law, or local ordinances relating thereto and shall remain in force subject to all conditions and limitations now or hereafter imposed by law. (f) Unless explicitly specified, this permit does not authorize any alterations of the beds or banks of any public (protected) waters or wetlands. A separate permit must be obtained from the Department of Natural Resources prior to any such alteration.

**WATER USE REPORTING:** (a) **FLOW METER** The Permittee shall equip each installation for appropriating or using water with a flow meter, unless another method of measuring the quantity of water appropriated to within ten (10) percent of actual amount withdrawn is approved by the Department. (b) **REPORTS** Monthly records of the amount of water appropriated or used shall be recorded for each installation. Such readings and the total amount of water appropriated or used shall be reported annually to the Director of DNR Ecological and Water Resources, on or before February 15 of the following year, via the MNDNR Permitting and Reporting System (MPARS) at [www.mndnr.gov/mpars/signin](http://www.mndnr.gov/mpars/signin). Any processing fee required by law or rule shall be submitted with the records whether or not any water was appropriated during the year. Failure to report shall be sufficient cause for terminating the permit 30 days following written notice. (c) **TRANSFER OR ASSIGNMENT** Any transfer or assignment of rights, or sale of property involved hereunder shall be reported within 90 days thereafter to the Director of DNR Ecological and Water Resources. Such notice shall be made by the transferee (i.e., new owner) and shall state the intention to continue the appropriation as stated in the permit. This permit shall not be transferred or assigned except with the written consent of the Commissioner. (d) **MODIFICATION** The Permittee must notify the Commissioner in writing of any proposed changes to the existing permit. This permit shall not be modified without first obtaining the written permission from the Commissioner.

**COMMISSIONER'S AUTHORITY:** (a) The Commissioner may inspect any installation utilized for the appropriation or use of water. The Permittee shall grant access to the site at all reasonable times and shall supply such information concerning such installation as the Commissioner may require. (b) The Commissioner may, as he/she deems necessary, require the Permittee to install gages and/or observation wells to monitor the impact of the Permittee's appropriation on the water resource and require the Permittee to pay necessary costs of installation and maintenance. (c) The Commissioner may restrict, suspend, amend, or cancel this permit in accordance with applicable laws and rules for any cause for the protection of public interests, or for violation of the provisions of this permit.

**PUBLIC RECORD:** All data, facts, plans, maps, applications, annual water use reports, and any additional information submitted as part of this permit, and this permit itself are part of the public record and are available for public inspection at the offices of DNR Ecological and Water Resources. The information contained therein may be used by the Division as it deems necessary. The submission of false data, statements, reports, or any such additional information, at any time shall be deemed as just grounds for revocation of this permit.

**MONITORING REQUIREMENTS:** Minnesota Statutes 103G.282 authorizes the Department of Natural Resources to require permittees to install and maintain monitoring equipment to evaluate water resource impacts from permitted appropriations. You may be required to modify or install automated measuring devices and keep records for each installation. The frequency of measurements and other requirements will be based on quantity of water appropriated, source of water, potential connections to other water resources, nature of concern, and other relevant factors.

**DROUGHT PLANNING:** In accordance with M.S. 103G.293, all permits must be consistent with the drought response plan detailed in the Statewide Drought Plan at [http://files.dnr.state.mn.us/natural\\_resources/climate/drought/drought\\_plan\\_matrix.pdf](http://files.dnr.state.mn.us/natural_resources/climate/drought/drought_plan_matrix.pdf).

**WATER USE CONFLICT:** If notified by the DNR that a water use conflict is suspected and probable from your appropriation, based on confirmation of a formal well interference complaint or a preliminary hydrologic assessment, all appropriation authorized by this permit must cease immediately until the interference is resolved. The permittee may be required to obtain additional data to support the technical analysis, such as domestic well information within a radius of one and one-half miles of the production well. The permittee and impacted party may engage in a negotiated settlement process and there may be modifications made to this permit in support of conflict resolution.

**SUSPENSION:** The Department may require the suspension of appropriation during periods of low water in order to maintain minimum water levels within the basin/watercourse/watershed.

**CONTINGENCY:** If directed by DNR Ecological and Water Resources to cease pumping, the permittee agrees to withstand the results of no appropriation as stated in the contingency statement submitted with the application.

**INTAKE:** All pump intakes must be screened to prevent fish from being drawn into the system.

**INVASIVE SPECIES - EQUIPMENT DECONTAMINATION:** All equipment intended for use at a project site must be free of prohibited invasive species and aquatic plants prior to being transported into or within the state and placed into state waters. All equipment used in designated infested waters, shall be inspected by the Permittee or their authorized agent and adequately decontaminated prior to being transported from the worksite. The DNR is available to train inspectors and/or assist in these inspections. For more information refer to the "Best Practices for Preventing the Spread of Aquatic Invasive Species" at [http://files.dnr.state.mn.us/publications/ewr/invasives/ais/best\\_practices\\_for\\_prevention\\_ais.pdf](http://files.dnr.state.mn.us/publications/ewr/invasives/ais/best_practices_for_prevention_ais.pdf). Contact your regional Invasive Species Specialist for assistance at [www.mndnr.gov/invasives/contacts.html](http://www.mndnr.gov/invasives/contacts.html). A list of designated infested waters is available at [www.mndnr.gov/invasives/ais/infested.html](http://www.mndnr.gov/invasives/ais/infested.html). A list of prohibited invasive species is available at [www.mndnr.gov/eco/invasives/laws.html#prohibited](http://www.mndnr.gov/eco/invasives/laws.html#prohibited).

**INFESTED WATERS - WATER TREATMENT REQUIREMENTS:** Surface water appropriation from waters listed as containing invasive species (see [www.mndnr.gov/invasives/ais/infested.html](http://www.mndnr.gov/invasives/ais/infested.html)) are required to contact 651-259-5100 or 1-888-MINN-DNR to obtain information from the DNR Division of Ecological and Water Resources on specific invasive species water treatment requirements.

**WATER CONSERVATION:** All practical and feasible water conservation methods and practices must be employed to promote sound water management and use the least amount of water necessary, such as reuse and recycling water, water-saving devices, and water storage.

**DISCHARGE AUTHORIZATION:** This permit is valid only in conjunction with all required discharge authorizations from local, state, or federal government units.

**MONITORING PLAN:** Monitoring shall be done in accordance with the attached Monitoring Plan dated [date]. All data shall be reviewed annually in cooperation with the DNR and adjustments made to the monitoring requirements as appropriate. Changes to the Monitoring Plan shall be made through an amendment to this permit.

**QUALITY ASSURANCE PROJECT PLAN:** Monitoring procedures and reporting requirements shall be conducted in accordance with the attached Quality Assurance Project Plan (QAPP) dated [date].

**WATER MOVEMENT REPORTING:** Flow rates and total monthly volumes shall be reported for all water movement on-site or discharged off-site as listed in the attached Monitoring Plan. Instantaneous rates, when relevant, shall be recorded when the total monthly volumes (totalizer readings) are collected. This information will allow for the development of a comprehensive water balance, provide further data about past and current water uses and inform future water management decisions.

**PROCESS FLOW DIAGRAM - TEMPORARY IDLE:** Prior to initiation of a temporary idle that may last longer than six (6) months, Permittee shall submit an updated process flow diagram showing water movement on-site and off-site during the temporary idle. Permittee shall work with the DNR to evaluate the process flow diagram and determine additional data needs. Additional data collected shall be reported to the DNR. This Condition applies once a temporary idle lasts six months even if a shorter time frame was originally anticipated. All Conditions of this permit apply in the event of a temporary idle.

**WATER BALANCE MODEL - PLANNED COMPLETION OF MINING:** Two (2) years prior to planned completion of mining, Permittee shall update existing or, with DNR approval, develop new Mine Site and Plant Site water balance models to predict hydrologic equilibrium conditions after closure for submittal to the DNR. Permittee shall work with the DNR to evaluate the water balance models and determine if additional data is needed. If after this evaluation the DNR identifies additional data needs related to water balance modeling, Permittee must provide the additional data prior to closure.

**REQUIRED REPORTING:** The monitoring and reporting required by conditions of this permit are necessary to protect public health, safety and welfare pursuant to Minnesota Statutes 103G.297 and shall continue during periods of temporary idle, shutdown and/or bankruptcy unless otherwise specified by the DNR.

**WELL SEALING:** The permittee shall notify the Minnesota Department of Health prior to sealing, removing, covering, plugging or filling the well(s). The well(s) must be sealed by a licensed well driller and in accordance with the procedures required under Minnesota Statutes 103I and Minnesota Rules 4725 as administered by the Minnesota Department of Health. Prior to sealing any wells used solely for NPDES/SDS monitoring, Permittee and DNR shall determine if any of the wells shall be left unsealed and used for groundwater level monitoring.

**NEW WELL INSTALLATION:** Permittee shall provide the MN Unique Well Numbers, well logs, and any additional data collected during the installation process, for each new well that is installed for monitoring required by this permit.

**ADAPTIVE MANAGEMENT:** Should monitoring data and/or modeling results show unacceptable impacts to public health, to public safety, or to the public interests in lands and waters are being, or could potentially be, caused by the appropriation or use of water authorized under this permit, Permittee shall work with the DNR to develop and implement appropriate adaptive management or mitigation strategies. If the DNR concludes that adaptive management or other mitigation strategies are insufficient to remedy the unacceptable impacts, the DNR may cancel or suspend the permit in accordance with Minnesota Statutes 103G.297.

**STREAM AUGMENTATION:** Permittee shall augment streamflow in Trimble Creek, Unnamed Creek, Second Creek and Unnamed (Mud Lake) Creek to maintain the mean annual streamflow in each stream within  $\pm 20\%$  of existing conditions before the implementation of the tailings basin pumpback systems, which are short term mitigation measures under the Cliffs Erie Consent Decree. Adaptive management shall be required if monitoring results show that streamflow cannot be maintained within  $\pm 20\%$  of average annual tributary streamflow. Discharge from the Waste Water Treatment System (WWTS) for stream augmentation shall not exceed the new source performance standard (NSPS) defined by the NPDES/SDS permit, under authority of the MPCA, for the WWTS.

**EMBARRASS RIVER MODEL:** DNR will review data collected under the Monitoring Plan for this permit and determine if a hydrologic model needs to be created. If a model for the Embarrass River needs to be created Permittee shall develop a work plan for a hydrologic model and submit it to the DNR for evaluation and approval. Model results a subsequent model updates, if required, shall be submitted as specified in said work plan.

**MODEL UPDATES AND ASSESSMENT:** Permittee shall conduct ongoing modeling in accordance with the modeling work plan to be approved by the DNR. Permittee shall submit its model reports according to the schedules established in said work plan. This modeling will incorporate ongoing surface water and groundwater monitoring results obtained under this permit.

**TAILINGS BASIN ELEVATIONS AND VOLUMES:** Permittee shall develop one-foot contour elevation data and maps for the entire tailings basin and provide stage-area relationship data based on either survey information or aerial photography every other year. This data shall be reported to the DNR in the Permittee's annual report in accordance with the QAPP dated [date].

**STREAM ICE MONITORING:** If discharges become intermittent or are initiated during freezing months, Permittee shall develop an ice monitoring plan and submit to DNR for approval and shall monitor in accordance with approved plan.

**RIGHT TO APPROPRIATE:** This permit is valid only as long as the Permittee has ownership, control of, or a license to use the land overlying the groundwater source or abutting the surface water source from which the water will be appropriated.

**TERM OF PERMIT:** The term of this permit shall end in the event that the Permittee fails to appropriate and use water under this permit for a continuous period of ten (10) years. In such event, the Permittee shall be deemed to have abandoned any right to use and appropriate water under this permit and the permit shall be terminated, unless the DNR extends the term of the permit in writing upon good cause shown by the Permittee.

PUBLIC COMMENT DRAFT

**Attachment A  
Maximum Rates and Volumes by Individual Installation  
DNR Water Appropriation Permit 2016-1369**

<b>Installation</b>	<b>Maximum Daily Rate (gpm)</b>	<b>Total Volume (MG)</b>
Flotation Tailings Basin (FTB) Seepage Containment System construction dewatering	3350	295
Sewage Treatment System construction dewatering	100	5
Hydrometallurgical Residue Facility (HRF) construction dewatering, if needed	2850	125
Hydrometallurgical Residue Facility (HRF) wick drain operation, if needed	150	30
Hydrometallurgical Residue Facility (HRF) liner	250	810
Lined and concrete ponds (WWTS, Sewage Treatment, Plant Reservoir)	50	165
Colby Lake pipeline upgrades (construction dewatering)	300	15
Miscellaneous construction dewatering	100	15
<b>Maximum Total Volume (MG)*</b>		<b>1475</b>

\*Maximum Total Volume is Total Volume rounded up to nearest 25 MG. This is not an annual volume but a total maximum volume for the life of the project.

**Attachment B  
Initial Discharge Location for Individual Installations  
DNR Water Appropriation Permit 2016-1369**

Installation	Initial Discharge Location
Flotation Tailings Basin (FTB) Seepage Containment System construction dewatering	FTB or off-site to the Embarrass River tributaries
Sewage Treatment System construction dewatering	Off-site via the stormwater system (Second Creek)
Hydrometallurgical Residue Facility (HRF) construction dewatering, if needed	Off-site via the stormwater system (Embarrass River tributaries or Second Creek)
Hydrometallurgical Residue Facility (HRF) wick drain operation, if needed	FTB Seepage Containment System
Hydrometallurgical Residue Facility (HRF) liner (collected precipitation)	Hydrometallurgical Plant
Plant Reservoir	Hydrometallurgical Plant, Beneficiation Plant, FTB, Potable Water Treatment Plant, Fire Water System, dust control, air emission control scrubber system, or miscellaneous Project water needs for construction and operations
Lined and concrete ponds, collected precipitation (WWTS, Sewage Treatment)	FTB or as treated water to the Embarrass River tributaries or Second Creek
Colby Lake pipeline upgrades (construction dewatering)	Off-site to Partridge River tributaries
Miscellaneous construction dewatering	Off-site via the stormwater system (Second Creek)
Treated water may be discharged off-site to the following sites for augmentation:	<ul style="list-style-type: none"> <li>◦Second Creek UTMs X=565896 Y=5271955</li> <li>◦Trimble Creek #1 UTMs X=563983 Y=5275733</li> <li>◦Trimble Creek #2 UTMs X=564471 Y=5275791</li> <li>◦Trimble Creek #3 UTMs X=564857 Y=5276079</li> <li>◦Trimble Creek #4 UTMs X=565381 Y=5276076</li> <li>◦Trimble Creek #5 UTMs X=565918 Y=5276075</li> <li>◦Trimble Creek #6 UTMs X=566331 Y=5276044</li> <li>◦Trimble Creek #7 UTMs X=566818 Y=5276024</li> <li>◦Unnamed Creek #1 UTMs X=563404 Y=5274175</li> <li>◦Unnamed Creek #2 UTMs X=563388 Y=5275138</li> </ul>





MINNESOTA DEPARTMENT OF NATURAL RESOURCES

# Draft Water Appropriation Permit

**Permit Number**  
**2017-0260**

<b>Project Name:</b> Poly Met Mining, Inc.	<b>County:</b> St. Louis	<b>Watershed:</b> St. Louis River	<b>Resource:</b> Lake: Colby (69024900); Dug Pit/Holding Pond
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**Purpose of Permit:**  
Mine Processing (excludes sand/gravel)

**Draft Authorized Action:**  
No actions are authorized in this document. No appropriation or use of water is authorized in this public comment draft, which has been prepared for the purposes of public review and input only. This document identifies proposed conditions that may apply to Poly Met Mining, Inc.'s application for a permit to withdraw up to 1800 million gallons per year for mine processing (excludes sand/gravel).

Total pumping rate for Pump #1 and Pump #2 combined not to exceed 3400 gpm.

Discharge locations shall be in accordance with Attachment A.

**Permittee:**  
POLY MET MINING, INC.  
CONTACT: KEARNEY, CHRISTIE, (218) 471-2163  
6500 CO RD 666  
PO BOX 475  
HOYT LAKES, MN 55750  
(218) 471-2150

**Authorized Agent:**  
N/A

**To Appropriate From:**  
Lake: Colby (69024900): by means of a stationary pump at a rate not to exceed 3400 gpm  
Point(s) of Taking  
UTM zone 15N, 563323m east, 5264837m north  
SESE of Section 6, T58N, R14W

Lake: Colby (69024900): by means of a stationary pump at a rate not to exceed 3400 gpm  
Point(s) of Taking  
UTM zone 15N, 563325m east, 5264838m north  
SESE of Section 6, T58N, R14W

Gravity Flow:  
Point(s) of Taking  
UTM zone 15N, 564937m east, 5272403m north  
SWSW of Section 9, T59N, R14W

**Authorized Issuer:                      Title:                      Issued Date:    Effective Date:    Expiration Date:**

**PROPOSED CONDITIONS:**

**LIMITATIONS:** (a) Any violation of the terms and provisions of this permit and any appropriation of the waters of the state in excess of that authorized hereon shall constitute a violation of Minnesota Statutes, Chapter 103G. (b) This permit shall not be construed as establishing any priority of appropriation of waters of the state. (c) This permit is permissive only. No liability shall be imposed upon or incurred by the State of Minnesota or any of its employees, on account of the granting hereof or on account of any damage to any person or property resulting from any act or omission of the Permittee relating to any matter hereunder. This permit shall not be construed as estopping or limiting any legal claims or right of action of any person other than the state against the Permittee, for any damage or injury resulting from any such act or omission, or as estopping or limiting any legal claim or right of action of the state against the Permittee, for violation of or failure to comply with the provisions of the permit or applicable provisions of law. (d) In all cases where the doing by the Permittee of anything authorized by this permit shall involve the taking, using, or damaging of any property, rights or interests of any other person or persons, or of any publicly owned lands or improvements thereon or interests therein, the Permittee, before proceeding therewith, shall obtain the written consent of all persons, agencies, or authorities concerned, and shall acquire all property, rights, and interests necessary therefore. (e) This permit shall not release the Permittee from any other permit requirements or liability or obligation imposed by Minnesota Statutes, Federal Law, or local ordinances relating thereto and shall remain in force subject to all conditions and limitations now or hereafter imposed by law. (f) Unless explicitly specified, this permit does not authorize any alterations of the beds or banks of any public (protected) waters or wetlands. A separate permit must be obtained from the Department of Natural Resources prior to any such alteration.

**WATER USE REPORTING:** (a) **FLOW METER** The Permittee shall equip each installation for appropriating or using water with a flow meter, unless another method of measuring the quantity of water appropriated to within ten (10) percent of actual amount withdrawn is approved by the Department. (b) **REPORTS** Monthly records of the amount of water appropriated or used shall be recorded for each installation. Such readings and the total amount of water appropriated or used shall be reported annually to the Director of DNR Ecological and Water Resources, on or before February 15 of the following year, via the MNDNR Permitting and Reporting System (MPARS) at [www.mndnr.gov/mpars/signin](http://www.mndnr.gov/mpars/signin). Any processing fee required by law or rule shall be submitted with the records whether or not any water was appropriated during the year. Failure to report shall be sufficient cause for terminating the permit 30 days following written notice. (c) **TRANSFER OR ASSIGNMENT** Any transfer or assignment of rights, or sale of property involved hereunder shall be reported within 90 days thereafter to the Director of DNR Ecological and Water Resources. Such notice shall be made by the transferee (i.e., new owner) and shall state the intention to continue the appropriation as stated in the permit. This permit shall not be transferred or assigned except with the written consent of the Commissioner. (d) **MODIFICATION** The Permittee must notify the Commissioner in writing of any proposed changes to the existing permit. This permit shall not be modified without first obtaining the written permission from the Commissioner.

**COMMISSIONER'S AUTHORITY:** (a) The Commissioner may inspect any installation utilized for the appropriation or use of water. The Permittee shall grant access to the site at all reasonable times and shall supply such information concerning such installation as the Commissioner may require. (b) The Commissioner may, as he/she deems necessary, require the Permittee to install gages and/or observation wells to monitor the impact of the Permittee's appropriation on the water resource and require the Permittee to pay necessary costs of installation and maintenance. (c) The Commissioner may restrict, suspend, amend, or cancel this permit in accordance with applicable laws and rules for any cause for the protection of public interests, or for violation of the provisions of this permit.

**PUBLIC RECORD:** All data, facts, plans, maps, applications, annual water use reports, and any additional information submitted as part of this permit, and this permit itself are part of the public record and are available for public inspection at the offices of DNR Ecological and Water Resources. The information contained therein may be used by the Division as it deems necessary. The submission of false data, statements, reports, or any such additional information, at any time shall be deemed as just grounds for revocation of this permit.

**MONITORING REQUIREMENTS:** Minnesota Statutes 103G.282 authorizes the Department of Natural Resources to require permittees to install and maintain monitoring equipment to evaluate water resource impacts from permitted appropriations. You may be required to modify or install automated measuring devices and keep records for each installation. The frequency of measurements and other requirements will be based on quantity of water appropriated, source of water, potential connections to other water resources, nature of concern, and other relevant factors.

**DROUGHT PLANNING:** In accordance with M.S. 103G.293, all permits must be consistent with the drought response plan detailed in the Statewide Drought Plan at [http://files.dnr.state.mn.us/natural\\_resources/climate/drought/drought\\_plan\\_matrix.pdf](http://files.dnr.state.mn.us/natural_resources/climate/drought/drought_plan_matrix.pdf).

**WATER USE CONFLICT:** If notified by the DNR that a water use conflict is suspected and probable from your appropriation, based on confirmation of a formal well interference complaint or a preliminary hydrologic assessment, all appropriation authorized by this permit must cease immediately until the interference is resolved. The permittee may be required to obtain additional data to support the technical analysis, such as domestic well information within a radius of one and one-half miles of the production well. The permittee and impacted party may engage in a negotiated settlement process and there may be modifications made to this permit in support of conflict resolution.

**SUSPENSION:** The Department may require the suspension of appropriation during periods of low water in order to maintain minimum water levels within the basin/watercourse/watershed.

**CONTINGENCY:** If directed by DNR Ecological and Water Resources to cease pumping, the permittee agrees to withstand the results of no appropriation as stated in the contingency statement submitted with the application.

**INTAKE:** All pump intakes must be screened to prevent fish from being drawn into the system.

**INVASIVE SPECIES - EQUIPMENT DECONTAMINATION:** All equipment intended for use at a project site must be free of prohibited invasive species and aquatic plants prior to being transported into or within the state and placed into state waters. All equipment used in designated infested waters, shall be inspected by the Permittee or their authorized agent and adequately decontaminated prior to being transported from the worksite. The DNR is available to train inspectors and/or assist in these inspections. For more information refer to the "Best Practices for Preventing the Spread of Aquatic Invasive Species" at [http://files.dnr.state.mn.us/publications/ewr/invasives/ais/best\\_practices\\_for\\_prevention\\_ais.pdf](http://files.dnr.state.mn.us/publications/ewr/invasives/ais/best_practices_for_prevention_ais.pdf). Contact your regional Invasive Species Specialist for assistance at [www.mndnr.gov/invasives/contacts.html](http://www.mndnr.gov/invasives/contacts.html). A list of designated infested waters is available at [www.mndnr.gov/invasives/ais/infested.html](http://www.mndnr.gov/invasives/ais/infested.html). A list of prohibited invasive species is available at [www.mndnr.gov/eco/invasives/laws.html#prohibited](http://www.mndnr.gov/eco/invasives/laws.html#prohibited).

**INFESTED WATERS - WATER TREATMENT REQUIREMENTS:** Surface water appropriation from waters listed as containing invasive species (see [www.mndnr.gov/invasives/ais/infested.html](http://www.mndnr.gov/invasives/ais/infested.html)) are required to contact 651-259-5100 or 1-888-MINN-DNR to obtain information from the DNR Division of Ecological and Water Resources on specific invasive species water treatment requirements.

**WATER CONSERVATION:** All practical and feasible water conservation methods and practices must be employed to promote sound water management and use the least amount of water necessary, such as reuse and recycling water, water-saving devices, and water storage.

**DISCHARGE AUTHORIZATION:** This permit is valid only in conjunction with all required discharge authorizations from local, state, or federal government units.

**MONITORING PLAN:** Monitoring shall be done in accordance with the attached Monitoring Plan dated [date]. All data shall be reviewed annually in cooperation with the DNR and adjustments made to the monitoring requirements as appropriate. Changes to the Monitoring Plan shall be made through an amendment to this permit.

**QUALITY ASSURANCE PROJECT PLAN:** Monitoring procedures and reporting requirements shall be conducted in accordance with the attached Quality Assurance Project Plan (QAPP) dated [date].

**WATER MOVEMENT REPORTING:** Flow rates and total monthly volumes shall be reported for all water movement on-site or discharged off-site as listed in the attached Monitoring Plan. Instantaneous rates, when relevant, shall be recorded when the total monthly volumes (totalizer readings) are collected. This information will allow for the development of a comprehensive water balance, provide further data about past and current water uses and inform future water management decisions.

**PROCESS FLOW DIAGRAM - TEMPORARY IDLE:** Prior to initiation of a temporary idle that may last longer than six (6) months, Permittee shall submit an updated process flow diagram showing water movement on-site and off-site during the temporary idle. Permittee shall work with the DNR to evaluate the process flow diagram and determine additional data needs. Additional data collected shall be reported to the DNR. This Condition applies once a temporary idle lasts six months even if a shorter time frame was originally anticipated. All Conditions of this permit apply in the event of a temporary idle.

**REQUIRED REPORTING:** The monitoring and reporting required by conditions of this permit are necessary to protect public health, safety and welfare pursuant to Minnesota Statutes 103G.297 and shall continue during periods of temporary idle, shutdown and/or bankruptcy unless otherwise specified by the DNR.

**COLBY LAKE AND WHITEWATER RESERVOIR WATER MANAGEMENT PLAN:** Permittee must develop a Water Management Plan for operation of the diversion works structure and management of water levels in Colby Lake and Whitewater Reservoir. The Water Management Plan must be developed in consultation with the Permittees of Water Appropriation Permit 1949-0135. The Water Management Plan must meet all Conditions of the present permit. The DNR must approve the Water Management Plan prior to any appropriation from Colby Lake under this permit.

**HOYT LAKES MUNICIPAL WATER SUPPLY:** Should monitoring data from Permittee or the City of Hoyt Lakes show appropriations under this permit are interfering or conflicting with the City's municipal water supply, Permittee shall work with the DNR to develop and implement a mitigation plan in accordance with applicable legal requirements. Appropriations under this permit shall be reduced in the event of an unremedied interference or conflict with the City's municipal water supply.

**COLBY LAKE AND WHITEWATER RESERVOIR WATER LEVEL REQUIREMENTS:** Unless modified in writing by the DNR, the following water level requirements apply to appropriations of water under this permit. The Permittee may transfer water from Colby Lake into Whitewater Reservoir, except that no such transfer is permitted when the water elevation in Colby Lake is below 1439 ft msl or the water elevation in Whitewater Reservoir is above 1442 ft msl. If the water elevation of Colby Lake is below 1439 ft msl, Permittee may only pump water from Colby Lake if water is being transferred at an equal or higher rate from Whitewater Reservoir to Colby Lake. The Permittee may transfer water from Whitewater Reservoir to Colby Lake when the water elevation of Whitewater Reservoir exceeds 1410 ft msl. All elevations in NGVD29 datum. Mechanisms to ensure compliance with these water level requirements shall be included in the Colby Lake and Whitewater Reservoir Management Plan.

**MAXIMUM COMBINED APPROPRIATION WITH PERMIT 1949-0135:** At no point may total appropriations under this permit combined with appropriations under Permit 1949-0135 exceed the withdrawal capacity of 6,314 million gallons per year, which is the amount reported by Minnesota in December 2008 as a baseline water-use amount under Section 4.12 of the Great Lakes-St. Lawrence River Basin Water Resources Compact. Mechanisms to ensure compliance with this condition shall be included in the Colby Lake and Whitewater Reservoir Water Management Plan.

**RIGHT TO APPROPRIATE:** This permit is valid only as long as the Permittee has ownership, control of, or a license to use the land overlying the groundwater source or abutting the surface water source from which the water will be appropriated.

**TERM OF PERMIT:** The term of this permit shall end in the event that the Permittee fails to appropriate and use water under this permit for a continuous period of ten (10) years. In such event, the Permittee shall be deemed to have abandoned any right to use and appropriate water under this permit and the permit shall be terminated, unless the DNR extends the term of the permit in writing upon good cause shown by the Permittee.

**Attachment A  
Initial Discharge Location for Individual Installations  
DNR Water Appropriation Permit 2017-0260**

Installation	Initial Discharge Location
Colby Lake	Plant Reservoir
Plant Reservoir	Hydrometallurgical Plant; Beneficiation Plant; FTB; Potable Water Treatment Plant; Fire Water System; dust control; emission control scrubber system; miscellaneous Project water needs for construction and operations
Treated water may be discharged to the following sites for augmentation:	<ul style="list-style-type: none"> <li>◦Second Creek UTMs X=565896 Y=5271955</li> <li>◦Trimble Creek #1 UTMs X=563983 Y=5275733</li> <li>◦Trimble Creek #2 UTMs X=564471 Y=5275791</li> <li>◦Trimble Creek #3 UTMs X=564857 Y=5276079</li> <li>◦Trimble Creek #4 UTMs X=565381 Y=5276076</li> <li>◦Trimble Creek #5 UTMs X=565918 Y=5276075</li> <li>◦Trimble Creek #6 UTMs X=566331 Y=5276044</li> <li>◦Trimble Creek #7 UTMs X=566818 Y=5276024</li> <li>◦Unnamed Creek #1 UTMs X=563404 Y=5274175</li> <li>◦Unnamed Creek #2 UTMs X=563388 Y=5275138</li> </ul>

PUBLIC COMMENT DRAFT