CERTIFIED MAIL - RETURN RECEIPT REQUESTED

January 13, 2026

Randy Ellison, General Manager
Freeport-McMoRan Tyrone Inc.
P.O. Box 571
Bayard, NM 88065

RE: Draft Discharge Permit Renewal, DP-286; 3A Leach Stockpile,3B and 5A Waste Rock Stockpiles, and Reclaimed Mill Site, Freeport-McMoRan Tyrone Inc.

Dear Randy Ellison:

Notice is hereby given pursuant to Subsection H of 20.6.2.3108 NMAC that the Ground Water Discharge Permit Renewal of the existing Discharge Permit 286 (Discharge Permit or DP-286): 3A Leach Stockpile, 3B and 5A Waste Rock Stockpiles, and Reclaimed Mill Site, issued to Freeport-McMoRan Tyrone Mine Inc. (Applicant), has been proposed for approval (copy enclosed). The New Mexico Environment Department (NMED) Ground Water Quality Bureau (GWQB) will publish notice of the availability of the draft Discharge Permit Renewal in the near future and will forward a copy of the notice to you.

Prior to making a final ruling on the proposed DP-286 Discharge Permit Renewal, NMED will allow 30 days from the date of the public notice is published, during which time written comments can be submitted or a public hearing requested. Comments and/or request for a public hearing may be submitted by any interested person of the Applicant. Written comments of hearing requests maybe be submitted to the GWQB either by utilizing the SmartComment portal at https://nmed.commentinput.com/comment/search or by email to david.hays@env.nm.gov or mecs.general@env.nm.gov. Hearing requests shall set forth the reasons why a hearing should be held. A hearing will be held only if hearing requests are received from the public or the Applicant during the 30-day comment period and NMED determines there is substantial public interest regarding the proposed DP-286 Discharge Permit Renewal. Hearings are presided over by the NMED Secretary, or a hearing officer appointed by the Secretary.

NMED has imposed additional conditions on the Renewal of DP-286 that are not requirements of the Copper Mine Rule (20.6.7 NMAC), and are not conditions that can be pulled forward from the existing DP-286 in accordance with Paragraph (2) of 20.6.7.20.B NMAC (leach stockpiles), Paragraph (2) of 20.6.7.21.C NMAC (waste rock stockpiles), Paragraph (2) of 20.6.7.22.B NMAC (copper crushing, milling, concentrator, smelting and tailing impoundments), and Paragraph (2) of 20.6.7.23.B NMAC (pipelines and tanks). Pursuant to Subsection I of 20.6.7.10 NMAC, NMED is providing the following written explanations of the reasons for the additional conditions.

1. Condition C105.B: The reason for this condition is to ensure that all stormwater impoundments, conveyance channels, and collection ponds are inspected after one inch rainfall events to maintain their integrity and function in a manner that is protective of groundwater quality.

2. Condition C106.B: The reason for this condition is to ensure the sources of water used for dust suppression on any conditionally exempt mine units meet water quality standards set forth in Section 20.6.2.1303 NMAC to reduce the risk of contamination to ground or surface water.

3. Condition C108.B – The reason for this condition is to ensure the requirements to analyze samples for total and dissolved concentrations, which is allowable under section 20.6.2.3103 NMAC in instances when the "secretary determines that there is reasonable probability of facilitated contaminant transport by colloids or organic macromolecules." Please note that Sections 20.6.2.3000 through 20.6.2.3114 NMAC apply to discharges specific to copper mine facilities and their operations.

4. Condition C108.C – The reason for this condition is to require that the Applicant maintain consistent monitoring submittals that align with current DP-286 Discharge Permit monitoring practices, including submittal of monitoring reports in both electronic and hard copy format.

5. Condition D105.A: The reason for this condition is to ensure that the Applicant submits proper notification prior to destruction or removal of any monitoring wells required under DP-286.

6. Condition D105.B: The reason for this condition is to ensure that the Applicant submits consistent information supporting requests to plug and abandon monitoring wells.

7. Condition D106.A: The reason for this condition is to ensure that the Applicant properly notifies NMED in the event of any, and all unauthorized discharges so that a

determination of applicable reporting requirements can be made pursuant to Section 20.6.2.1203 NMAC and Subsection G of 20.6.7.30 NMAC. Please note that Sections 20.6.2.3000 through 20.6.2.3114 NMAC apply to discharges specific to copper mine facilities and their operations.

8. Condition D106.B: The reason for this condition is to ensure that the Permittee properly submits spill location information and to fulfill location information specified by Subparagraph (c) of 20.6.2.1203.A(1) NMAC. Due to complex and ever-changing geography at mine sites, it is important for the Applicant to provide accurate and consistent spill location information, including location coordinates and/or maps/figures when requested, for proper determination of applicable spill reporting requirements. Please note that Sections 20.6.2.3000 through 20.6.2.3114 NMAC apply to discharges specific to copper mine facilities and their operations.

9. Condition D107.D – The reason for this condition is to assert NMED authority to require that the Applicant modify DP-363 should NMED determine that the requirements of 20.6.2 NMAC are being or may be violated, or the water quality standards of Section 20.6.2.3103 NMAC are being or may be violated.

Please review the enclosed draft DP-286 Discharge Permit Renewal carefully for accuracy and completeness, and to make sure you understand what it requires. Please be aware that the proposed DP-286 Discharge Permit Renewal may contain conditions that require the Applicant to implement operational, monitoring, or closure actions by a specified deadline. The Water Quality Control Commission (WQCC) Regulations, 20.6.2 NMAC and 20.6.7 NMAC, are available online at https://www.env.nm.gov/gwqb/gw-regulations.

Any comments relating to this draft DP-286 Discharge Permit Renewal can be sent through the SmartComment portal at https://nmed.commentinput.com/comment/search or by email to david.hays@env.nm.gov or mecs.general@env.nm.gov. If written comments or a written request for a hearing is not received during the public comment period, the draft DP-286 Discharge Permit Renewal will become final. Thank you for your cooperation during the review process.

Sincerely,

David Hays Digitally signed by David Hays
Date: 2026.01.13 13:38:53 -07'00'

David Hays
Water Resources Professional
Ground Water Quality Bureau

DH:DH

Enclosure: Draft Discharge Permit Renewal, DP-286

Cc: Sherry Burt-Kested, Freeport McMoRan Tyrone Inc. (sburtkes@fmi.com)
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GROUND WATER QUALITY BUREAU (GWQB)
DISCHARGE PERMIT RENEWAL
EXISTING COPPER MINE FACILITY
Issued under 20.6.2 and 20.6.7 NMAC

Certified Mail No:
Return Receipt Requested

Mine Facility Name:	3A Leach Stockpile, 3B and 5A Waste Rock Stockpiles and Reclaimed Mill Site
GWQB Discharge Permit No.:	DP-286
GWQB TEMPO AI No.:	527
Permittee Name/Responsible Party:	Freeport-McMoRan Tyrone Inc.
Mailing Address:	P.O. Drawer 571 Tyrone, NM 88065
Mine Facility Contact:	Adam Offutt (575) 912-5809
Mine Facility Location:	Highway 90 South Tyrone Mine Road Tyrone, NM 88065
County:	Grant County
Permitting Action:	Renewal
Renewal Effective Date:	DATE
Renewal Expiration Date:	DATE
NMED Permit Contact:	David Hays; (505) 469-8722
E-mail Address:	David.Hays@env.nm.gov Or: *mecs.general@env.nm.gov*

Justin Ball
Chief, Ground Water Quality Bureau
Water Protection Division

Date

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Part A GENERAL INFORMATION

A100 Introduction

A. The New Mexico Environment Department (NMED) issues this Discharge Permit Renewal, DP-286 (Discharge Permit) to Freeport-McMoRan Tyrone Inc. (Permittee) pursuant to the New Mexico Water Quality Act (WQA), NMSA 1978, §§ 74-6-1 through 74-6-17, and the New Mexico Water Quality Control Commission (WQCC) Regulations, Part 20.6.2 (Ground and Surface Water Protection) and 20.6.7 New Mexico Administrative Code (NMAC) Ground Water Protection – Supplemental Permitting Requirements for Copper Mine Facilities (the Copper Mine Rule). NMED is issuing this Discharge Permit to control the discharge of water contaminants from the 3A Leach Stockpile, 3B and 5A Waste Rock Stockpiles, Reclaimed Mill Site, and associated facilities for the protection of groundwater and those segments of surface water gaining from groundwater inflow, for present and potential future use as domestic and agricultural water supply and other uses, and to protect public health.

B. Pursuant to this Discharge Permit the Permittee is authorized to discharge up to 23,000,000 gallons per day (gpd) of acidic leach solutions (raffinate) to the 3A Leach Stockpile for the purpose of leaching copper. In addition, impacted stormwater and leachate from the waste rock stockpiles and other areas within DP-286 are regulated pursuant to this Discharge Permit. This discharge may move directly or indirectly into groundwater of the State of New Mexico which has an existing concentration of 10,000 milligrams per liter (mg/L) or less of total dissolved solids (TDS) within the meaning of Section 20.6.2.3104 and Subsection A of 20.6.2.3101 NMAC. The discharges may contain water contaminants or toxic pollutants elevated above the water quality standards of Section 20.6.2.3103 NMAC in compliance with the terms and conditions of this Discharge Permit.

C. The Permittee is authorized to discharge water contaminants pursuant to this Discharge Permit which requires compliance with 20.6.2 NMAC and 20.6.7 NMAC and is enforceable by NMED.

A101 Applicable Regulations

A. The Permittee is discharging from a facility that meets the definition of "existing copper mine facility." Sections 20.6.2.3000 through 20.6.2.3114 NMAC and Part 20.6.7 NMAC apply to discharges specific to copper mine facilities and their operations.

B. The discharge from the facilities regulated pursuant to this Discharge Permit are not subject to any of the exemptions of Section 20.6.2.3105 NMAC.

C. Groundwater quality as observed in monitoring wells required by C109.B of this Discharge Permit and consistent with Subsection B of 20.6.7.28 NMAC is subject to the criteria of Sections 20.6.2.3101 and 20.6.2.3103 NMAC except those excluded pursuant to Subsection D of 20.6.7.24 NMAC and unless otherwise specified in this Discharge Permit.

A102 Permit Duration

A. Pursuant NMSA 1978 § 74-6-5(I) and Subsection H of 20.6.2.3109 NMAC, the term of this Discharge Permit Renewal is **five (5) years** from the effective date.

B. If the Permittee submits an application for renewal in accordance with Subsection G of 20.6.2.3106 NMAC, and the Permittee is not in violation of the discharge permit on the date of its expiration, then the existing Discharge Permit shall not expire until NMED approves or disapproves the application for renewal

A103 Terms of Permit Issuance

A. Permit Fees - As a discharge permit associated with Freeport-McMoRan Tyrone Inc., Tyrone Mine copper mine facility, the Permittee shall remit an annual permit fee payment equal to the applicable permit fee based on mine size listed in Subsection A of 20.6.7.9 NMAC on August 1 of each year until termination of all discharge permits for Freeport-McMoRan Tyrone Inc., Tyrone Mine [Subsection A of 20.6.7.9 NMAC]

B. Transfer of Discharge Permit - Prior to the transfer of any ownership, control, or possession of this permitted facility or any portion thereof, the Permittee shall notify the proposed transferee in writing of the existence of this Discharge Permit and include a copy of this Discharge Permit with the notice. The Permittee shall deliver or send by certified mail to NMED a copy of the notification and proof that such notification has been received by the proposed transferee. [20.6.7.38 NMAC and 20.6.2.3111 NMAC]

C. Permit Renewal – To renew this Discharge Permit, the Permittee shall submit an application and associated fees for renewal at least 270 days prior to the expiration date of this Discharge Permit (by DATE) in accordance with Sections 20.6.7.9, 20.6.7.10, and 20.6.7.11 NMAC.

D. Additional Conditions – In addition to the requirements of 20.6.7 NMAC, the Permittee shall comply with the following additional conditions as authorized by Subsection I of 20.6.7.10 NMAC pursuant to WQA 74-6-5: Condition C105.B, Condition C106.B, Condition C108.B, Condition C108.C, Condition D105.A. Condition D105.B, Condition D106.B, and Condition D107.D.

Part B FACILITY SPECIFIC INFORMATION

B100 History and Facility Description

A. The Tyrone Mine is an open pit copper mine facility owned by Freeport-McMoRan Tyrone Inc. that covers an area of approximately 13,900 acres. The Tyrone mine consists of several open pits, associated waste rock stockpiles, leach stockpiles, collections of the mine, six reclaimed tailing impoundments in the northern portion of the mine, as well as other reclaimed facilities. The Tyrone Mine is regulated pursuant to multiple operational groundwater discharge permits, including DP-286, the Supplemental Discharge Permit for Closure DP-1341, and an abatement plan.

B. The mine units regulated pursuant to DP-286 that produce discharges that may move directly or indirectly into groundwater are the 3A Leach Stockpile, 3B and 5A Waste Rock Stockpiles, the Reclaimed Mill Site, No. 3 PLS Collection Pond, No. 3 PLS Overflow Pond, Plant Oxidation Pond Effluent (POPE) Ponds, Spill Prevention Control and Countermeasure (SPCC) Pond, and the two 10 Canyon Fiberglass Tanks. Also included are the Light Vehicle Truck Wash, Power Plant, Heavy Equipment Truck Shop, and the Heavy Equipment Wash Rack. The associated infrastructure includes reservoirs, impoundments, pregnant leach solution (PLS) collection units, sumps, tanks, booster stations, and pipelines. The DP-286 permit area currently covers approximately 1037 acres.

C. Placement of ore on the 3A Leach Stockpile for leaching began in 1985, and leaching began in 1986. The leach stockpile is leached through the application of raffinate which is discharged onto the stockpile surfaces and allowed to percolate through the ore material. The raffinate removes metals from the ore as it passes through the stockpile, and the copper-laden PLS is collected and pumped to the No. 3 PLS Pond and from there to the SX/EW plant where the entrained copper is removed by an electroplating process. PLS has a total dissolved solids (TDS) concentration of approximately 90,000 mg/L.

D. The Permittee utilizes flow meters to measure regulated discharge volumes pursuant to this Discharge Permit and as required by the Copper Mine Rule. Flow meters utilized by DP-286 are described in Table 10 of the Tyrone Master Document (TMD). A revision to Table 10, dated December 6, 2024, is included in the Discharge Plan.

B101 Permitting History

A. The Discharge Plan for DP-286 includes the Discharge Permit Renewal Application dated June 9, 2023, the Facility Monitoring Plan dated May 10, 2024, the Revised Sampling and Analysis Plan dated September 2, 2016, and materials contained in the administrative record prior to issuance of this Discharge Permit. As part of the application process, the Permittee also provided a

document dated May 12, 2023, referred to as the Tyrone Master Document (TMD), which addresses Copper Mine Rule application requirements and is applicable to all Tyrone Mine discharge permits, including DP-286. In addition, the Discharge Plan for DP-286 includes applicable information and materials submitted as part of the original Discharge Plan approved on January 24, 1985, renewed on January 24, 1990, renewed on January 24, 1995, renewed and modified on February 26, 2010, renewed on March 8, 2019, and amended on January 27, 2025, and August 22, 2025.

B102 Facility Location, Groundwater and Process Water Characteristics

A. The mine units regulated pursuant to DP-286 are located approximately 10 miles southwest of Silver City at the Tyrone Mine in Sections 10, 11, 13, 14, 15, 23 and 24, T19S, R15W, Grant County, New Mexico.

B. Groundwater beneath the mine units regulated pursuant to DP-286 ranges from approximately 20 to 50 feet beneath the ground surface in the alluvial aquifer and 100 to 300 feet beneath the ground surface in the regional aquifer. Groundwater had a pre-discharge total dissolved solids concentration range of approximately 100 to 500 milligrams per liter.

C. Process water and impacted stormwater discharges regulated pursuant to DP-286, including raffinate, PLS and acid rock drainage (ARD) are typically outside the acceptable range for pH and contain TDS, sulfate and certain metals in concentrations that exceed water quality standards of Section 20.6.2.3103 NMAC.

B103 Authorized Mine Units

This Discharge Permit contains requirements associated with the following mine units as identified in the Discharge Plan. All mine units listed below meet the definition of “existing” mine units pursuant to the Copper Mine Rule and are located inside or partially inside the Open Pit Surface Drainage Area (OPSDA) as defined by Section 20.6.7.7 NMAC, unless otherwise noted.

A. Leach Stockpile:

1. The 3A Leach Stockpile currently has a footprint of approximately 307 acres. Most of the 3A Leach Stockpile is located outside the OPSDA except for the eastern outslope and southernmost portion. The majority of PLS flowing through the 3A Leach Stockpile is collected in eleven PLS Surface Catchments near the toe of the 3A Leach Stockpile and is directed to the No. 3 PLS Pond. Perched seepage zones have been identified in alluvial sediments beneath 10 of the 11 PLS surface catchments. PLS and impacted groundwater from these perched systems is collected in a series of collection systems comprised of individual pumping wells and interceptor/barrier trenches equipped with extraction wells (Perched Groundwater

Collection Systems) located north and northeast of the 3A Leach Stockpile. Seepage that may reach regional groundwater is collected in a series of regional extraction wells (Regional Groundwater Collection System) located downgradient of the 3A Leach Stockpile.

B. Waste Rock Stockpiles:

1. The 3B and 5A Waste Rock Stockpiles currently have footprints of approximately 176 and 302 acres, respectively. Most of the 3B and 5A Stockpiles are located outside the OPSDA except for the south outslope of the 3B Waste Rock Stockpile, and portions of the south and southwest facing outslopes of the 5A Waste Rock Stockpile, which are located inside the OPSDA.

C. Impoundments: – All impoundments are located outside of the operational OPSDA. Descriptions of the following impoundments are described in Table 10 of the TMD.

1. No. 3 PLS Pond – The approximately 8,177,000-gallon capacity HDPE (High Density Polyethylene) double synthetically lined No. 3 PLS Pond is located northeast of the 3A Leach Stockpile and receives PLS from the 3A Leach Stockpile, overflow from the 2A West PLS Collection Tank, and during upset conditions from the 2A East Overflow Pond which is regulated pursuant to DP-435. In addition, the No. 3 PLS Pond receives impacted groundwater from the Perched Groundwater Collection Systems and the Flats and L Line Tanks. PLS collected in the No. 3 PLS Pond is pumped to the SX/EW Feed Pond which is regulated pursuant to DP-166.

2. No. 3 PLS Overflow Pond – The HDPE synthetically lined No. 3 PLS Overflow Pond is located adjacent to the No. 3 PLS Pond. The No. 3 PLS Overflow Pond receives PLS from the No. 3 PLS Pond during upset conditions and has a capacity of approximately 6,715,000 gallons. It also receives process water from the SPCC Pond, stormwater runoff from the Canyon 6 area, and impacted groundwater from extraction wells 286-2008-04 and 286-2008-05.

3. POPE Ponds (2) – The two POPE Ponds are located northeast of the 3A Leach Stockpile and are used for the treatment of domestic wastewater. They have a combined capacity of 295,000 gallons and are lined with two feet of clay on the bottom and a 4-inch-thick concrete liner on the sides. When they reach capacity, excess effluent is pumped to the SPCC Pond.

4. SPCC Pond – The HDPE synthetically lined SPCC Pond has a capacity of approximately 3,700,000 gallons and is located north of the 5A Stockpile. In addition to overflow from the POPE Ponds, the SPCC Pond receives process water from the Light Vehicle Truck Wash and Heavy Equipment Wash Rack, and stormwater from the power plant fuel secondary containment system and 5A Waste Rock Stockpile. Process water from the SPCC Pond is pumped to the No. 3 PLS Overflow Pond.

D. Sumps, Tanks, Pipelines and Other Containment Systems

1. 10 Canyon Fiberglass Tanks (2) – The two 10 Canyon Fiberglass Tanks have a capacity of approximately 10,000 gallons each, are located north of the 3A Leach Stockpile, and receive impacted groundwater from the 1X Interceptor System located north of the reclaimed 1 Series Tailing Impoundments regulated under DP-1341, process water from the 1X1 Lined Pond, and impacted groundwater from some of the extraction wells in the Regional Groundwater Collection System. Impacted water collected in the 10 Canyon Fiberglass Tanks is pumped to the SX/EW plant for use as process water for the mine. During times when the pump is not operating, impacted water gravity flows through an HDPE pipeline to the 10 Canyon PLS Surface Catchment, which discharges to the No. 3 PLS Pond.

2. Canyon 1 through 11 PLS Surface Catchments (11) – The eleven Canyon 1 through 11 PLS Surface Catchments collect PLS and impacted stormwater from the 3A Leach Stockpile, which then flows to the No. 3 PLS Pond.

3. Interceptor/Barrier Trenches (8) – The eight Interceptor/Barrier Trenches are located north and northeast of the 3A Leach Stockpile and are designed to capture impacted groundwater from the alluvial drainages, which is then pumped to the No. 3 PLS Pond.

4. Flats and L Line Tanks (2) – The plastic Flats and L Line Tanks have a capacity of approximately 1,500 gallons each, are located north of the 3A Leach Stockpile and receive impacted groundwater from the Regional Groundwater Collection System, which is then pumped to the No. 3 PLS Pond.

5. Pipelines – Pipelines serving mine units regulated pursuant to DP-286 consist of HDPE material and range in size from 8 to 16 inches in diameter. The pipelines are described in Table 8 of the TMD.

E. Light Vehicle Truck Wash and Heavy Equipment Wash Rack:

1. The Light Vehicle Truck Wash and Heavy Equipment Wash Rack are located in the shop area east of the 5A Waste Rock Stockpile. Rinsate from Light Vehicle Truck Wash and Heavy Equipment Wash Rack Sump discharges to the SPCC Pond.

B104 Authorized Discharges

The Permittee is authorized to discharge water contaminants from the following mine units in accordance with all applicable system design and operational constraints as described in this Discharge Permit and the Discharge Plan. [20.6.2.3109 NMAC]

A. The Permittee is authorized to discharge a maximum of 23,000,000 gpd of raffinate to the 3A Leach Stockpile for the purpose of leaching copper.

B. The Permittee is authorized to place ore within the authorized footprint of the 3A Leach Stockpile.

C. The Permittee is authorized to place waste rock within the authorized footprints of the 3B and 5A Waste Rock Stockpiles.

D. The Permittee is authorized to discharge domestic wastewater to the POPE Ponds.

E. The Permittee is authorized to use water from various sources that meet Section 20.6.2.3103 NMAC groundwater standards for dust suppression.

F. The Permittee is authorized to operate the No. 3 PLS Pond and the No. 3 PLS Overflow Pond to collect PLS and process water.

G. The Permittee is authorized to operate the SPCC Pond to collect process water, stormwater and overflow from the POPE Ponds as described in B103.C.4.

H. The Permittee is authorized to manage discharges associated with 3A Leach Stockpile and the 3B and 5A Waste Rock Stockpiles through operation of applicable mine units listed in B103.

I. This Discharge Permit authorizes only those discharges specified herein. Any unauthorized discharges such as spills or leaks must be reported to NMED and remediated as required by Section 20.6.2.1203 NMAC, and any additional requirements listed in this Discharge Permit.

Part C FACILITY SPECIFIC REQUIREMENTS

The Permittee shall conduct operations in accordance with the requirements set forth below to ensure compliance with 20.6.2 NMAC.

C100 Leach Stockpiles

A. Design and construction of new leach stockpiles shall be in accordance with applicable requirements of Section 20.6.7.20 NMAC.

B. The Permittee shall operate the 3A Leach Stockpile pursuant to the applicable operational requirements of Subsection C of 20.6.7.20 NMAC.

C. Pursuant to Paragraph (1) of Subsection C of 20.6.7.20.C NMAC, the 3A Leach Stockpile shall not exceed the footprint shown on Discharge Permit Amendment 19-02, Discharge Permit 286 (DP-

286); Expansion of the 3A Leach Stockpile Footprint, dated August 22, 2025. The Permittee may only expand the land surface area of the 3A Leach Stockpile for the purpose of facility closure as approved through the Supplemental Discharge Permit for Closure, DP-1341, or through an NMED-approved permit amendment or modification to DP-286 as described in D107.

C101 Waste Rock Stockpiles

A. Design, construction, and location of waste rock stockpiles shall be in accordance with the Discharge Plan, and applicable requirements of Subsections B and C of 20.6.7.21 NMAC.

B. The Permittee shall comply with applicable operational requirements listed in Subsection D of 20.6.7.21 NMAC including the requirement to place waste rock on waste rock stockpiles to plan for closure, to the extent practicable (Sections 20.6.7.18, 20.6.7.21, and 20.6.7.33 NMAC).

   1. Pursuant to Paragraph (7) of 20.6.7.21.D NMAC, placement of waste rock shall be in accordance with an operating plan that describes the sequencing of waste rock deposition on an annual basis, operation of seepage collection systems, operation of interceptor systems, operation of systems to return water to the concentrator or other locations as appropriate, and any other water management features.

C. Construction of new waste rock stockpiles, or expansion of waste rock stockpiles beyond permitted footprints, or for the purpose of facility closure as approved through the DP-1341, must be evaluated in accordance with the requirements of Section 20.6.7.21 NMAC, and may be subject to additional permitting requirements as described in D107.

C102 Tanks, Sumps, Pipelines, and Other Containment Systems

A. Design, construction, and location of all new pipelines, tanks, and sumps shall be in accordance with this Discharge Permit, and applicable requirements of Subsections (A) and (B) of 20.6.7.23 NMAC.

B. The Permittee shall operate all pipelines, tanks, and sumps in existence on the effective date of the Copper Mine Rule in accordance with the applicable requirements of Subsection C of 20.6.7.23 NMAC and Paragraph (2) of 20.6.7.23.B NMAC.

C. Detailed and complete construction plans and specifications and supporting design calculations for any proposed or required tanks, pipelines, sumps, or other containment systems used for management of tailings, process water, or other contaminants, including any replacements thereof, shall be submitted to NMED pursuant to Paragraph (2) of 20.6.7.17.C NMAC, Section 20.6.2.23 NMAC, and Section D107 of this Discharge Permit. The requirement does not apply to

portable or temporary tanks, pipelines, sumps, or other containment systems that are subject to periodic relocation during mining operations.

D. Pursuant to applicable requirements of Paragraph (2) of 20.6.7.23.B NMAC and Subsection J of 20.6.7.33 NMAC, the Permittee shall remove and properly dispose of the tailing, process water, or other materials contained in pipelines, tanks or sumps as soon as they are no longer needed for site operations, water treatment, or other post-closure water management. Any residual tailing, process water, sediments or contaminated water shall be removed from the pipelines, tanks or sumps prior to closure and dispose of the material in a department approved manner. Pipelines may be removed for appropriate disposal or cleaned and buried in place. Sumps may be removed for disposal or cleaned and broken up and buried in place. During pipeline, tank or sump closure, the Permittee shall inspect the entire pipeline, tank or sump area for evidence of past spills and characterize the impacts and potential impacts of such spills. The Permittee shall document all areas where there is evidence of spills and propose to the department appropriate corrective actions pursuant to 20.6.2.1203 NMAC. Following pipeline, tank or sump removal, the Permittee shall remove for disposal or reclaim in place all acid generating pipeline, tank or sump bedding material that has the potential to impact water quality in excess of the applicable standards.

C103 Impoundments

A. Design, construction, and location of all new impoundments shall be in accordance with the Discharge Plan, and applicable requirements of Subsection D of 20.6.7.17 NMAC.

B. Operation of all impoundments shall be in accordance with the applicable requirements of Subsection F of 20.6.7.18 NMAC.

C. In accordance with Paragraph (4) of 20.6.7.18.F NMAC, all impoundments shall be maintained to provide a minimum of 2 feet of freeboard.

D. Pursuant to Subsection B of 20.6.7.18 NMAC, the Permittee shall submit a construction certification report, when required, “before discharging or placing ore or wastes in a liner system”.

C104 Light Vehicle Truck Wash and Heavy Equipment Wash Rack

A. The Permittee shall operate the existing truck and heavy equipment washing units in accordance with the applicable requirements of Subsection C of 20.6.7.26 NMAC.

C105 Stormwater Management

A. Stormwater shall be managed in accordance with the applicable requirements of Paragraph (4) of 20.6.7.17.C NMAC, and in accordance with the approved Sitewide Water Management Plan required by DP-1236.

B. To ensure compliance with Paragraph (2) of 20.6.7.17.D NMAC and Paragraph (4) of 20.6.7.17.C NMAC, the Permittee shall inspect all stormwater impoundments, conveyance channels, and collection ponds outside the operational OPSDA on a quarterly basis and as soon as practicable after precipitation events exceeding one-inch in 24 hours for evidence of excessive sediment buildup and stormwater accumulation that exceed design capacity or intended function of the facility. Facilities to be inspected following 24-hour one-inch precipitation events would be determined by the nearest appropriate rain gauge(s).

C106 Dust Suppression

A. If at some time in the future the Permittee decides to use an alternate source of dust suppression water or change the location in which discharges have been approved, the Permittee shall notify NMED for approval prior to implementation of a proposed change.

B. Dust suppression water applied to conditionally exempt mine units shall be conducted using water sources that do not exceed the water quality standards set forth in Section 20.6.2.3103 NMAC.

C107 Flow Measurement

A. Pursuant to Paragraph (2) of 20.6.7.18 E NMAC, and Subsection F of 20.6.7.29 NMAC, the Permittee shall visually inspect all flow meters, used for compliance with Copper Mine Rule, on a monthly basis for evidence of malfunction, and repair or replace malfunctioning flow meters within 30 days of discovery, or as soon as practicable following discovery.

C108 Monitoring and Reporting

A. Water quality monitoring and reporting shall be in accordance with applicable sections of 20.6.7.28 and 20.6.7.29 NMAC. The Permittee shall identify, collect, preserve, transport, analyze, and report samples of groundwater, surface water, seepage water and process water, seep(s), and spring(s) from the facility in accordance with the NMED-approved monitoring plan titled, *Facility Monitoring Plan and Sampling Change Justification for Discharge Permit 286 (DP-286)* dated May 10, 2024, and Table 1 of this Discharge Permit, and any additional requirements listed in this Discharge Permit. Table 1 provides a summary of monitoring and reporting requirements.

B. Samples of pit sump water, stormwater, PLS, seeps, and process water shall be analyzed for total and dissolved concentrations in accordance with Table 1 (20.6.2.3103 NMAC). Samples of groundwater and spring(s) shall be analyzed for dissolved concentrations in accordance with Table 1.

C. The Permittee shall submit monitoring reports to NMED, in both electronic and hard copy format, on a semi-annual schedule that all monitoring data and information collected pursuant to the requirements of this Discharge Permit, and the applicable requirements of Section 20.6.7.18 and 20.6.7.29 NMAC. Semi-annual reports are due by February 28 and August 31 of each year. Annual data shall be submitted in the monitoring report due by February 28 of each year.

D. Requests to change monitoring and reporting requirements may require modification or amendment of this Discharge Permit as required by the NMED Secretary. [20.6.2.7 NMAC]

E. Groundwater

1. The Permittee shall identify and monitor groundwater at locations specified by Subsection B of 20.6.7.28 NMAC of this Discharge Permit.

2. Pursuant to Paragraph (1) of 20.6.7.28.B NMAC, the existing monitoring wells listed in Table 1 have been deemed appropriate by NMED for continued use as groundwater monitoring wells under this Discharge Permit. These groundwater monitoring wells, some of which were installed prior to the effective date of the Copper Mine Rule, have been identified to be located and constructed in accordance with the Copper Mine Rule.

3. Pursuant to Subsection G of 20.6.7.28 NMAC, the Permittee shall sample and analyze groundwater from monitoring DP-286 monitoring wells in accordance with the schedule and parameters provided in Table 1, and applicable requirements of Subsection F of 20.6.7.28 NMAC. Analytical results shall be submitted in the semi-annual monitoring reports in the format specified by Subsection C of 20.6.7.29 NMAC.

4. Pursuant to Subsection L of 20.6.7.28 NMAC, the Permittee shall submit to NMED groundwater elevation contour maps semi-annually, and Open Pit Surface Drainage Area maps annually for this Discharge Permit. The maps shall be of appropriate scale, shall include land surface topographic contours with appropriate contour intervals, and shall include the monitoring wells that the groundwater data is based on.

F. Seepage Collection System

1. The Permittee shall submit an annual Monitoring and Evaluation Report containing the information required by Subsection H of 20.6.7.29 NMAC for the Perched Groundwater

Collection Systems and Regional Groundwater Collection System. The report shall include recommendations for changes to optimize performance of the system(s), as applicable, in accordance with Subparagraph (g) of 20.6.7.29.H(6) NMAC and be submitted with the DP-286 Annual Monitoring Report due by February 28 of each year.

a. The Permittee shall provide a status update on recommendations required by Subparagraph (g) of 20.6.7.2.29.H(6) NMAC as reported in previous Seepage Collection System Monitoring and Evaluation Reports.

G. Leak Detection Well O-6

1. The Permittee shall remove all fluids from Leak Detection Well O-6 monthly and record the gallons of fluids pumped from the well. The Permittee shall inspect and maintain the leak detection system pursuant to Paragraph (5) of 20.6.7.18.F NMAC.

H. Discharge Volumes

1. The Permittee shall measure and report the following discharge volumes in semi-annual monitoring reports pursuant to Subparagraphs (g) and (h) of 20.6.7.20.C(1) NMAC and Subsections E and F of 20.6.7.29 NMAC using appropriate metering devices and/or calculation methods.

a. The daily volume of raffinate (gpd) discharged to the 3A Leach Stockpile.

b. The daily volume of PLS (gpd) pumped from the No. 3 PLS Pond to the SX/EW Plant.

c. The monthly volume of impacted groundwater pumped from the Perched Groundwater Collection Systems to the No. 3 PLS Pond. The gallons of impacted groundwater pumped shall be recorded separately for each canyon and line of wells.

d. The monthly volume of impacted groundwater pumped from the Regional Groundwater Collection System

I. Flow Measurement

1. Pursuant to Subparagraph (a) of 20.6.7.18.E(2) NMAC, the Permittee shall submit a report of repaired or replaced flow meters in the semi-annual monitoring reports that include a description of any flow meter malfunctions with a statement verifying the repair and description of calibration of the flow meter pursuant to Paragraph (3) of 20.6.7.18.E NMAC.

J. Meteorological Data

1. Pursuant to Subsection G of 20.6.7.29 NMAC, meteorological data shall be measured as stipulated in the TMD. The data shall be submitted to NMED in the monitoring report due on February 28 of each year as specified by C108.C.

C109 Contingency Plan

A. The Permittee shall comply with all applicable contingency requirements and submit to NMED all applicable information or documentation specified in Sections A through J of Section 20.6.7.30 NMAC.

B. If NMED or the Permittee identifies any other failures of the discharge plan or system not specifically noted in this permit or Section 20.6.7.30 NMAC that may have the potential to impact water quality, NMED may require the Permittee to develop and submit contingency plans and schedules for NMED approval to address such failures. [20.6.2.3107.A.10 NMAC

C110 Closure Plan

A. Closure of all mine units associated with this Discharge Permit shall be performed in accordance with the requirements of Section 20.6.7.33 NMAC and Section 20.6.7.34 NMAC, and in accordance with DP-1341, as applicable. Closure and financial assurance requirements associated with facilities authorized by this Discharge Permit are included in DP-1341.

Part D GENERAL CONDITIONS

General conditions issued by the Ground Water Quality Bureau pursuant to 20.6.2 NMAC and 20.6.7 NMAC are listed below.

D100 Enforcement

A. Any violation of the requirements and conditions of this Discharge Permit, including any failure to allow NMED staff to enter and inspect records or facilities, or any refusal or failure to provide NMED with records or information, may subject the Permittee to a civil enforcement action pursuant to WQA 74-6-10(A) and (B). Such action may include a compliance order requiring compliance immediately, or in a specified time, assessing a civil penalty, modifying or terminating the discharge permit, or any combination of the foregoing; or an action in district court seeking injunctive relief, civil penalties, or both. Pursuant to the NMSA 1978, Section 74-6-10(C) and 74-6-10.1, civil penalties of up to $15,000 per day of noncompliance may be assessed for each violation of the NMSA 1978, Section 74-6-5, WCC Regulations, or this Discharge Permit, and civil penalties of up to $10,000 per day of noncompliance may be assessed for each violation of any other provision of the WQA, or any regulation, standard, or order adopted pursuant to such other provision. In any action to enforce this Discharge Permit, the Permittee waives any objection to

the admissibility as evidence of any data generated pursuant to this Discharge Permit. Tyrone does not waive any argument as to the weight such evidence should be given. [74-6-10 WQA, 74-6-10.1 WQA]

B. Pursuant to the NMSA 1978, Section 74-6-10.2(A-F), criminal penalties may be assessed for any person who knowingly violates or knowingly causes or allows another person to:

1. Make any false material statement, representation, certification or omission of material fact in an application, record, report, plan or other document filed, submitted or required to be maintained under the WQA;

2. Falsify, tamper with, or render inaccurate any monitoring device, method or record required to be maintained under the WQA; or

3. Fail to monitor, sample or report as required by a permit issued pursuant to a state or federal law or regulation.

D101 General Inspection and Entry Requirements

A. Nothing in this Discharge Permit shall be construed as limiting in any way the inspection and entry authority of NMED under the WQA, the WQCC Regulations, or any other applicable law or regulation. [20.6.2.3107 NMAC, NMSA 1978 74-6-9(B) & (E) WQA]

B. Pursuant to 20.6.2.3107.D NMAC, NMSA 1978 74-6-9(B) and (E) WQA, the Permittee shall allow the Secretary or an authorized representative, upon the presentation of credentials to:

1. Enter at regular business hours or at other reasonable times upon the Permittee's premises or other location where records must be kept under the conditions of this Discharge Permit, or under any federal or WQCC regulation.

2. Inspect and copy, during regular business hours or at other reasonable times, any records required to be kept under the conditions of this Discharge Permit, or under any federal or WQCC regulation.

3. Inspect, at regular business hours or at other reasonable times, any facility, equipment (including monitoring and control equipment or treatment works), practices or operations regulated or required under this Discharge Permit, or under any federal or WQCC regulation.

4. Sample or monitor, at reasonable times for the purpose of assuring compliance with this Discharge Permit or as otherwise authorized by the WQA, any effluent, water contaminant, or receiving water at any location before or after discharge.

D102 General Operational Requirements

A. New mine units shall be designed in accordance with the applicable requirements of Section 20.6.7.17 NMAC.

B. The Permittee shall follow the general operational requirements of Section 20.6.7.18 NMAC

C. The Permittee shall meet all applicable setback requirements for any new mine unit pursuant to Section 20.6.7.19 NMAC.

D103 General Record Keeping and Reporting Requirements

A. The Permittee shall retain written records at the copper mine facility as required pursuant to Section 20.6.7.37 NMAC.

B. The Permittee shall furnish to NMED, within a reasonable time, any documents or other information which it may request to determine whether cause exists for modifying, terminating and/or renewing this Discharge Permit or to determine compliance with this Discharge Permit. The Permittee shall also furnish to NMED, upon request, copies of documents required to be kept by this Discharge Permit. [20.6.2.3107.D NMAC, NMSA 1978 74-6-9 (B) & (E) WQA]

D104 General Sampling and Analytical Methods

A. Unless otherwise specified by this Discharge Permit, or approved in writing by NMED, the Permittee shall use sampling and analytical techniques that conform with the references listed in Subsection B of 20.6.2.3107 NMAC. [20.6.2.3107.B NMAC, 20.6.7.29.D NMAC]

D105 Monitoring Well Abandonment

A. The Permittee shall submit a written request for NMED approval in accordance with Condition C108.D at least 30 days prior to the anticipated destruction or removal of any monitoring wells required under this Discharge Permit. After the Permittee receives NMED approval, monitoring well plugging and abandonment shall be completely in accordance with the document titled, *Ground Water Discharge Permit Monitoring Well Construction and Abandonment Conditions,* Revision 1.1, March 2011, or according to regulations issued by the Office of the State Engineer in 19.27.4 NMAC, unless an alternate method is approved by NMED. [20.6.2.3107 NMAC]

B. The written notification required in D105.A shall include the following information:

1. A scaled map showing the location of the monitoring well(s) and the mine units it is intended to monitor.

2. The purpose for plugging and abandoning the monitoring well(s).

3. Details, if available, on the monitoring well(s) including depth-to-water elevation, top-of-casing elevation, construction and lithologic logs.

4. Recent groundwater analytical results from the monitoring well(s).

5. Proposed replacement well(s), if applicable.

6. The same details, as applicable, listed in Conditions D105.B.1, and D105.B.3 are required for the proposed replacement monitoring well(s). New replacement wells require monitoring well completion reports pursuant to Subsection K of 20.6.7.28 NMAC.

D106 Reporting Requirements for Unauthorized Discharges

A. In the event of a spill or release that is not authorized under this permit, the Permittee shall initiate the notifications and corrective actions as required in 20.6.2.1203 and Subsection G of 20.6.7.30 NMAC. The Permittee shall take immediate corrective action to contain and remove or mitigate any damage caused by the discharge. Process water or impacted stormwater or other material that is spilled or released that has the potential to impact water quality shall be contained and pumped to a sump, impoundment, or leach stockpile permitted to the Copper Mine Rule. Contaminated soils shall be removed and placed in a location specifically authorized in the discharge permit, an alternate location subject to NMED approval, or otherwise properly contained, transferred, or disposed of in a manner that does not result in discharge to non-authorized areas. Within 24 hours after discovery of the discharge, the Permittee shall verbally notify NMED and provide the information required by Paragraph (1) of 20.6.2.1203.A NMAC to determine applicable monitoring and reporting requirements pursuant to Paragraphs (2) and (3) of 20.6.7.29.B NMAC. The Permittee shall repair or replace failed components within 48 hours from the time of failure or as soon as practicable pursuant to Subsection G of 20.6.7.30 NMAC. Within 7 days of discovering a discharge reportable under 20.6.2.1203 NMAC, the Permittee shall submit a written report to NMED verifying the oral notification and providing any additional information or changes. Pursuant to Paragraph (6) of 20.6.2.1203.A NMAC, the Permittee shall submit a corrective action report within 15 days after discovery of the discharge that describes corrective actions taken and/or to be taken. [20.6.2.1203 NMAC; 20.6.7.29.B(2) and (3) NMAC; Subsection G of 20.6.7.30 NMAC]

B. As part of the 24-hour spill notification requirements, and to accurately fulfill location information specified by Subparagraph C of 20.6.2.1203.A(1) NMAC, the Permittee shall submit a figure, when required, to NMED by the end of the next business day that clearly displays the location (or locations) of the spill and identifies nearby mine units. Submittal of spill location information in latitude/longitude coordinates in decimal degrees (XX.XXXXXX and -XXX.XXXXXX, respectively), using a specified datum of WGS84 or Universal Transverse Mercator (UTM) format, is also acceptable.

C. In the event of a spill or release that is not authorized under this permit, the Permittee shall initiate the notifications and corrective actions as required in 20.6.2.1203 and Subsection G of 20.6.7.30 NMAC. The Permittee shall take immediate corrective action to contain and remove or mitigate any damage caused by the discharge. Process water or impacted stormwater or other material that is spilled or released that has the potential to impact water quality shall be contained and pumped to a sump, impoundment, or leach stockpile permitted to the Copper Mine Rule. Contaminated soils shall be removed and placed in a location specifically authorized in the discharge permit, an alternate location subject to NMED approval, or otherwise properly contained, transferred, or disposed of in a manner that does not result in discharge to non-authorized areas. Within 24 hours after discovery of the discharge, the Permittee shall verbally notify NMED and provide the information required by Paragraph (1) of 20.6.2.1203.A NMAC to determine applicable monitoring and reporting requirements pursuant to Paragraphs (2) and (3) of 20.6.7.29.B NMAC. The Permittee shall repair or replace failed components within 48 hours from the time of failure or as soon as practicable pursuant to Subsection G of 20.6.7.30 NMAC. Within 7 days of discovering a discharge reportable under 20.6.2.1203 NMAC, the Permittee shall submit a written report to NMED verifying the oral notification and providing any additional information or changes. Pursuant to Paragraph (6) of 20.6.2.1203.A NMAC, the Permittee shall submit a corrective action report within 15 days after discovery of the discharge that describes corrective actions taken and/or to be taken. [20.6.2.1203 NMAC; 20.6.7.29.B(2) and (3) NMAC; Subsection G of 20.6.7.30 NMAC]

D. As part of the 24-hour spill notification requirements, and to accurately fulfill location information specified by Subparagraph C of 20.6.2.1203.A(1) NMAC, the Permittee shall submit a figure, when required, to NMED by the end of the next business day that clearly displays the location (or locations) of the spill and identifies nearby mine units. Submittal of spill location information in latitude/longitude coordinates in decimal degrees (XX.XXXXXX and -XXX.XXXXXX, respectively), using a specified datum of WGS84 or Universal Transverse Mercator (UTM) format, is also acceptable.

D107 Modifications and Amendments

A. The Permittee shall notify and obtain approval from NMED of a proposed change to the facility or the facility's discharge that would result in a change in the volume discharged; the location of the discharge; or in the amount or character of water contaminants received, treated, or discharged by the facility, prior to implementing such changes. Such changes may require modification or an amendment to this Discharge Permit, including payment of applicable fees specified in Section 20.6.7.9 NMAC. [20.6.2.3107.C NMAC, 20.6.2.3109.E NMAC, 20.6.7.7.B(19) NMAC, 20.6.7.14 NMAC]

B. As determined by NMED, for any proposed change that would meet the definition of a discharge permit modification as specified in Subsection D of 20.6.2.7 NMAC, the Permittee shall submit for NMED approval an application for modification of this Discharge Permit pursuant to Section 20.6.7.10 NMAC and 20.6.7.11 NMAC. Plans and specifications shall be included in the request, as applicable, pursuant to Section 20.6.7.17 NMAC.

C. As determined by NMED, for any proposed change that meets the definition of a discharge permit amendment as specified in Paragraph 19 of 20.6.7.7.B NMAC, the Permittee shall submit a request to NMED for amendment of this Discharge Permit pursuant to Section 20.6.7.14 NMAC of the Copper Mine Rule. Plans and specifications shall be included in the request, as applicable, pursuant to Section 20.6.7.17 NMAC.

D. Pursuant to Subsection E of 20.6.2.3109 NMAC, NMED reserves the right to require a discharge permit modification in the event NMED determines that the requirements of 20.6.2 NMAC are being or may be violated, or the standards of Section 20.6.2.3103 NMAC are being or may be violated. This may include a determination that structural controls and/or management practices approved under this Discharge Permit are not protective of groundwater quality, and that more stringent requirements are needed to protect groundwater quality.

D108 Compliance with Other Laws

A. Nothing in this Discharge Permit shall be construed in any way as relieving the Permittee of the obligation to comply with all applicable federal, state, and local laws, regulations, permits or orders. [20.6.2 NMAC, 20.6.7.8(D) NMAC]

Table 1

Monitoring and Reporting Summary for DP-286

Monitoring Report Schedule of Submittal (Subsection A of 20.6.7.29 NMAC)						
1	January 1st through June 30th (Q1 and Q2 sampling quarters) – Semi-annual Report due by August 31stof each year.					
2	July 1 through December 31 (Q3 and Q4 sampling quarters) – Semi-annual Report due by February 28th of each year.					
3	Annual Reports Due by February 28th of each year					
Reporting Summary						
Annual Reporting Frequency	**Number of Sites**	**Description**				
2	170	All applicable requirements of Subsection A through C and E though H of 20.6.7.29 NMAC				
1	NA	OPSDA Map				
Monitoring Schedule						
Location	**Identification Number**	**Sampling**				**Notes**
		Q1	**Q2**	**Q3**	**Q4**	
Alluvial Monitoring Wells						
Canyon 1	C1-5			DTW		
	C1-10					
	C1-28			DTW		
	C1-33			DTW		
Canyon 2	C2-11			DTW		
Canyon 3	C3-13			DTW		
Canyon 4	C4-25			DTW		
	C4-28			DTW		
	C4-29	DTW		DTW		
	C4-30			DTW		
	C4-31	DTW		DTW		
	C4-TU-1	DTW		DTW		
	C4-TU-2	DTW		DTW		
	MV-4	1,4	A	1,4	A	Listed in Diesel Fuel Spill Area also
Canyon 5	286-2008-07	1	A	1	A	
	C5-3			DTW		

Canyon 6	C6-1	1	1	1	1	
	C6-5	1	1	1	1	
	C6-9	1		1		
	C6-11	DTW		DTW		
	C6-17					
	C6-34	DTW		DTW		
	C6-44	DTW		DTW		
	C6-47					
	C6-48			DTW		
	C6-63					
Canyon 7	C7-15	DTW		DTW		
	C7-38	1		1		
	C7-39			DTW		
Canyon 8	C8-5			DTW		
	C8-24	1	1	1	1	
	C8-39			DTW		
	C8-46	1	1	1	1	
	C8-49	1	1	1	1	
Canyon 9	C9-3					Well destroyed
Canyon 10	C10-18	DTW		DTW		
	C10-28			DTW		
	C10-40	DTW		DTW		
	C10-41	1		1		
	C10-51	DTW		DTW		
	C10-53	1	A	1	A	
	C10-58			DTW		
	C10-62	1	A	1	A	
Canyon 11	286-2008-06	1		1		
	C11-6	DTW		DTW		
Diesel Fuel Spill Area	286-2010-02	1,4		1,4		
	MV-1	1,4		1,4		
	MV-2	1,4		1,4		
	MV-4	1,4		1,4		
	MV-5	1,4		1,4		

POPE Ponds	286-2010-01	1,5				
Regional Monitoring Wells						
Canyon 1	P-6B			DTW		
Canyon 4	286-2008-08	1		1		
Canyon 5	O-5R	1		1		
	P-10A	1,2,3		1,2,3		
	P-71A	1		1		
Canyon 6	286-2008-04	1		1		
	286-2008-05	1,2,3		1,2,3		
	P-16			DTW		
	P-167	1		1		
	P-182	1		1		
	P-187			DTW		
	P-188			DTW		
	P-189	1		1		
	P-193	1		1		
	P-198	1		1		
	P-226			DTW		
Canyon 7	286-2006-02	1,2a,3		1,2a,3		
	286-2007-01	1,2a,3		1,2a,3		
	286-2007-46	1		1		
	286-2007-48	1,2a,3		1,2a,3		
	P-196	1		1		
Canyon 8	P-11	1		1		
	P-178	1		1		
	P-185	1		1		
	P-195	1		1		
	P-220	1,2a,3		1,2a,3		
	P-221	1		1		
	P-235	1		1		
Canyon 10	O-4	1		1		
	P-5	1,2a,3		1,2a,3		
	P-215	1		1		
	P-236	1,2a,3		1,2a,3		
	P-237	1		1		

Canyon 11	286-2008-01	1,2a,3		1,2a,3		
	286-2008-02	1,2a,3		1,2a,3		
	P-227	1,2a,3		1,2a,3		
	P-228	1		1		
	P-238	1		1		
	P-239	1		1		
	P-240	1		1		
Mangas Flat	6-2R	1,2a,3		1,2a,3		
	O-3R	1		1		
	P-23A	1		1		
	P-24	1		1		
	P-31	1		1		
	P-44	1,2a,3		1,2a,3		
	P-48	1		1		
	P-51	1		1		
	P-77	1		1		
	P-80	1		1		
Trestle Area	P-14A					Well destroyed in 2019. Replaced with 286-2021-01.
	286-2010-01					
	P-41	1		1		
	P-42	1		1		
	P-149	1		1		
L-Line	286-2008-03	1		1		
	P-54	1		1		
	P-57	1		1		
	P-70	1,2a,3		1,2a,3		
	P-72R	1		1		
	P-84	1		1		
E.L. Line	P-61	1		1		
	P-65	1		1		
	P-68	1		1		
	P-75	1		1		
	P-99	1		1		

North Perimeter	286-2005-01	1		1		
	286-2005-02	1		1		
	286-2006-02	1,2a,3		1,2a,3		
	286-2006-04	1		1		
	286-2006-06	1		1		
	286-2007-01	1,2,3		1,2,3		
	286-2007-02	1,2,3		1,2,3		
	286-2007-03	1		1		
	286-2007-04	1		1		
	286-2007-05	1		1		
	286-2007-06	1		1		
	286-2007-07	1,2a,3		1,2a,3		
	286-2007-08	1		1		
	286-2007-09	1		1		
	286-2007-10	1		1		
	286-2007-11	1		1		
	286-2007-12	1,2,3		1,2,3		
	286-2007-13	1,2,3		1,2,3		
	286-2007-14	1		1		
	286-2007-16	1,2,3		1,2,3		
	286-2007-18	1		1		
	286-2007-20	1		1		
	286-2007-22	1		1		
	286-2007-24	1,2a,3		1,2a,3		
	286-2007-26	1		1		
	286-2007-28	1,2a,3		1,2a,3		
	286-2007-30	1		1		
	286-2007-32	1		1		
	286-2007-34	1,2a,3		1,2a,3		
	286-2007-36	1		1		
	286-2007-38	1		1		
	286-2007-40	1		1		
	286-2007-42	1		1		
	286-2007-44	1		1		
	286-2007-46	1		1		

	286-2007-48	1,2,3		1,2,3		
POPE Ponds	P-34	1,2a,3,5		1,2a,3,5		
Diesel Spill Area	32			DTW		
	33	1,4		1,4		
	48	1,4		1,4		
Other Wells	26	1,3		1,3		
	27	1,3		1,3		
	28	1		1		
	28A			DTW		Now Monitored Under DP-286
	29					Monitored Under DP-435, also reported in DP-286
	286-2005-03	1		1		
	P-232	1		1		
	P-233	1		1		
Ponds						
	No. 3 PLS Collection Pond					PLS is now monitored at SX/EW Feed Ponds in DP-166
	No. 3 PLS Overflow Pond					PLS is now monitored at SX/EW Feed Ponds in DP-166
	Leak Detection Well 0-6	1				
	SPCC Pond	1,2a,3,4, 5				
	POPE Ponds	1,5				

DP-286 Flow Meters used for Copper Rule Compliance (Revised Table 10, TMD)

Meter ID	**Meter Description**
286RF01	3A Booster to 3A Leach Stockpile (Raffinate)
286RF02	North Raff Loop 3A Bypass (Raffinate)
286PL01	3 PLS Pond to Feed Pond (PLS)
286PR01	C4TU-1 (Process Water)
286PR02	C4TU-2 (Process Water)
286PR03	C4-30 & C4-31 (Process Water)

286PR04	4CanP (Process Water)
286PR05	6CanP (Process Water)
286PR06	6CanR (Process Water)
286PR07	7CanP (Process Water)
286PR08	7CanR (Process Water)
286PR09	8CanP (Process Water)
286PR10	8CanR (Process Water)
286PR11	10CanP (Process Water)
286PR12	10CanR (Process Water)
286PR13	Lower Canyons 7, 8 & 10 (Process Water)
286PR14	P-76 (Process Water)
286PR15	286-2006-01 (Process Water)
286PR16	286-2007-27 (Process Water)
286PR17	286-2007-33 (Process Water)
286PR18	286-2007-50 (Process Water)
286PR19	286-2007-51 (Process Water)
286PR20	286-2008-04 (Process Water)
286PR21	286-2008-05 (Process Water)
286PR22	O-6 (Process Water)
Sampling Analytical Suites	
Group 1 = Field Parameters: Temperature, pH, specific conductance, depth to water Group 2 = General Chemistry: alk-HCO^-_3, alk-CO_3^{2-}, alk-Total, Ca, Cl, F, Mg, K, Na, SO_4^{2-}, TDS Group 2A = Indicator Parameters: Sulfate, total dissolved solids (TDS) Group 3 = Metals: Al, As, Cd, Cr, Co, Cu, Fe, Pb, Mn, Ni, Se, Zn	

Explanation of Abbreviations and Symbols		
Type: MW = Monitoring Well PLS = Pregnant Leach Solution OPSDA = Open Pit Surface Drainage Area.	Sampling Quarters: Q1 = Jan – Mar Q2 = Apr – Jun Q3 = July – Sep Q4 = Oct - Dec	Sampling Analytes Suite C: alk-HCO_3= alkalinity-bicarbonate alk-CO3=alkalinity-carbonate alk-Total = alkalinity total SO_4^{2-} = Sulfate Cr = Chromium Cd = Cadmium Ca = Calcium Co = Cobalt Mg = Magnesium Cu = Copper Na= Sodium Fe = Iron K = Potassium Pb = Lead F = Fluoride Mn = Manganese Cl = Chloride Ni = Nickel Al = Aluminum Se = Selenium As = Arsenic Zn = Zinc

Table 2
Pumping Rate Schedule for Perched Groundwater Collection Systems

Location	Catchment Well ID	Trench Well ID	Frequency
Canyon 4		C4-24, C4-25, C4-28	Monthly
Mangas Wash		C4-30, C4-31, C4TU-1, C4TU-2	Monthly
Canyon 5		C5-9, C5-10	Monthly
Canyon 6	C6-11, C6-15, C6-16, C6-20, C6-63	C6-34, C6-35, C6-36, C6-45, C6-46, C6-53	Monthly
Canyon 7	C7-15		Monthly
Canyon 8	C8-9, C8-10, C8-11, C8- 48		Monthly
Canyons 10	C10: C10-17, C10-18		Monthly
Lower Canyons		C7-34 (7 Trench), C8-33, C8-34, C8-43 (Upper 8 Trench), C10-55, C10-58 (Upper 10 Trench)	Monthly

Table 3

Pumping Rate Schedule for Regional Groundwater Collection System

Location	Well ID	Frequency
Canyon 6	P-182, P-188, P-189, P198, 286-2008-04, 286-2008-05	Monthly
Canyon 7	P-174, P-177, P-194, P-196, P-209, P-211, P-212	Monthly
Canyons 8	P-178, P-185, P-192, P-195, P-205, P-206, P-210, P-220, P-221 & P-235	Monthly
Canyon 10	C10: P-215, P-216, P-217, P-236	Monthly
Canyon 11	P-203, P-237, P-238, P-239, P-240, P-241	Monthly
North Perimeter	286-2006-01, 286-2006-05, 286-2007-21, 286-2007-23, 286-2007-25, 286-2007-27, 286-2007-29, 286-2007-31, 286-2007-33, 286-2007-35, 286-2007-37, 286-2007-47, 286-2007-49, 286-2007-50, 286-2007-51	Monthly

Figure 1

Tyrone Mine Open Pit Surface Drainage Area