CERTIFIED MAIL – RETURN RECEIPT REQUESTED

May 14, 2026

Randy B. Ellison, General Manager
Freeport-McMoRan Chino Mines Company
P.O. Box 10
Bayard, NM 88023

RE: Draft Discharge Permit Modification; DP-376, Lampbright Leach System, Freeport-McMoRan Chino Mines Company

Dear Randy B. Ellison:

Notice is hereby given pursuant to Subsection H of 20.6.2.3108 NMAC that the Ground Water Discharge Permit Modification of the existing Discharge Permit 376 (DP-376) for the Freeport-McMoRan Chino Mines Company (Applicant) Lampbright Leach System 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 Modification in the near future and will forward a copy of the notice to you. The Application for Discharge Permit Modification of DP-376 was deemed technically complete on May 8, 2026.

To meet the intent of Subsection H of 20.6.2.3108 NMAC, changes to DP-376 to reflect the Discharge Permit Modification are shown in redline/strikeout.

Prior to making a final ruling on the proposed DP-376 Discharge Permit Modification, NMED will allow 30 days from the date 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 or the Applicant. Written comments or hearing requests may be submitted to the GWQB either by utilizing the SmartComment portal at https://nmed.commentinput.com/comment/search or by email to jordan.anderson@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-376 Discharge Permit Modification. Hearings are presided over by the NMED Secretary, or a hearing officer appointed

by the Secretary. If written comments or a written request for a hearing are not received during the public comment period, the draft DP-376 Discharge Permit Modification will become final.

NMED has imposed additional conditions on the Modification of DP-376 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-376 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 C101.F.1 – The reason for this condition is to ensure that any potential seepage originating from beneath the Kessel Waste Rock Stockpile is contained to meet the requirements of Subparagraph (b) of 20.6.7.21.B(1) NMAC.

2. Condition C105.D – The reason for this condition is to ensure that Interceptor Well 376-2004-06 continues to operate until such time as it is plugged and abandoned to minimize impacts to groundwater.

3. Condition C108.F.5.d – The reason for this condition is to ensure that NMED is notified before monitoring and interceptor wells are plugged and abandoned since these wells may continue to operate for extended periods of time after permit issuance.

4. Condition C108.F.6.a – The reason for this condition is to ensure that additional monitoring wells are constructed as proposed by the Applicant.

5. Condition C108.F.6.d – The reason for this condition is to ensure the Applicant provides documentation that groundwater conditions described in the Discharge Permit Modification Application is confirmed through collection of additional groundwater quality data by the additional monitoring wells.

6. Condition C108.G.3 – The reason for this condition is to ensure that stormwater downstream of the Kessel Waste Rock Stockpile and associated infrastructure continues to be monitored after the current sampler location is buried by waste rock.

7. Condition C108.I.1 – The reason for this condition is to ensure that stability of the Southwest Lampbright Infill and Buttress continues to be monitored during and after construction of the Kessel Waste Rock Stockpile.

Please review the enclosed draft DP-376 Discharge Permit Modification carefully for accuracy and completeness, and to make sure you understand what it requires. Please be aware that the

proposed DP-376 Discharge Permit Modification 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, Part 20.6.2 NMAC and Part 20.6.7 NMAC, are available online at https://www.env.nm.gov/gwqb/gw-regulations.

Sincerely,

Jordan Anderson

Digitally signed by Jordan Anderson
Date: 2026.05.14 09:17:30 -06'00'

Jordan Anderson, Permit Lead
Mining Environmental Compliance Section
Ground Water Quality Bureau
New Mexico Environment Department

Enclosure: Draft Discharge Permit Modification, DP-376

Cc: Randy B. Ellison, Chino Mines Company (rellison@fmi.com)
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To meet the intent of Subsection H of 20.6.2.3108 NMAC, changes to DP-376 that reflect the permit modification are shown in redline/strikeout. ~~This page intentionally left blank~~.

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Part A GENERAL INFORMATION

A100 Introduction

A. The New Mexico Environment Department (NMED) issues this Ground Water Discharge Permit ~~Renewal and~~ Modification, DP-376 (Discharge Permit) to Freeport-McMoRan Chino Mines Company (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 Part 20.6.7 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 Main Lampbright, North Lampbright, and South Lampbright Leach Stockpiles, the Southwest Lampbright and Kessel Waste Rock Stockpiles, and associated mine units 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 29,232,000 gallons per day (GPD) of acidic leach solution (raffinate) to the Main Lampbright, North Lampbright, and South Lampbright Leach Stockpiles for the purpose of leaching copper. These discharges may move directly or indirectly into groundwater of the State of New Mexico that 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 NMAC and Subsection A of 20.6.2.3101 NMAC. These 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 discharges from the facilities regulated pursuant to this Discharge Permit are not subject to any of the exemptions of Section 20.6.2.3105 NMAC.

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C. Groundwater quality as observed in monitoring wells required by Condition C108.F 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.

A102 Permit Duration

A. Pursuant to NMSA 1978 § 74-6-5(I) and Subsection H of 20.6.2.3109 NMAC, the term of this Discharge Permit 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 Chino Mines Company, 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 the Chino Mines Company. [20.6.7.9.A 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 June 15, 2028) 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 C100.E.3, Condition C100.E.4, Condition C100.E.5, Condition C101.F.1, Condition C103.C, Condition C103.F, Condition C104.F, Condition C105.A, Condition C105.B, Condition C105.C, Condition C105.D, Condition C106.B, Condition C108.D, Condition C108.F.5, Condition C108.F.6, Condition C108.F.5, Condition C108.G, Condition

C108.H.1.a, Condition C108.H.1.c, Condition C108.I.1, Condition C109.A, Condition C109.B, and Condition C109.C, Condition D105.A, Condition D105.B, Condition D106.A, and Condition D106.B.

Part B FACILITY SPECIFIC INFORMATION

B100 History and Facility Description

A. The Chino Mine is an open pit copper mine owned by Freeport-McMoRan Chino Mines Company and covers an area of approximately 35,000 acres. The Chino Mine consists of the Santa Rita Open Pit, associated waste rock and leach stockpiles, collection systems, a solution extraction and electrowinning (SX/EW) plant, a concentrator and associated mineral processing units, an active tailing impoundment, and reclaimed mine units. The mine is regulated pursuant to multiple operational Ground Water Discharge Permits, a supplemental discharge permit for closure, and an abatement plan.

B. The mine units regulated pursuant to DP-376 that produce discharges that may move directly or indirectly into groundwater include the Main Lampbright, North Lampbright, and South Lampbright Leach Stockpiles, the Southwest Lampbright and Kessel Waste Rock Stockpiles, and the Reservoir 8 pregnant leach solution (PLS) and Stormwater Collection System. The associated infrastructure includes reservoirs, impoundments, PLS collection units, sumps, tanks, booster stations, and pipelines. Collectively these mine units are referred to as the Lampbright Leach System, DP-376 and cover approximately 1,~~211~~ 891 acres.

C. The Main Lampbright, North Lampbright, and South Lampbright Leach Stockpiles receive ore for leaching from the Santa Rita Open Pit and Continental Mine. The leach stockpiles are constructed in approximately 30-foot lifts and currently sit approximately 500 feet (ft.) above the original ground surface. Stockpiling of leach ore on the Main Lampbright Leach Stockpile began in 1973, and application of raffinate and collection of Pregnant Leach Solution (PLS) to recover copper began in 1976. Stockpiling of leach ore on the South Lampbright Leach Stockpile began in 1992.

D. The North Lampbright Leach Stockpile will occupy the same footprint of the North Lampbright Waste Rock Stockpile previously permitted pursuant to DP-376, issued August 14, 2017. The North Lampbright Waste Rock Stockpile has not been constructed.

E. The Main Lampbright, North Lampbright, and South Lampbright Leach Stockpiles are leached through the application of raffinate to the top and side surfaces. Raffinate removes metals from the mined ore as it passes through the stockpile. PLS, which has a TDS concentration of up to 191,000 mg/L, is collected at the base of the leach stockpiles with the Reservoir 8 PLS

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and Stormwater Collection System, Lampbright Sumps 1 through 4, East Headwall Impoundment or Lampbright Far East PLS and Stormwater Collection System. The PLS is then conveyed by pipelines to the SX/EW Plant for copper cathode production using an electrolytic procedure.

F. Impacted material resulting from cleaning out permitted mine units are placed on the Main and South Lampbright Leach Stockpiles for leaching. Examples include filter cake, acid-impacted sediments from unauthorized discharges, and sediments from cleaning out process water impoundments such as Reservoir 6, Reservoir 7, Lined 8 Dam, and Unlined 8 Dam. The Sediment Staging Area is used to temporarily store and/or dewater impacted material prior to placement on the leach stockpiles.

G. The approximate twenty-eight (28) acre Reservoir 8 PLS and Stormwater Collection System, located at the southeast toe of the South Lampbright Stockpile, consists of the Stainless Steel PLS Tank, Lined 8 Dam, Unlined 8 Dam, Spring Below Reservoir 8, three concrete-lined stormwater settling ponds, eleven (11) seepage collection wing walls, seepage collection trenches, and associated pipelines that collect and convey PLS, process water, impacted stormwater, and groundwater to the PLS Feed Pond at the SX/EW plant or back into the process water circuit at Reservoir 7 for reuse as necessary for mining purposes.

H. The Unlined 8 Dam was previously used to collect PLS from the Lampbright Leach Stockpile and was known as Reservoir 8.

I. The Southwest Lampbright Waste Rock Stockpile is used for storage of waste rock. Stockpiling of waste rock on the Southwest Waste Rock Stockpile began in 1996.

J. The Lampbright Fast Fuel Dock, Southwest Energy Facility, and Southwest Energy reinforced cast-in-place concrete truck and equipment washing unit are located just off the northwest margin of the Main Lampbright Stockpile. The Southwest Energy Facility and accompanying equipment wash pad were relocated to this area in early 2014 to accommodate expansion of the Lee Hill sub pit.

K. Water from the Lampbright Tank, Island Queue Tank, Café Queue Tank, South Side Tank, and Frog Pond, located at various locations at the Chino NMA, is used for dust suppression on mine haul roads within the Santa Rita Open Pit and on adjacent stockpiles. Water is supplied from various sources including the Star Shaft, Oswaldo Shaft, Princess Shaft, Bullfrog Shaft, LB East wells north of the Lampbright Leach Stockpile, Reservoir 5 South, 700R, and 593 potable supply wells near Reservoir 5 North, Chino Tailing Pond 7 decant water, and pit wall dewatering wells within the Santa Rita Open Pit. Water from the Bullfrog Shaft and the Continental Mine is delivered via the Bullfrog Pipeline. Water quality data for these various sources is currently being reported pursuant to applicable Chino Mine and Continental Mine

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operational discharge permits, including DP-181, DP-376, DP-459, DP-484, and DP-526. The haul roads that water is applied to for dust control typically are constructed with mined rock that has acid-generating potential and are within demonstrated areas of ground and surface water capture. Dust suppression is a necessary action to meet air quality requirements and is not expected to result in a net impact to ground or surface water quality impairments within these heavily impacted and active mine areas.

L. The East Headwall Impoundment was constructed in 2018 in anticipation to collect seepage, process water, and impacted stormwater from the east slope of the North Lampbright Waste Rock Stockpile. The impoundment will now collect seepage, process water, incidental PLS, and impacted stormwater runoff from the east slope of the North Lampbright Leach Stockpile and the north slope of the Main Lampbright Leach Stockpile.

M. The DP-376 Lampbright Groundwater Interceptor Systems consists of seven interceptor wells and two interceptor trenches that pump impacted groundwater to DP-376 sumps or impoundments. These interceptor wells are located east of Main Lampbright Leach Stockpile and south of Southwest Lampbright Waste Rock Stockpile.

~~M.~~N. The Lampbright Far East PLS and Stormwater Collection System, located at the eastern toe of the Main Lampbright Leach Stockpile, consists of a Mechanically Stabilized Earthen Wall PLS Collection System, PLS Tank, lined impacted stormwater impoundment, groundwater interceptor trench, impacted stormwater conveyances, non-impacted stormwater conveyances, and associated pipelines that collect and convey PLS, process water, impacted stormwater, groundwater, and seepage to the Unlined Reservoir 8, Reservoir 8 Stainless Steel PLS Tank, Fleming Pond 2, or Reservoir 7.

~~N.~~O. The Kessel Waste Rock Stockpile will be used for storage of waste rock. A portion of the stockpile will overlie the Southwest Lampbright Waste Rock Stockpile, Southwest Lampbright Waste Rock Stockpile Infill and Butress, and South Lampbright Leach Stockpile.

B101 Permit Modification

A. The modification of DP-376 includes authorization to construct the 805-acre Kessel Waste Rock Stockpile and associated infrastructure including two process water impoundments, Kessel Stormwater 1 and Kessel Stormwater 2. Approximately 167 acres of the Kessel Waste Rock Stockpile will overlie the Southwest Lampbright Waste Rock Stockpile, Southwest Lampbright Waste Rock Stockpile Infill and Buttress, and South Lampbright Leach Stockpile. The remainder of the stockpile footprint will be located south of the Southwest Lampbright Waste Rock Stockpile. The Kessel Stormwater 1 impoundment will overlie the Spring Below Reservoir 8. Mine units and monitoring wells associated with the modification are shown in Figures 3 and 4.

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B102 Other Changes

A. Other changes to DP-376 include incorporating DP-376 Amendment 24-01 titled, *Discharge Permit Amendment 24-01, DP-376; Lampbright Far East Sump Area Improvements; Lampbright Far East*, dated November 3, 2025, and DP-376 Amendment 24-02 titled, *Request for Additional Information, DP-376 Amendment Request 24-02, Raffinate Discharge Increase, and Northeast Lampbright Booster Tank*, dated December 18, 2025. The updated conditions from these amendments are not shown in redline/strikeout as they have already been incorporated into DP-376 upon amendment issuance.

~~B101~~B103 Permitting History

A. The Discharge Plan for DP-376 includes the Discharge Permit Renewal and Modification Application dated October 12, 2021, and the Discharge Permit Modification Application dated May 7, 2025, request for additional information response correspondences from the Permittee dated ~~May 31, 2022~~November 13, 2025, and March 13, 2026 ~~September 6, 2022, and February 10, 2023~~, and materials contained in the administrative record prior to issuance of this Discharge Permit. The Permittee provided a document dated October 2021 referred to as the Chino North Mine Area Master Document (NMA Master Document) which addresses Copper Mine Rule application requirements and is applicable to all the Permittee's discharge permits in the NMA, including DP-376. In addition, the Discharge Plan includes information and materials submitted as part of the original discharge plan approved on December 20, 1985, renewed on June 25, 1991, renewed and modified on October 30, 1996, May 14, 2004, June 17, 2010, August 14, 2017, and March 12, 2024; and amended on September 25, 1991, April 17, 1997, March 25, 1998, June 18, 1998, July 9, 1998, November 22, 2002, August 28, 2003, November 12, 2003, August 29, 2006, June 14, 2007, August 11, 2008, May 5, 2010, June 22, 2010, February 4, 2011, June 22, 2012, January 24, 2014, February 24, 2014, April 28, 2015, November 3, 2025 and December 18, 2025.

~~B102~~B104 Facility Location, Groundwater, and Process Water Characteristics

B. The mine units regulated pursuant to DP-376 are located approximately 5 miles northeast of Bayard and 4 miles southeast of Hanover in Sections 25, 26, 35 and 36, T17S, R12W, ~~and~~ Sections 30 and 31, T17S, R11W, Section 02, T18S, R12W, and Sections 01 and 06 T18S, R11W in Grant County.

C. Ground water beneath the mine units regulated pursuant to DP-376 ranges from approximately 7 to 140 feet and had a pre-discharge TDS concentration range from approximately 100 to 600 mg/L.

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D. The Main Lampbright, North Lampbright, and South Lampbright Leach Stockpiles, and the Southwest Lampbright Waste Rock Stockpile contain sulfide minerals which, when oxidized, generate acidic solutions. These acidic solutions react with in-situ minerals to produce acid rock drainage (ARD).

E. Process water and impacted stormwater discharges regulated pursuant to DP-376, including raffinate, PLS, and ARD typically exceed water quality standards of Section 20.6.2.3103 NMAC for aluminum, arsenic, cadmium, chloride, chromium, cobalt, copper, fluoride, iron, lead, manganese, nickel, sulfate, TDS, and zinc, and are typically outside the acceptable range for pH.

F. Water quality from sources used for dust control typically exceed water quality standards of Section 20.6.2.3103 NMAC for TDS, sulfate, iron, and manganese, and intermittently exceed Section 20.6.2.3103 NMAC water quality standards for pH, cobalt, fluoride, and selenium.

~~B103~~B105 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 unless otherwise noted and are located outside the Open Pit Surface Drainage Area (OPSDA) as defined by Section 20.6.7.7 NMAC, unless otherwise noted. Authorized mine units are displayed in Figures 1 and 3.

A. Leach Stockpiles

1. Main Lampbright and South Lampbright Leach Stockpiles – The Main Lampbright and South Lambright Leach Stockpiles (MLLS and SLLS) are contiguous stockpiles covering a footprint of approximately 663 acres. This area of impact is estimated to decrease to approximately 565 acres as the North Lampbright Leach Stockpile is constructed and the Southwest Lampbright Waste Rock Stockpile is expanded. The North Lampbright Leach Stockpile will overlap the northern portion of the Main Lambright Leach Stockpile by 56 acres and the Southwest Lampbright Waste Rock Stockpile will overlap the southwest portion of the Main Lampbright Leach Stockpile by 42 acres (Figure 1). PLS is collected at the base of the stockpiles in the Reservoir 8 PLS and Stormwater Collection System, Lampbright Far East PLS and Stormwater Collection System, Lampbright Sump 1, Lampbright Sump 2, Lampbright Sump 3, and the East Headwall Impoundment.

2. North Lampbright Leach Stockpile – The North Lampbright Leach Stockpile (NLLS) will be located north and abutting the Main Lampbright Leach Stockpile in the 187-acre footprint previously permitted for the North Lampbright Waste Rock Stockpile. The NLLS meets the definition of a "new leach stockpile" and is therefore subject to the requirements of

Paragraph (1) of 20.6.7.20.A NMAC. The waste rock foundation top surface will grade from east to west. The stockpile liner will overlay the waste rock foundation. The stockpile liner will consist of a 12-inch-thick-soil liner subgrade and a 60-mil HDPE geomembrane liner. A PLS collection system consisting of perforated pipes, non-perforated pipes and rock drains will be constructed above the stockpile liner. The collection system will convey PLS to the west end of NLLS and where it will report to FP2. Ore will be horizontally stacked above the PLS collection system and against the north outslope of MLLS.

B. Waste Rock Stockpiles

1. Southwest Lampbright Waste Rock Stockpile – The current footprint of the Southwest Lampbright Waste Rock Stockpile covers approximately 125 acres and will increase to approximately 167 acres upon build out.

2. Sediment Staging Area – The approximate seven-acre Sediment Staging Area, located along the northwest corner of the Main Lampbright Leach Stockpile, is a bermed area used to temporarily stage ore and/or dewater impacted material prior to placement on the leach stockpiles.

~~2.~~3. Kessel Waste Rock Stockpile – The total footprint of the Kessel Waste Rock Stockpile will be approximately 805 acres upon full build out. The stockpile meets the definition of a "new waste rock stockpile" subject to the requirements of Paragraph (1) of 20.6.7.21.C NMAC. Approximately 167 acres will overlie the Southwest Lampbright Waste Rock Stockpile, Southwest Lampbright Waste Rock Stockpile Infill and Butress, and the southwest outslope of the SLLS. The stockpile will overlie a portion of the Tributary 1 drainage south of Unlined Reservoir 8 and several east-flowing sub-tributaries of Tributaries 1 and 2.

C. Impoundments

1. Lined 8 Dam – Lined 8 Dam, part of the Reservoir 8 PLS and Stormwater Collection System, is a high-density polyethylene (HDPE)-lined impoundment with a storage capacity of approximately 470,000 gallons. Lined 8 Dam receives solution from Unlined 8 Dam. Lined 8 Dam is equipped with two 4,000 gallons per minute (GPM) capacity high-head pumps and one 600-GPM pump. Solution collected in the Lined 8 Dam can be pumped to either Reservoir 7 or the Stainless Steel PLS Tank. Lined 8 Dam also receives PLS overflows from the Stainless Steel PLS Tank during upset conditions (i.e., during a power or pipeline shutdown event), storm events or maintenance and repair activities. It is also equipped with a gravity overflow drain located at a height of sixteen ft. (6,138 ft. above mean sea level [amsl]) that conveys overflows to the Unlined 8 Dam, if necessary.

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2. Unlined 8 Dam – Unlined 8 Dam, part of the Reservoir 8 PLS and Stormwater Collection System, is an unlined impoundment with a dam spillway at an elevation of 6,145 ft. amsl, resulting in a storage capacity of 8,684,000 gallons. Unlined 8 Dam receives PLS seepage and impacted stormwater from MLLS and SLLS, impacted stormwater from Stormwater Settling Ponds 1 through 3, ~~and~~ solutions from Spring Below Reservoir 8, and Kessel Stormwater 1. It can also receive impacted stormwater from the Lampbright Far East Stormwater Impoundment. Unlined 8 Dam is equipped with two 2,000-GPM capacity barge pumps and one 4,500-GPM capacity vertical barge pump. Solution from Unlined 8 Dam is pumped to either Lined 8 Dam or the Stainless Steel PLS Tank. In the event that the pumps in Unlined 8 Dam fail, impacted stormwater and process water can flow by gravity back through the spillway and into Lined 8 Dam between elevations of 6,138 ft. amsl and 6,145 ft. amsl.

3. East Headwall Impoundment – The East Headwall Impoundment (EHI), located east of the NLLS, captures and stores process water, and impacted stormwater. It is constructed with a reinforced concrete headwall/ramp and double-lined HDPE containment pond equipped with a leak collection system. A perforated underdrain system is situated beneath the EHI. The perforated underdrain system consists of perforated piping set in gravel trenches excavated into bedrock, and a pump to convey collected solutions back into the EHI. The storage capacity is approximately 470,000 gallons and solutions drain by gravity to Lampbright Far East Sump at elevations above 6480 ft. amsl. The impoundment receives impacted stormwater from the NLLS and the north slope of the MLLS, as well as impacted groundwater from Interceptor Wells 376-97-06 and 376-2018-02 and Lampbright Sump 4. The EHI will also receive PLS from the MLLS through the East Underdrain. Solutions from the EHI currently discharge to the Lampbright Far East Sump. Solutions from the EHI will discharge to the Lampbright Far East Infiltration Pond until the NLLS is operational, at which point the solutions will discharge to the Lampbright Far East PLS Tank.

4. Fleming Pond 2 – Fleming Pond 2 (FP2) will be constructed in the footprint of Fleming Pond, which was previously an earthen impoundment regulated pursuant to DP-591 located inside the OPSDA. FP2 will be redesigned as a PLS impoundment with a capacity of 8,400,000 gallons. FP2 will be constructed with a single HDPE geomembrane liner placed on a 6-inch liner bedding layer. FP2 will receive PLS and impacted stormwater runoff from NLLS as well as PLS from West Underdrain Sump. It will also receive PLS from the Lampbright Far East PLS Tank. Solution from FP2 will be pumped to the SX/EW Plant PLS Pond. The FP2 pump station will consist of a platform-mounted system suspended over a concrete vault lined with a 60-mil HDPE geomembrane liner. The pump station will consist of four medium-voltage vertical turbine pumps with a capacity of 4,600 GPM each, and two low-voltage vertical turbine pumps with a capacity of 2,300 GPM each for a total

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pumping capacity of 23,000 GPM. An open conveyance overflow channel will direct overflow during a 100-year, 24-hour storm event west from FP2 to Reservoir 7. FP2 meets the definition of a "new impoundment" and is therefore subject to the requirements of Subsection D of 20.6.7.17 NMAC.

~~4.~~5. Lampbright Far East Stormwater Impoundment – The Lampbright Far East Stormwater Impoundment, part of the Lampbright Far East PLS and Stormwater Collection System, will be constructed east of the existing Lampbright Far East Sump. The HDPE-lined impoundment will have a capacity of approximately 5,070,240 gallons. The impoundment will receive impacted stormwater from the Lampbright Far East Infiltration Pond and the area immediately surrounding the impoundment. The impoundment is considered an Impacted stormwater impoundment that will store impacted stormwater for less than 30 days (see Paragraph (4) of 20.6.7.17.D NMAC). The impoundment will also receive impacted stormwater from the EHI before the NLLS is operational. The impoundment will discharge by gravity to a concrete vault east of the impoundment. The concrete vault will also receive impacted groundwater from the Lampbright Far East Interceptor Trench. Solutions from the concrete vault can either be pumped to Reservoir 7 via the Lampbright Stormwater Booster Tank or discharge by gravity via HDPE pipeline to Unlined Reservoir 8. The pipeline corridor from the concrete vault to Unlined Reservoir 8 will include an HDPE-lined secondary containment feature to direct potential spills to Unlined Reservoir 8. The concrete vault will be equipped with a 540-GPM capacity pump.

6. Kessel Stormwater 1 – The Kessel Stormwater 1 impoundment (KS1) will be located south of Unlined Reservoir 8 and constructed over Spring Below Reservoir 8. The impoundment will be constructed with a single HPDE geomembrane liner placed over an underdrain system. The underdrain system consists of perforated pipes laid in a herringbone pattern enveloped in gravel. Any solutions that previously discharged to Spring Below Reservoir 8 will discharge to the underdrain system. Solutions from the underdrain system will be pumped to Unlined Reservoir 8. The impoundment will have a capacity of approximately 35,191,955 gallons. The impoundment will receive impacted stormwater from the Kessel Waste Rock Stockpile, and process water from Kessel Stormwater 2. Solutions from the impoundment will be dewatered through an external enclosed concrete sump then pumped to Unlined Reservoir 8. KS1 will be constructed pursuant to Paragraph (4) of 20.6.7.17.D NMAC.

~~5.~~7. Kessel Stormwater 2 – The Kessel Stormwater 2 impoundment (KS2) will be located east of the Kessel Waste Rock stockpile. The impoundment will be constructed with a single HDPE geomembrane liner placed over an underdrain system. The underdrain system consists of perforated pipes laid in a herringbone pattern enveloped in gravel. Solutions from the underdrain will be pumped to KS1. The impoundment will have a

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capacity of approximately 2,671,982 gallons. The impoundment will receive impacted stormwater from the Kessel Waste Rock Stockpile, seepage from the Kessel 2 Underdrain, and process water from the Kessel Interceptor Trench. Solutions from the impoundment will be dewatered through an external enclosed concrete sump then pumped to KS1. KS1 will be constructed pursuant to Paragraph (4) of 20.6.7.17.D NMAC.

D. Sumps, Tanks, Pipelines and Other Containment Systems

1. Reservoir 8 PLS and Stormwater Collection System:

a. Stainless Steel PLS Tank – The Stainless Steel PLS Tank has a capacity of 371,846 gallons. The tank is used to transfer PLS and impacted stormwater from the Lampbright Leach System and the Lampbright Far East PLS Tank to the PLS Feed Pond at the SX/EW Plant, Reservoir 7, the Lampbright Stormwater Booster Tank, or recycle back to the Lampbright Leach Stockpiles. The tank is equipped with six high-head pumps with pumping capacities of 4,300 GPM each for a total pumping capacity of approximately 37,152,000 GPD.

b. Spring Below Reservoir 8 (SBR8) – Spring Below Reservoir 8 (SBR8) is a surface water diversion and extended concrete dam that collects seepage below the Reservoir 8 area. Seepage from SBR8 is pumped into Unlined 8 Dam via a submersible pump. SBR8 also includes a horizontal French drain system with overlying HDPE liner that separates clean stormwater from seepage. SBR8 will be removed as part of KS1 construction.

c. Stormwater Settling Ponds 1 through 3 – Three concrete-lined stormwater sediment settling ponds convey impacted stormwater by gravity in HDPE pipes to Unlined 8 Dam.

d. Seepage Collection Wing Walls 1 through 11 – Eleven (11) Seepage Collection Wing Walls and associated collection trenches collect PLS from the toe of SLLS. Collected seepage is conveyed to the Stainless Steel PLS Tank via HDPE piping. The wing walls are constructed using acid-resistant concrete headwalls with keyed-in HDPE liners.

2. Lampbright Groundwater Interceptor Systems

a. Several groundwater interceptor wells (IW)s are utilized to capture impacted groundwater and acidic seep solutions within the DP-376 permit area. These include 376-00-01, 376-2007-01, LB10, 376-97-06, TLB30, 376-2004-06, and 376-2018-02 (formerly known as EHI Interceptor Well). IWs 376-00-01 and 376-2007-01 will be plugged and abandoned during improvements to the Lambright Far East area. IW 376-2004-06 will be plugged and abandoned for construction of the Kessel Waste Rock Stockpile.

b. The improvements to the Lambright Far East area will include construction and operation of a groundwater interceptor trench system located east of the Lampbright Far East Stormwater Impoundment and along a sub-tributary of Tributary 2. The

trench system will intercept groundwater downgradient of the impoundment. A trench will be excavated along the tributary approximately 225 feet long, 20 feet deep, and 2 feet wide into the underlying bedrock with a minimum 1% grade toward the east. A perforated HDPE pipeline will be installed along the bottom of the excavation and bedded with a minimum of 6-inch thick drainage gravel layer around the pipeline. The rest of the excavation will be backfilled with native material. The perforated pipeline will discharge by gravity to a concrete manhole and then be pumped to the Lampbright Far East Stormwater Impoundment concrete vault. The Permittee will utilize a temporary submersible trash pump at the concrete manhole during and immediately after construction of the trench. A permanent pump will be installed at the concrete manhole after construction.

~~e.~~c. Impacted groundwater from interceptor wells 376-00-01, 376-2007-01, and LB-10 is pumped to the existing Lampbright Far East Sump. Impacted groundwater from IW LB-10 and the Lampbright Far East Interceptor Trench will be pumped to the Lampbright Far East Stormwater Impoundment concrete vault after improvements to the Lambright Far East area are complete. Impacted groundwater from interceptor wells 376-97-06 and 376-2018-02 is pumped to EHI. Impacted groundwater from interceptor well TLB30 is pumped to Seepage Collection Wing Wall 10 and impacted groundwater from interceptor well 376-2004-06 is pumped to Seepage Collection Wing Wall 1.

d. Construction of the Kessel Waste Rock Stockpile will include construction and operation of a groundwater interceptor trench system (Kessel Interceptor Trench) located southwest of the stockpile below the confluence of Tributaries 1 and 2. The trench will intercept groundwater downgradient of the stockpile. A trench will be excavated along the tributary approximately 100 feet long, 20 feet deep, and 2 feet wide with a minimum 1% grade toward the east. A perforated HDPE pipeline will be installed along the bottom of the excavation and bedded with a minimum of a six-inch thick drainage gravel layer around the pipeline. The rest of the excavation will be backfilled with native material. Solutions collected in the groundwater interceptor trench system will discharge by gravity to a concrete sump and then be pumped to the KS2.

e. Construction of the Kessel Waste Rock Stockpile will include construction and operation of finger drains beneath the stockpile. The drains will be located in the east-flowing sub-tributaries of the Kneeling Nun Ridge that will be buried by the stockpile. The drains will be constructed near where the sub-tributaries daylight from the outslope of the stockpile. The drains will collect seepage and groundwater from beneath the Kessel Waste Rock Stockpile. Solution from the finger drains will discharge by gravity to the Kessel Interceptor Trench concrete sump.

f. Construction of the Kessel Waste Rock Stockpile will include construction of the Haul Road Underdrain beneath the stockpile. The underdrain will consist of a buried pipeline along Tributary 1 from KS1 to KS2 surrounded by minimum of a six-inch thick drainage gravel layer around the pipeline. The pipeline will be sealed during operations and used at closure after reclamation of the Kessel Waste Rock Stockpile, Main Lampbright and South Lampbright Leach Stockpiles to discharge non-impacted

stormwater from KS1 to Tributary 1. The drainage gravel surrounding the pipeline will collect seepage beneath the stockpile during operations and discharge by gravity to KS2 underdrain sump.

3. Lampbright Far East Sump – The Lampbright Far East Sump (LFES), located along the eastern edge of MLLS, is a concrete headwall and HDPE-lined containment sump with a storage capacity of approximately 1,173,064 gallons. LFES receives PLS and impacted stormwater runoff from MLLS, solution from EHI, and impacted groundwater from Interceptor Wells LB10, 376-00-01, and 376-2007-01. LFES is equipped with two barge pumps with pumping capacities of 3,000 GPM each and one variable frequency drive pump with a pumping capacity between 300-1,200 GPM. Solution from LFES is pumped to either the Stainless Steel PLS Tank, the Lampbright Stormwater Booster Tank, or Unlined 8 Dam. The LFES will be converted into the Lampbright Far East Infiltration Pond as part of improvements to the Lambright Far East area. See Condition B104.D.15.c for a description of the Infiltration Pond.

4. Lampbright Sump 1 (LBS-1) – LBS-1, an earthen sump located on the north side of the Main Lampbright Leach Stockpile, is used to collect PLS from the MLLS, Lampbright Sump 2 and Lampbright Sump 3. It has a storage capacity of approximately 5,000,000 gallons. It is equipped with two 2,000-GPM floating barge pumps and one back-up portable diesel pump to convey solutions to Reservoir 7, the PLS Feed Pond, or the Raffinate Tank at the SX/EW Plant. LBS-1 will eventually be buried by construction of the NLLS. The floating barge and diesel pumps will be relocated to the West Underdrain Sump. LB-1 will be backfilled with rock drain material and become part of the West Underdrain during construction of the NLLS foundation.

5. Lampbright Sump 2 (LBS-2) – LBS-2, an earthen sump located on the north side of MLLS, is an operational containment used to collect PLS from MLLS and Lampbright Sump 3. It gravity drains to LBS-1 and has a storage capacity of approximately 5,000,000 gallons. LB-2 will be backfilled with rock drain material and become part of the West Underdrain during construction of the NLLS foundation.

6. Lampbright Sump 3 (LBS-3) – LBS-3, an earthen sump located on the north side of MLLS, is an operational containment used to collect PLS from the MLLS. LBS-3 also collects impacted groundwater to prevent it from entering Lampbright Tributary 2. It has a storage capacity of approximately 1,200,000 gallons. LBS-3 is equipped with a 1,400-GPM pump, a 2,200-GPM pump, and a 2,000-GPM portable diesel pump. Solution from LBS-3 is pumped to LBS-2. A sub-surface French interceptor trench is an extension of the surface LBS-3 that collects intermittent flows of 15-30 GPM of seepage which is conveyed to LBS-3. LB-3 will be backfilled with rock drain material and become part of the West Underdrain

during construction of the NLLS foundation.

7. Lampbright Sump 4 (LBS-4) – LBS-4 is located northeast of the Main Lampbright Leach Stockpile and is a subsurface sump (slotted vertical HDPE pipe with sump pump) that collects seepage or groundwater from Seep LB2401 to prevent it from entering Lampbright Tributary 2. Solution collected at LBS-4 is pumped to the EHI.

8. West Underdrain Sump – The West Underdrain Sump (WUS) will be an earthen sump with a capacity of 1,303,000 gallons located west of the NLLS and inside the OPSDA. The WUS will collect PLS from the West Underdrain and impacted stormwater runoff from the MLLS and the NLLS. Solution from the WUS will be pumped to FP2. The two barge pumps currently located at LB-1, with pumping capacities of 2,000 GPM each, will be relocated to WUS. The WUS meets the definition of a "new impoundment" and is therefore subject to the requirements of Subsection D of 20.6.7.17 NMAC as well as capacity requirements of Paragraph 2 of 20.6.7.17.D NMAC.

9. West Underdrain – The West Underdrain will be part of the solution collection system for the NLLS and will be constructed as part of the foundation of the NLLS. The West Underdrain will collect PLS seepage from the MLLS that previously reported to LBS-1, LBS-2, and LBS-3. LBS-1, LBS-2, and LBS-3 will be backfilled with rock drain material. The West Underdrain will consist of rock drains connecting LBS-1, LBS-2, and LBS-3 to the WUS. Solutions collected in the West Underdrain will flow by gravity to the WUS. LBS-1, LBS-2, and LBS-3 will no longer function as sumps after the West Underdrain is constructed.

10. East Underdrain – The East Underdrain will consist of perforated piping encased in drainage gravel and will divert PLS to the EHI from the MLLS that cannot be diverted by the West Underdrain. Construction of NLLS will include a seepage cutoff wall between the stockpile and the EHI to minimize process water from travelling past the EHI. The seepage cutoff wall will consist of a low-permeability barrier across the entire width of the Lampbright Cut and extend approximately 10-20 ft. below ground surface to the top of competent bedrock. The seepage cutoff wall will include a gravel collection trench on the west side of the wall to prevent mounding of solution. Solution collected in this gravel trench will drain by gravity to the EHI.

11. Northeast Lampbright Raffinate Booster Station – The stainless-steel booster tank located at the northeast corner of the MLLS has a capacity of 475,000 gallons and a design flow of 30,960,000 GPD. Raffinate is conveyed to the tank from the SX/EW Raffinate Pond and is discharged to either the MLLS, or SLLS, via six 3,584-GPM pumps.

12. Lampbright Stormwater Booster Tank – The stainless-steel booster tank has a storage capacity of 15,650 gallons and is located on the eastern flank of MLLS approximately 500

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ft. southwest of the Lampbright Far East Infiltration Pond. The tank receives impacted stormwater, and process water from either the Reservoir 8 Stainless Steel PLS Tank, Unlined 8 Dam, or Lampbright Far East Stormwater Impoundment. Solution from the tank is pumped to Reservoir 7 by one vertical turbine pump with a pumping capacity of 3,450 GPM. Overflow from the tank reports to Unlined 8 Dam.

13. Lampbright Tank – The carbon-steel storage tank and associated Lampbright Spout are located just off the northwest corner of the Main Lampbright Stockpile at the Lampbright Fast Fuel Dock area. It has a storage capacity of approximately 47,000 gallons and is used to store process water utilized for dust suppression.

14. Pipelines – Pipelines, including the Lampbright PLS Pipelines, serving the DP-376 mine units consist of HDPE and stainless-steel material and range in size from 6 inches or less in diameter to greater than 16 inches in diameter. Pipelines located outside of the OPSDA have secondary containment structures pursuant to Subparagraph (c) of 20.6.7.23.A(1) NMAC. The pipelines are described in Table 7 and Figure 4 of the NMA Master Document.

~~14.~~15. Lampbright Far East PLS and Stormwater Collection System:

a. Mechanically Stabilized Earthen Wall PLS Collection System – The Mechanically Stabilized Earthen Wall PLS Collection System will be approximately 1,275-foot long and located along the eastern toe of the MLLS directly west of the existing Lampbright Far East Sump. Approximately 20-50 feet of MLLS material and approximately one foot of underlying bedrock will be excavated. A perforated HDPE pipeline will be constructed along the western edge of the excavated bedrock and will be surrounded by drainage gravel. Free draining granular back fill will be compacted into the rest of the excavation ranging in height above the MLLS stockpile between approximately 2.4 feet on the south side, 34 feet near the Infiltration Pond, and 3 feet on the north end forming a stabilized earthen wall. PLS collected in the perforated pipeline will discharge by gravity to the Lampbright Far East PLS Tank. A stormwater conveyance located along the top of the wall will direct MLLS impacted stormwater north around the wall and then south to the Lampbright Far East Infiltration Pond.

a. PLS Tank – The PLS Tank consists of a stainless steel tank with a capacity of 1,000,000 gallons. The tank will be located east of the Lampbright Far East Infiltration Pond and west of the Lampbright Far East Stormwater Impoundment. The tank will receive PLS from the Lampbright Far East Mechanically Stabilized Earthen Wall PLS Collection System and the EHI once the NLLS is operational. Solution from the tank can be pumped to FP2 or the Reservoir 8 Stainless Steel PLS Tank. The tank is equipped with 4 pumps with 5,000 GPM pumping capacity. The tank will be located inside of a HDPE-lined secondary containment feature which will direct any potential spills to the Lampbright Far East Stormwater Impoundment.

b. Infiltration Pond – The Infiltration Pond will be located in the footprint of the existing Lampbright Far East Sump. The existing Lampbright Far East Sump HDPE liner will be

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replaced and a 1-foot-thick layer of drainage gravel will be placed over the new liner. The existing concrete sump drain will also be filled with drainage gravel, and an HDPE drainpipe will be installed below the sump drain. The infiltration pond will receive impacted stormwater from the Lampbright Far East Mechanically Stabilized Earthen Wall PLS Collection System stormwater conveyance and the area immediately surrounding the Infiltration Pond. It will also receive solutions from the EHI until the NLLS is operational. The Infiltration Pond is not expected to store solutions long-term and will discharge by gravity to the Lampbright Far East Stormwater Impoundment

E. Flow Measurement

1. 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-376 are described in Table 1 of this Discharge Permit as well as Table 9, and Figure 6 of the NMA Master Document. Each Lampbright Groundwater Interceptor ~~Well~~System component; namely, the EHI, KS1, and KS2 underdrain solution collection systems, and the EHI leak detection system, are equipped with pumps and associated flow meters in order to fulfill, in part, the requirements of Subsection E and H of 20.6.7.29 NMAC.

F. Truck and Equipment Washing Units

1. Southwest Energy Truck and Equipment Wash Pad – The reinforced cast-in-place concrete truck and equipment wash unit is equipped with a mud/grit trap waste sump and oil-water separator. Wash water exiting the sump is conveyed by gravity to Reservoir 7 for reuse in the process water circuit. The wash pad is located inside the OPSDA and meets the design requirements of Subsection A of 20.6.7.26 NMAC.

G. Conditionally Exempt Reclamation Cover Material Stockpile

1. Rubio Peak Reclamation Cover Material Stockpile – The Rubio Peak Reclamation Cover Material Stockpile will be located east of Unlined Reservoir 8 and will cover approximately 50 acres. The stockpile will be composed of un-mineralized volcanic waste rock proposed for use as reclamation material.

~~1.~~2. Pending adherence to the most recent approved Material Characterization and Handling Plan, the Rubio Peak Reclamation Cover Material Stockpile is not expected to generate water contaminants that exceed the water quality standards of Section 20.6.2.3103 NMAC and is conditionally exempt from applicable requirements listed in Subsection B of 20.6.7.21 NMAC.

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~~B104~~B106 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 up to 29,232,000 GPD of raffinate from the SX/EW Plant to the MLLS, SLLS, and NLLS for the purpose of leaching copper.

B. The Permittee is authorized to place ore from the Santa Rita Open Pit, ore from the Continental Mine including Hanover Mountain, impacted material resulting from cleaning out permitted mine units, and discharge water contaminants resulting from placement of these materials within the authorized MLLS, SLLS, and NLLS footprints.

C. The Permittee is authorized to place waste rock from the Santa Rita Open Pit within the authorized Southwest Lampbright and Kessel Waste Rock Stockpiles footprint and discharge water contaminants resulting from the placement of such materials. In addition, the Permittee is authorized to place waste rock and construct a toe buttress between SLLS and Southwest Lampbright Waste Rock Stockpile (former Southwest Lampbright Pipeline Corridor).

D. The Permittee is authorized to temporarily stage ore and/or dewater impacted material in the Sediment Staging Area prior to placement on the leach stockpiles.

E. The Permittee is authorized to discharge up to 29,232,000 GPD of raffinate from the Northeast Lampbright Raffinate Booster Station to MLLS and SLLS.

F. Reservoir 8 PLS and Stormwater Collection System:

1. Lined 8 Dam
2. Unlined 8 Dam
3. Stainless Steel PLS Tank
4. Spring Below Reservoir 8
5. Stormwater Settling Ponds 1 through 3
6. Seepage Collection Wing Walls 1 through 11

G. East Headwall Impoundment

H. Fleming Pond 2

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I. Kessel Stormwater 1

~~H.~~J. Kessel Stormwater 2

~~I.~~K. Lampbright Groundwater Interceptor Systems

L. Lampbright Far East Sump

~~J.~~M. Lampbright Far East PLS and Stormwater Collection System:

1. Mechanically Stabilized Earthen Wall PLS Collection System
2. PLS Tank
3. Infiltration Pond
4. Stormwater Impoundment and concrete vault

~~K.~~N. Lampbright Sumps 1 through 4

~~L.~~O. West Underdrain Sump

~~M.~~P. Northeast Lampbright Raffinate Booster Station

~~N.~~Q. Lampbright Stormwater Booster Tank

~~O.~~R. Lampbright Tank

~~P.~~S. The Permittee is authorized to discharge water from the Café Queue Spout, Frog Pond Spout, South Side Spout, Lampbright Spout, and the Island Queue Spout for dust suppression within the area covered by this Discharge Permit including the leach and waste rock stockpiles, and associated haul roads. Dust suppression discharge volumes, monitoring, and reporting requirements are set forth in DP-459.

~~Q.~~T. The Permittee is authorized to discharge up to 1,000 GPD of wash water from the Lampbright Fast Fuel Dock Equipment Wash Pad to Reservoir 7.

~~R.~~U. 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, Subsection G of 20.6.7.30 NMAC, and any additional requirements listed in this Discharge Permit.

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Part C FACILITY SPECIFIC REQUIREMENTS

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

C100 Leach Stockpiles

A. The Permittee shall operate the MLLS, SLLS, and NLLS pursuant to the applicable operational requirements of Subsection C of 20.6.7.20 NMAC.

B. Pursuant to Paragraph (1) of 20.6.7.20.C NMAC, the MLLS, SLLS, and NLLS shall not deviate from the 794-acre footprint, location, or configuration as displayed in Figure 1 of this Discharge Permit.

C. Construction of new leach stockpiles; or expansion of stockpiles beyond footprints identified in Figure 1 of this Discharge Permit, or for the purpose of facility closure as approved through DP-1340, must be evaluated in accordance with the requirements of Section 20.6.7.20 NMAC and may be subject to additional permitting requirements as described in Condition D107.

D. Pursuant to conclusions in a May 1996 report entitled, "Phase III Ground Water Flow Modeling for Lampbright Draw," the Permittee shall not leach side slopes of the southeast corner of the South Lampbright Leach Stockpile as shown on Figure 1 of the report. [20.6.2.3109 NMAC]

E. North Lampbright Leach Stockpile (NLLS)

1. The design, construction, and location of NLLS, as described in B104, shall be in accordance with the applicable engineering and construction requirements of Paragraph (1) of 20.6.7.17.C, Subsection A and Subsection B of 20.6.7.20 NMAC, and submittals included as part of the Discharge Plan.

2. Pursuant to Section 20.6.7.19 NMAC, the Permittee shall meet all setback requirements for the NLLS.

3. The Permittee shall notify NMED 30 days prior to backfill of LBS-1, LBS-2, and LBS-3 with rock drain material and indicate the flow rate of PLS discharging to the three sumps.

4. The Permittee shall notify NMED 7 days prior to initiation of placement of the waste rock foundation within the authorized NLLS footprint.

5. The Permittee shall provide NMED with a monthly progress report summarizing construction activities completed for the NLLS and associated infrastructure including Fleming Pond 2 and West Underdrain Sump. The progress reports shall include images that

identify the construction progress of NLLS. The images shall be taken with an aerial drone when practicable. The images shall be acquired before and after construction of the West Underdrain, East Underdrain, WUS, FP2, FP2 open conveyance overflow channel, seepage cutoff wall, and construction of the waste rock foundation; after construction of the stockpile liner soil subgrade, after construction of the stockpile liner, and after construction of the stockpile solution collection system pipelines. The images from each stage of construction shall display the entire footprint of the NLLS or associated infrastructure. Multiple images may be used for each construction stage. Monthly reports shall be submitted until commencement of leach rock placement within the authorized NLLS footprint.

6. Pursuant to Roman Numeral (i) of 20.6.7.17.C.1.b NMAC, the Permittee shall submit, the list of names and associated organizations of personnel chosen for positions identified in the North Lampbright Leach Stockpile Design Report Section 2.0 of Appendix D titled *Liner System Quality Assurance/Quality Control Plan North Lampbright Leach Facility* dated October 7, 2021, including the Construction Manager, Design Engineer, Certifying Engineer, Earthworks Contractor, Geosynthetics Installer, and QC Manager. The Permittee shall also identify the QC Earthwork Testing Laboratory, and the QC Geomembrane Testing Laboratory. The Permittee shall supply this information at least 30 days prior to commencement of construction of the liner subgrade.

7. The permittee shall notify and obtain approval from NMED in accordance with Condition D107 prior to implementing any proposed changes to the NLLS design 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.

8. Pursuant to Paragraph (1) of 20.6.7.18.B NMAC, the Permittee shall notify the department at least five working days before starting construction of the NLLS liner system to allow for an inspection by NMED.

9. Pursuant to Paragraph (2) of 20.6.7.18.B NMAC the Permittee shall submit a construction certification report verifying that installation and construction of the liner system was completed pursuant to Subsections C and D of 20.6.7.17 NMAC. The construction certification report shall include as-built drawings, final specifications, final capacity calculations and the CQA/CQC report. Pursuant to Paragraph (3) of 20.6.7.18.B NMAC, the construction certification report shall be submitted to NMED prior to discharge or placement of ore on the liner system.

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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 Paragraphs (~~2~~1) through (8) of 20.6.7.21.D NMAC including the requirement to place waste rock on waste rock stockpiles to plan for closure, to the extent practicable, and be in accordance with the operating plan ~~required in Condition C108.I~~submitted in the correspondence from the Permittee titled, *Response to Request for Additional Information Discharge Permit 376 (DP-376) Kessel Waste Rock Stockpile Modification*, dated November 13, 2025, (Sections 20.6.7.18, 20.6.7.21 and 20.6.7.33 NMAC).

~~C.~~A. Pursuant to Paragraph (1) of 20.6.7.21.D NMAC and Paragraph (1) of 20.6.7.21.B NMAC, the ~~Southwest Lampbright~~Kessel Waste Rock Stockpile shall not exceed the footprint of ~~167~~ 805 acres, location, and configuration as shown in Figure ~~1~~ 3 of this Discharge Permit. The Permittee may only expand the footprint for the purpose of facility closure as approved through the Supplemental Discharge Permit for Closure, DP-1340, or through an NMED-approved permit amendment or modification to DP-376.

~~D.~~B. Construction of new waste rock stockpiles; or expansion of waste rock stockpiles beyond footprints, location, or configuration identified in Figures 2 and 3 of this Discharge Permit, or for the purpose of facility closure as approved through DP-1340, 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 Section D107.

C. Waste rock shall be handled in accordance with applicable requirements of Section 20.6.7.21 NMAC and the NMED-approved material characterization and handling plans summarized and referenced in the Chino NMA Master Document and titled: “Waste Rock Characterization, Chino Mine,” dated August 10, 1998, and “Materials Handling Plan South Pit Area” dated July 7, 2006.

D. Kessel Waste Rock Stockpile

1. Pursuant to Subparagraph (b) of 20.6.7.21.B(1) NMAC, the Permittee shall construct finger drains beneath the Kessel Waste Rock Stockpiles in locations described in the correspondence from the Permittee titled *Response to Request for Additional Information Discharge Permit 376 (DP-376) Kessel Waste Rock Stockpile Modification*, dated November 13, 2025, and the correspondence from NMED titled, *Second Request for Additional Information, Discharge Permit 376, Kessel Waste Rock Stockpile Modification Application*, dated February 17, 2026.

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C102 Truck and Equipment Washing Unit

A. The Permittee shall operate the existing Lampbright Fast Fuel Dock Truck and Equipment Wash in accordance with the applicable requirements of Subsection C of 20.6.7.26 NMAC.

C103 Impoundments

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

B. The Permittee shall operate all impoundments in accordance with the applicable requirements of Subsection F of 20.6.7.18 NMAC.

1. In accordance with Paragraph (4) of 20.6.7.18.F NMAC, all impoundments shall be maintained to achieve a minimum of 2 ft. of freeboard.

C. The water level in the Lined 8 Dam, Unlined 8 Dam, Lampbright Far East Stormwater Impoundment, KS1, and KS2 shall be maintained as low as practicable under standard operating conditions.

D. Pursuant to Section 20.6.7.19 NMAC, the Permittee shall meet all setback requirements for the West Underdrain Sump.

E. The FP2 open conveyance overflow channel shall meet the applicable engineering requirements of Subsection (D) of 20.6.7.17 NMAC.

F. As detailed in the North Mine Area (NMA) Sitewide Water Management Plan, in the event that the water level in the Un-lined 8 Dam reaches 6,138 ft. amsl, the Hydromet Operations Department shall contact Environmental Services to ensure that the pumps in the Un-lined 8 Dam are operated to remove excess water.

G. Pursuant to Subsection B of 20.6.7.18 NMAC, the Permittee shall submit a construction certification report within 120 days of construction completion, and before discharging, for all new impoundments that require a liner system.

1. The Permittee shall submit construction certification reports for all proposed HDPE-lined mine units associated with the Lampbright Far East area improvements including the Lampbright Far East Stormwater Impoundment, Infiltration Pond, PLS Tank secondary containment, and the lined secondary pipeline containment feature from the Lampbright Far East area to Unlined Reservoir 8. The reports may be combined into a singular report or submitted separately as needed.

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2. The Permittee shall submit construction certification reports for all proposed HDPE-lined mine units associated with the Kessel Waste Rock Stockpile including KS1 and KS2. The reports may be combined into a singular report or submitted separately as needed.

~~G.~~H. Lampbright Far East Stormwater Impoundment

1. The design, construction, and location of the Lampbright Far East Stormwater Impoundment, as described in B104, shall be in accordance with the applicable engineering and construction requirements of Subsections C and D of 20.6.7.17 NMAC, and associated submittals included as part of the Discharge Plan.

2. Pursuant to Paragraph (4) of 20.6.7.17.D NMAC, and as described in the document titled, *Lampbright Far East Sump Hydraulics Design Report for Agency Review*, dated August 7, 2024, the Permittee shall drain the Lampbright Far East Stormwater Impoundment of all solutions within 30 days of a storm event.

I. KS1 and KS2 Impoundments

1. Pursuant to Paragraph (4) of 20.6.7.17.D NMAC, the Permittee shall drain the KS1 and KS2 impoundments of solutions within 30 days of a storm event.

C104 Sumps, Tanks, Pipelines, and Other Containment Systems

A. The design, construction and location of all pipelines, tanks, and sumps shall be in accordance with the Discharge Plan, 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, specifications, and supporting design calculations for any proposed or required tanks, pipelines, sumps, or other containment systems, including any replacements thereof, shall be submitted for NMED approval a minimum of 30 days prior to the commencement of construction pursuant to Paragraph (2) of 20.6.7.17.C NMAC, Section 20.6.7.23 NMAC. This 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 Subsection J of 20.6.7.33 NMAC, upon discontinuing the operation of, or before moving tanks, pipelines, sumps, or other containment systems, all liquids shall be released to a location specifically authorized in the discharge permit, an alternate location subject to

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NMED approval, or otherwise properly contained, transferred, or disposed of in a manner that does not result in discharge to unauthorized areas.

E. Pursuant to Subsection B of 20.6.7.18 NMAC, the Permittee shall submit construction plans to increase the capacity of Lambright Far East Sump within 90 days of the effective date of this permit (June 10, 2024). LFES will regularly receive process water and stormwater, and therefore its capacity will need to meet requirements of Subparagraph (c) of 20.6.7.17.D.2 NMAC and maintain 2 ft. of freeboard at all times. The redesigned LFES shall be engineered to prevent future MLLS seepage from traveling east toward Tributary 2.

1. Pursuant to Paragraph (2) of 20.6.7.17.C NMAC, the construction plans, and specifications for the improvement of LFES shall address the management of solids, waste, process water and other water contaminates generated during preparation and construction of the improved LFES.

F. When operating the MLLS and SLLS System at or near the maximum raffinate discharge rate, the minimum pumping capacity of the Stainless Steel PLS Tank shall be 23,000 GPM. If the Permittee applies lower flow rates of raffinate, the Permittee shall maintain a pumping capacity 25 percent greater than the raffinate application rate with a minimum pumping capacity of 5,600 GPM for storm events.

~~F.~~G. Lampbright Far East PLS and Stormwater Collection System

1. The design, construction, and location of the Lampbright Far East PLS and Stormwater Collection System as described in B104, Mechanically Stabilized Earthen Wall PLS Collection System, Infiltration Pond, PLS Tank, impacted stormwater conveyance, non-impacted stormwater conveyances, and associated pipelines shall be in accordance with the applicable engineering and construction requirements of Subsections C and D of 20.6.7.17 NMAC, Subsections A and C of 20.6.7.23 NMAC, and associated submittals included as part of the Discharge Plan.

2. The Permittee shall submit as-built drawings within 120 days of construction completion for all other mine units associated with the Lampbright Far East area improvements including the Mechanically Stabilized Earthen Wall PLS Collection System, PLS Tank, Stormwater Impoundment concrete vault, impacted stormwater conveyances, and non-impacted stormwater conveyances. The as-built drawings shall include verification that installation and construction were completed pursuant to Subsections C and D of 20.6.7.17 NMAC, final specifications, final capacity calculations, and a description of any deviations from the original plans and specifications included as part of the Discharge Plan. The reports may be combined into a singular report or submitted separately as needed.

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C105 Lampbright Groundwater Interceptor Systems

A. The Permittee shall take all necessary actions to ensure that the Lampbright Groundwater Interceptor Systems and seepage collection systems are operating as efficiently as possible at all times in order to minimize impacts to groundwater. The Permittee shall expand or add additional interceptor wells, seepage and/or collection systems as needed to address new areas of contamination when ongoing groundwater monitoring indicates such measures are needed. Any recommendations for improvement to the Lampbright Groundwater Interceptor Systems shall be included in the annual evaluation report required by Condition C108.C. [20.6.2.3109 NMAC]

B. Due to improving groundwater quality proximal to Interceptor Well TLB30, NMED previously approved discontinuing pumping of Interceptor Well TLB30 in a correspondence titled, *Monitoring and Interceptor Well System Report Comment Letter, Condition C107.D, DP-376, Lampbright Leach System*, dated June 7, 2022. The Permittee shall reestablish pumping impacted groundwater from this interceptor well based on the results and recommendations from the report titled, *Chino Lampbright DP-376 Interceptor System Performance Evaluation – 2022*, dated March 31, 2023 (2023 Interceptor Report).

~~B.~~C. Lampbright Far East and Kessel Interceptor Systems

1. The design, construction, and location of the Lampbright Far East and Kessel Interceptor Trench Systems as described in B104 shall be in accordance with the applicable engineering and construction requirements of Paragraph (1) of 20.6.7.21.B NMAC, and submittals included as part of the Discharge Plan.

2. Pursuant to Roman Numeral (viii) of 20.6.7.21.B(1)(d) NMAC, The Permittee shall submit as-built drawings within 120 days of construction completion for the Lampbright Far East and Kessel Interceptor Trench Systems including the associated concrete manhole and sump as well as the Kessel Haul Road Underdrain and Kessel Finger Drains. Include with the as-built drawings all information required by Subsection K of 20.6.7.28 NMAC, final specifications, final capacity calculations, and a description of any deviations from the original plans and specifications included as part of the Discharge Plan.

~~C.~~D. The Permittee shall continue to operate IW 376-2004-06 until it is plugged and abandoned for Kessel Waste Rock Stockpile construction.

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C106 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 most recent version of the Sitewide Water Management Plan and as required by this Discharge Permit.

B. The Permittee shall inspect monthly or after rain events exceeding one inch - as determined by the nearest appropriate rain gauge(s) - all stormwater impoundments, conveyance channels, and collection ponds for evidence of stormwater accumulations that exceed designed capacities or containing excessive sediment buildup. Inspections after one-inch rain events shall occur as soon as practicable. If any inspection reveals a condition that may compromise the ability of a stormwater management structure to function properly, it shall be reported in accordance with Subsection I of 20.6.7.30 NMAC (see Condition C108.C).

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 monthly for evidence of malfunction and repair or replace malfunctioning flow meters within 30 days of or as soon as practicable following discovery.

C108 Monitoring and Reporting

A. Pursuant to applicable requirements of Sections 20.6.7.28 and 20.6.7.29 NMAC, the Permittee shall collect, preserve, transport, analyze, and report samples of groundwater, surface water, and process water samples from the facility in accordance with Table 1 of this Discharge Permit, and any additional requirements listed in this Discharge Permit. Table 1 provides a summary of the monitoring and reporting requirements. Figures 2, 2A, 2B, 2C, ~~and~~ 2D, 3, and 4 of this Discharge Permit show sampling locations.

B. Samples of stormwater, PLS, and process water, including seeps, shall be analyzed for total and dissolved concentrations in accordance with Table 1. Samples of groundwater and springs 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 contain all quarterly monitoring data and information collected pursuant to the requirements of this Discharge Permit, and the applicable requirements of Sections 20.6.7.18 and 20.6.7.29 NMAC. Semi-annual reports are due by February 28 and August 31 of each year. Data or reports required to be submitted annually shall be submitted in the monitoring report due by February 28 of each year.

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D. Within 180 days of permit effective date (by September 9, 2024) the Permittee shall submit to NMED the period of record for the following monitoring locations in a single Excel file: 376-04-02, 376-04-03, 376-2018-02, 376-97-02, 376-97-06, Lampbright Sump 4, 376-2008-01, 376-98-01, 376-2009-02, 376-2009-03, 376-2018-01, 376-2009-04, LB10, 376-00-01, 376-2007-01, 376-2012-01, 376-2011-01, TLB26, TLB27, TLB29, TLB30, TLB11, 376-2005-01, 376-2005-02, 376-2005-03, 376-2004-04, LB7D, LB7S, 376-2005-04, LB1, LB2, LB3, LB4, LB5, 376-2005-05, 376-2007-03, 376-2004-06, TLB33A, TLB33B, 376-2004-05, TLB35A, TLB35B, TLB17, and Spring Below Reservoir 8. The period of record shall include all available groundwater quality and groundwater elevation data.

E. 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]

F. Groundwater

1. The Permittee shall monitor groundwater at locations specified by Subsection B of 20.6.7.28 NMAC and listed in Table 1 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, installed prior to the effective date of the Copper Mine Rule, have been identified to be 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 the DP-376 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-monitoring reports in the format specified by Subsection C of 20.6.7.29 NMAC.

4. Monitoring Wells LB-EAST, LB1, TLB29, and 376-97-06 shall be sampled for Organic Parameters I (Total Petroleum Hydrocarbons (TPH)) in addition to the Table 1 monitoring schedule. Analytical results shall be submitted in the annual monitoring report in the format specified by Subsection C of 20.6.7.29 NMAC.

   a. If TPH in any well exceeds 5 mg/L, the Permittee shall resample the well within 15 days of receiving the analysis described in Condition C108.F.4 above, and analyze for Organic Parameters II (Kerosene, Ethylbenzene, Naphthalene and Toluene) as shown in Table 1. Analytical results shall be submitted in the annual monitoring report in the format specified by Subsection C of 20.6.7.29 NMAC.

5. Authorization to Plug and Abandon Selected Monitoring Wells

a. Pursuant to Subsection H of 20.6.7.28 NMAC, the Permittee is authorized to plug and abandon Monitoring and Interceptor Wells TLB5, TLB6, TLB7, 376-00-01, 376-2007-01, LB1, LB2, LB3, LB4, LB5, LB7S, LB7D, TLB17, TLB32, TLB33A, TLB33B, TLB34, TLB35A, TLB35B, 376-96-01, 376-96-03, 376-96-04, 376-96-05, 376-2004-04, 376-2004-05, 376-2004-06, 376-2005-01, 376-2005-02, 376-2005-03, 376-2005-04, 376-2005-05, and 376-2007-03. The Permittee shall continue to monitor these monitoring and interceptor wells pursuant to Table 1 until they are plugged and abandoned for construction of the Kessel Waste Rock Stockpile and associated infrastructure.

~~a.~~b. Pursuant to Subparagraph (c) of 20.6.7.21.B(1) NMAC, the Permittee shall not plug and abandon IWs 376-00-01 and 376-2007-01 until after the Lampbright Far East Interceptor System is operational.

c. The monitoring and interceptor wells shall be plugged and abandoned in accordance with the document provided in the draft Discharge Permit titled, *Ground Water Discharge Permit Monitoring Well Construction and Abandonment Conditions*, Revision 1.1, March 2011, and all applicable local, state, and federal regulations, including Section 19.27.4 NMAC.

~~b.~~d. The Permittee shall notify NMED at least one week prior to plugging and abandoning any monitoring and interceptor well listed in Condition C108.F.5.a.

e. The Permittee shall submit documentation describing the well abandonment procedures in accordance with the document titled, *Ground Water Discharge Permit Monitoring Well Construction and Abandonment Conditions*, Revision 1.1, March 2011. The well abandonment documentation shall be submitted to NMED with the next semi-annual monitoring report for DP-376 upon completion of abandonment procedures.

f. Pursuant to Subsection B of 20.6.7.30 NMAC, NMED may require replacement monitoring wells.

6. Installation of Additional Groundwater Monitoring Wells.

a. Within 180 days of the effective date of this Discharge Permit (by DATE), the Permittee shall construct the four monitoring wells (376-2026-01, 376-2026-02, 376-2026-03, 376-2026-04) with associated pressure transducers as proposed in the correspondence from the Permittee titled, *Response to Second Request for Additional Information, Discharge Permit 376 Kessel Waste Rock Stockpile Modification*, dated March 13, 2026.

b. Installation of the monitoring wells shall be in accordance with Subsections B, C, D, and E of 20.6.7.28 NMAC.

c. The Permittee shall notify NMED in writing a minimum of one week prior to commencement of monitoring wells drilling activities. Upon completion of the installation of the monitoring wells, the Permittee shall submit to NMED a monitoring

well completion report for the newly installed monitoring wells in accordance with the applicable requirements of Subsection K of 20.6.7.28 NMAC.

d. Upon installation of the new monitoring wells, the Permittee shall sample and analyze groundwater quarterly from the monitoring wells in accordance with Table 1, and applicable requirements of Subsection F of 20.6.7.28 NMAC. Initial and future analytical results shall be submitted in the semi-annual monitoring reports in the format specified by Subsection C of 20.6.7.29 NMAC.

e. Within one year of the monitoring well completion report submittal required above, the Permittee shall submit a report that documents whether data collected from the monitoring wells confirms groundwater conditions described by the Discharge Permit Modification Application, predicted by the North Mine Area Groundwater Model, and as described in the correspondence from the Permittee titled, *Response to Second Request for Additional Information, Discharge Permit 376 Kessel Waste Rock Stockpile Modification*, dated March 13, 2026. The report shall include a minimum of six months of data collected from the newly installed monitoring wells. The report shall be submitted before placement of waste rock in the Kessel Waste Rock Stockpile footprint.

G. Stormwater Samplers

1. Workplan – The Permittee shall submit a workplan for NMED approval within 90 days of this permit effective date (by June 10, 2024) to collect and analyze stormwater downstream of EHI, LFES, and SBR8. The workplan shall propose the type of stormwater sampler to be used, identify locations for each sampler, and outline provisions for collection of samples as soon as practicable after 1-inch or greater rain events in 24 hours. The workplan shall also detail how the samplers will operate.

2. Monitoring and Reporting – The stormwater samples shall be analyzed for the B and C constituents listed in Table 1 of this Discharge Permit. No more than one sample per sampler may be collected in a 24-hour period and no more than one sample per sampler is required to be collected per quarter. The samplers shall be inspected at least once per quarter to ensure functionality and to check if water is present in the samplers. Analytical results and inspection results shall be reported in the DP-376 semi-annual monitoring reports. Analytical results from stormwater samples shall be compared against the water quality standards of Section 20.6.2.3103 NMAC. The Permittee may be required to address exceedances identified in the analytical results pursuant to Condition C110. After four quarters of samples are collected and analyzed, the Permittee may submit a proposal for NMED approval to reduce or eliminate stormwater sampling.

~~2.~~3. Within 180 days of the effective date of this Discharge Permit (by DATE) or prior to burial, the Permittee shall relocate the stormwater sampler located downstream of

SBR8 to a location downstream of the Kessel Interceptor Trench. The Permittee shall notify NMED within 30 days of relocation and provide a map and pictures showing the location.

H. Lampbright Groundwater Interceptor Systems

1. The Permittee shall submit an annual monitoring and evaluation report for the Lampbright Groundwater Interceptor Systems authorized by this Discharge Permit that contains the information required by Subsection H of 20.6.7.29 NMAC. The report shall include the information listed below and be submitted with the DP-376 Annual Monitoring Report due on February 28 of each year.

   a. The Permittee shall submit a north-to-south cross section from the South Lampbright Leach Stockpile to MW 376-2007-03. The cross section shall include the most recent groundwater elevations from monitoring wells, the screened interval of monitoring wells, subsurface geology, and the location of Unlined 8 Dam and SBR8.

   b. Pursuant to Subparagraph (c) of 20.6.7.29.H NMAC, the Permittee shall provide time series graphs for each monitoring well and interceptor well in the DP-376 permit area with constituents above 20.6.2.3103 NMAC groundwater quality standards. Only constituents detected above groundwater standards shall be included in these graphs. Each graph shall contain all available analytical data.

   c. The Permittee shall provide a status update on recommendations made in previous Interceptor System Monitoring and Evaluation Reports.

   ~~c.~~d. The Permittee shall include Lampbright Far East and Kessel Interceptor Trench Systems, KS1 and KS2 underdrains, and Kessel Haul Road Underdrain in text, figures, and tables of the next applicable semi-annual monitoring and annual interceptor system evaluation report after construction. All available information and data from IWs 376-00-01, 376-2007-01, and 376-2004-06 shall remain in text, figures, and tables of the annual interceptor system evaluation reports.

I. Waste Rock Stockpiles

1. ~~Pursuant to Paragraph (7) of 20.6.7.21.D NMAC, the Permittee shall submit on an annual basis an operating plan that describes the sequencing of waste rock deposition on the DP-376 waste rock stockpiles and describes the operation of any applicable systems utilized to contain or transport process water, seepage, or impacted stormwater from the waste rock stockpiles. The operating plan shall be submitted with the monitoring report due by February 28 of each year.~~SLWRS Infill and Buttress

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a. The Permittee shall monitor and report data from the vibrating wire piezometers and survey monuments located in SWLRS Infill and Buttress as required pursuant to the correspondence from NMED titled, *Conditional Approval of Modified Final Plans and Specifications for the Southwest Lampbright Corridor Infill and Buttress; DP-376*, dated February 25, 2025.

b. The Permittee shall extend the vibrating wire piezometers and relocate the survey monuments after they are buried by the Kessel Waste Rock Stockpile as described in the correspondence from the Permittee titled, *Response to Second Request for Additional Information, Discharge Permit 376 Kessel Waste Rock Stockpile Modification*, dated March 13, 2026.

c. The Permittee shall submit a plan to NMED to extend the vibrating wire piezometers and relocate the survey monuments 90 days before anticipated burial of the instruments by the Kessel Waste Rock Stockpile. The plan shall describe how the piezometers will be extended and where the survey monuments will be relocated. The plan shall also include how stability of SLWRS Infill and Buttress will be monitored during the changes.

d. The Permittee shall notify NMED of vibrating wire piezometers extension and survey monument relocation within 30 days of completion. The notification shall include the same information required by Condition 6.B and 6.C of the correspondence from NMED titled, *Conditional Approval of Modified Final Plans and Specifications for the Southwest Lampbright Corridor Infill and Buttress; DP-376*, dated February 25, 2025

J. Discharge Volumes

1. The Permittee shall measure and report average daily discharge volumes (unless otherwise noted) for process water, interceptor collection systems, raffinate, and impacted stormwater discharges in accordance with Subsections B, E, and F of 20.6.7.29 NMAC using flow meters listed in Table 1 of this Discharge Permit. In addition to discharge volume reporting required by Subsection B of 20.6.7.29 NMAC, the Permittee shall measure and report discharge volumes 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 for the following sediment-staging volumes and discharges:

   a. The daily volume of raffinate (GPD) discharged to the Main, South and North Lampbright Leach Stockpiles.

   b. The daily volume of stormwater (GPD) pumped from the Reservoir 8 PLS and Stormwater Collection System to Reservoir 7.

   c. The monthly average elevation of solution in Unlined 8 Dam.

   d. The monthly volume of seepage collected by SBR8 in gallons.

   e. The daily volume of PLS (GPD) pumped from the Stainless Steel PLS Tank, WUS, and Fleming Pond 2 to the SX/EW plant.

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f. The weekly volume of seepage collected from the EHI underdrain solution collection system and the EHI leak detection system in gallons.

g. The monthly volume of sediments staged in the Sediment Staging Area.

~~g.~~h. The daily volume of stormwater (GPD) discharged from Lampbright Far East Stormwater Impoundment.

~~h.~~i. The daily volume of PLS (GPD) discharged from Mechanically Stabilized Earthen Wall PLS Collection System.

~~i.~~j. The daily volume of PLS (GPD) pumped from the Lampbright Far East PLS Tank.

~~j.~~k. The weekly volume of groundwater collected from the Lampbright Far East Interceptor Trench System.

l. The weekly volume of solutions, in gallons, pumped from the Kessel Interceptor Trench to KS2.

m. The weekly volume of solutions, in gallons, discharged from Kessel toe drains to the Kessel Interceptor Trench.

n. The daily volume of solutions (GPD) pumped from KS2 to KS1.

o. The daily volume of solutions (GPD) pumped from KS1 to Unlined Reservoir 8.

p. The weekly volume of solutions, in gallons, pumped from the KS1 and KS2 underdrains.

q. The weekly volume of solutions, in gallons, discharged from the Haul Road Underdrain to the KS2 underdrain sump.

~~k.~~r. The monthly volume of solutions, in gallons, discharged from the SLWRS Buttress Residual Seepage Sump (refer to the correspondence from NMED titled, *Conditional Approval of Modified Final Plans and Specifications for the Southwest Lampbright Corridor Infill and Buttress; DP-376*, dated February 25, 2025).

K. 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.

L. Meteorological Data

1. Pursuant to Paragraph G of 20.6.7.29 NMAC, meteorological data shall be measured as stipulated in the NMA Master Document. The data shall be submitted to NMED in the monitoring report due by February 28 of each year.

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C109 Groundwater Model

A. Groundwater Model Work Plan – The Permittee shall submit a workplan for NMED approval within 90 days of this permit effective date (by June 10, 2024) to update the groundwater model for the DP-376 area.

1. The workplan shall detail the methods and steps used to generate the groundwater model.

2. The workplan shall indicate which wells will be used in the groundwater model.

3. The workplan shall specify how the groundwater model will identify and characterize the groundwater flow of aquifers in the DP-376 area.

4. The workplan shall indicate how the groundwater model will determine if aquifers in the DP-376 area are hydraulically connected.

5. The workplan shall include a schedule for completion of the model.

B. Groundwater Model – The Permittee shall work with NMED to update the North Mine Area Groundwater Model to characterize groundwater in the DP-376 area.

1. The groundwater model shall identify and characterize the aquifers in the DP-376 area.

2. The groundwater model shall determine the vertical and horizontal flow components of aquifers in the DP-376 area.

3. The groundwater model shall determine if the aquifers in the DP-376 area are hydraulically connected.

4. The groundwater model shall incorporate the most recently available groundwater data.

C. Groundwater Model Report – The Permittee shall submit the findings of the groundwater model in a report for NMED approval within 180 days of the scheduled completion date of the groundwater model as determined in the approved workplan.

1. The groundwater model report shall contain the same or similar information required pursuant to Paragraph (3) of 20.6.7.11.K NMAC and Subsection P of 20.6.7.11 NMAC for each aquifer in the DP-376 area.

2. The groundwater model report shall include a gap analysis identifying where deficiencies exist in the groundwater model and if additional monitoring wells are necessary to characterize groundwater in the DP-376 permit area.

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C110 Contingency Plan

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

B. Pursuant to Subsection G of 20.6.7.30 NMAC, discharges of process water, impacted stormwater or seepage that exceed the standards of Section 20.6.2.3103 NMAC to unauthorized areas must be reported under Section 20.6.2.1203 NMAC and as required by Condition D106.

C. Pursuant to Subsection I of 20.6.7.30 NMAC, the Permittee shall notify NMED of any significant erosion or condition that may compromise conveyance structures utilized in DP-376.

D. The Permittee has been required to submit to NMED for approval a proposed abatement plan for the Chino Mine pursuant to Section C114 of DP-1340. All abatement plans and activities shall be performed in accordance with Sections 20.6.2.4000 through 4115 NMAC and Paragraphs (3) and (4) of 20.6.7.30.A NMAC.

E. 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]

C111 Closure Plan

A. The closure requirements listed in this Discharge Permit are enforceable under this Discharge Permit until the Closure/Closeout Plan for the North Lampbright Leach Stockpile is incorporated into the renewal of the Supplemental Discharge Permit for Closure, DP-1340.

B. Closure of all mine units associated with this Discharge Permit shall be performed in accordance with the Closure/Closeout Plan and associated materials in the Discharge Plan for the North Lampbright Leach Stockpile, the requirements of Section 20.6.7.33 NMAC and Section 20.6.7.34 NMAC; and in accordance with DP-1340, as applicable.

C. The Permittee shall provide calculations demonstrating that all stormwater conveyances, ditches, channels, and diversions associated with North Lampbright Leach Rock Stockpile, including the stormwater diversion channels located north of North Lampbright Leach Stockpile, as well as the open channel overflow conveyance from Fleming Pond 2 to Reservoir 7, meet the requirements of Subsection A of 20.6.7.33 NMAC following closure in the next update to the Closure/Closeout Plan due in August of 2024 pursuant to DP-1340.

D. The Permittee shall submit a closure water management and water treatment plan for the North Lampbright Leach Stockpile and associated mine units in accordance with Subsection H of 20.6.7.33 NMAC in the next update to the Closure/Closeout Plan due in August of 2024 pursuant to DP-1340.

E. Pursuant to Paragraph (4) of Subsection F of 20.6.7.33 NMAC and Subsection F of 20.6.7.34 NMAC, the Permittee shall submit for NMED approval 60 days prior to closure construction, a Construction Quality Assurance/Construction Quality Control (CQA/CQC) plan for any mine units regulated pursuant to DP-376 where cover is applied under an approved closure plan.

F. For each mine unit closed, the closure period shall cease, and the post-closure period shall commence following NMED approval of a final CQA/CQC report that is in accordance with Subsection G of 20.6.7.34 NMAC.

G. Post-Closure Conditions

1. Post-closure requirements shall be performed in accordance with the applicable requirements of Section 20.6.7.35 NMAC, and in accordance with the Closure/Closeout Plan and associated materials submitted as part of the Discharge Plan for DP-376. Pursuant to Subsection D of 20.6.7.35 NMAC, the Permittee shall submit to NMED semi-annual reports pursuant to the schedule in Subsection A of 20.6.7.29 NMAC that include, but are not limited to, a description and the results of post-closure monitoring, any work completed during the preceding semi-annual period, any maintenance and repair work conducted for any closure unit, status of post-closure activities, and semi-annual potentiometric maps pursuant to Subsections B and C of 20.6.7.29 NMAC.

2. Pursuant to Subsection E of 20.6.7.35 NMAC, the contingency requirements of Section 20.6.7.30 NMAC apply to any deficiencies discovered during post-closure monitoring and inspections, including, but not limited to, the requirements for possible corrective action plans, abatement plans, monitoring well replacement, reporting and correction of unauthorized discharges, and significant erosion of, or ponding of water on, a cover system.

C112 Financial Assurance

A. The Permittee shall maintain the existing and any revised joint financial assurance with NMED and the Mining and Minerals Division of the New Mexico Energy, Minerals and Natural Resources Department to cover costs associated with closure and post-closure activities approved under this Discharge Permit and DP-1340. [20.6.2.3107 NMAC]

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Part D GENERAL CONDITIONS

General conditions issued by the Ground Water Quality Bureau pursuant to Part 20.6.2 NMAC and Part 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 the NMSA 1978, Section 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, the WQCC 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. The Permittee does not waive any argument as to the weight such evidence should be given. [NMSA 1978 Section 74-6-10, Section 74-6-10.1]

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. Failure 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]

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

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. Mine units shall be operated in accordance with the applicable requirements of Section 20.6.7.18 NMAC.

C. Pursuant to Subsection A of 20.6.7.18 NMAC, to the extent practicable, mine units shall be designed and operated in a manner that contemplates the closure plan, including identifying and segregating suitable material to construct covers and consideration of closure grading and drainage plans in the design and construction of operational mine units.

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

E. The Permittee shall provide written notice to NMED of the commencement, or recommencement of operations in accordance with Subsection C of 20.6.7.18 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.

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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.E 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 completed 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 Section 19.27.4 NMAC, unless an alternate method is approved by NMED. [20.6.2.3107 NMAC]

B. The written notification required in Condition 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 (i.e., most recent four quarters of data) 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.

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D106 Reporting Requirements for Unauthorized Discharges

A. In the event of a spill or release that is not authorized under this Discharge Permit, the Permittee shall initiate the notifications and corrective actions as required in 20.6.2.1203 NMAC 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 pursuant 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, and 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 of 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, the Permittee shall submit a figure 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 and/or location information in latitude/longitude coordinates in decimal degrees (XX.XXXXXX and –XXX.XXXXXX, respectively), using a specified datum of WGS 84. Submittal of location information in 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 amendment to this Discharge Permit, including payment of applicable fees as 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]

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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 Section 20.6.2.3109 NMAC, NMED reserves the right to require a discharge permit modification in the event NMED determines that the requirements of Part 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]

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Table 1 – Monitoring and Reporting Summary for DP-376

Monitoring Report Schedule of Submittal (Subsection A of 20.6.7.29 NMAC)	
1	January 1 through June 30 (first and second quarter sample periods) Semi-annual report due by August 31 of each year
2	July 1 through December 31 (third and fourth quarter sample periods) Semi-annual report due by February 28 of each year
3	Annual reports due by February 28 of each year

Reporting Summary	
Annual Reporting Frequency	**Description**
2	Monitoring reports – All applicable requirements of Subsections A through C and E though H of 20.6.7.29 NMAC.
2	Additional discharge volume reporting requirements listed in Condition C108.J

Monitoring Schedule

Area	Identification Number	Sampling					Notes
		type	Q1	Q2	Q3	Q4	
North/Cut Area	376-00-9S	MW	BW	-	BCW	-	
	376-00-9D	MW	BW	-	BCW	-	
	376-97-01	MW	-	-	BCW	-	
	376-97-02	MW	BCW	BCW	BCW	BCW	
	376-97-06	IW	BCW	BW	BCDW	BW	
	LB East	Prod	BW	-	BCDW	-	
	376-2004-01	MW	BCW	-	BCW	-	
	376-2004-02	MW	BCW	BW	BCW	BW	
	376-2004-03	MW	BCW	BW	BCW	BW	
	Lampbright Sump #4	SP	BCW	BCW	BCW	BCW	
	LB2401	SP	BCW	BCW	BCW	BCW	Moved from Res 8/ Trib 1 section
	East Headwall Impoundment	PW	BC	BC	BC	BC	
	West Underdrain Sump	SP	BC	-	BC	-	
	376-2018-01	MW	BW	-	BCW	-	Previously identified as “Knob Well”
	376-2018-02	IW	BCW	BCW	BCW	BCW	Previously identified as “East Headwall Interceptor Well”
Lampbright Far East Sump Area	LB10	IW	BCW	BCW	BCW	BCW	
	~~Lambright Far East Sump~~	~~PW~~	~~BC~~	~~BC~~	~~BC~~	~~BC~~	Converted to Infiltration Pond
	~~376-00-01~~	~~IW~~	~~BCW~~	~~BCW~~	~~BCW~~	~~BCW~~	To be Plugged and Abandoned
	~~376-2007-01~~	~~IW~~	~~BCW~~	~~BCW~~	~~BCW~~	~~BCW~~	To be Plugged and Abandoned
	376-2011-01	MW	BCW	BW	BCW	BW	
	376-2012-01	MW	BCW	BCW	BCW	BCW	
	Stormwater Impoundment	PW	BC	BC	BC	BC	
	Interceptor Trench	IW	BC	BC	BC	BC	
Southeast	TLB26	MW	BW	-	BCW	-	
	TLB27	MW	BW	-	BCW	-	
	TLB28	MW	BW	-	BW	-	
	TLB29	MW	BW	BW	BCDW	BW	
	TLB31	MW	BW	-	BW	-	

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	~~TLB5~~	~~MW~~	-	-	-	-	To be Plugged and Abandoned
	~~TLB6~~	~~MW~~	-	-	-	-	To be Plugged and Abandoned
	~~TLB7~~	~~MW~~	-	-	-	-	To be Plugged and Abandoned
	TLB10	MW	-	-	BW	-	
	TLB11	MW	-	-	BW	-	
	TLB16	MW	-	-	W	-	
	376-2007-02	MW	BW	-	BCW	-	
	TLB30	IW	BCW	BW	BCW	BW	
SE/Trib 2	376-2008-01	MW	BCW	BW	BCW	BW	
	376-2008-02	MW	-BW	-	-BCW	-	~~Move to DP-1340~~To Remain in DP-376
	376-2009-01	MW	-	-	BCW	-	
	376-2009-02	MW	BCW	BW	BCW	BW	
	376-2009-03	MW	BW	-	BCW	-	
	376-2009-04	MW	BW	BW	BCW	BW	
	376-98-01	MW	BCW	BW	BCW	BW	
	376-98-02	MW	-	-	-	-	Move to DP-1340
Res. 8/Trib 1 Area	Stainless Steel PLS Tank	TNK	BC	-	BC	-	Labeled "Reservoir 8" in the historical water quality reports
	Unlined Res. 8	PW	BCW	BCW	BCW	BCW	
	Spring Below Reservoir 8	SP	BCW	BCW	BCW	BCW	
	Kessel Stormwater 1	PW	BC	BC	BC	BC	
	Kessel Stormwater 2	PW	BC	BC	BC	BC	
	Kessel Interceptor Trench	IW	BC	BC	BC	BC	
	376-2026-01	MW	BCW	BCW	BCW	BCW	
	376-2026-02	MW	BCW	BCW	BCW	BCW	
	376-2026-03	MW	BCW	BCW	BCW	BCW	
	376-2026-04	MW	BCW	BCW	BCW	BCW	
	~~LB1~~	~~MW~~	~~BCW~~	~~BCW~~	~~BCW~~	~~BCDW~~	To be plugged and abandoned
	~~LB2~~	~~MW~~	~~BW~~	~~-~~	~~BCW~~	~~-~~	To be plugged and abandoned
	~~LB2401~~	~~SP~~	~~BCW~~	~~BCW~~	~~BCW~~	~~BCW~~	Moved to North/Cut Area section
	~~LB3~~	~~MW~~	~~BW~~	~~-~~	~~BCW~~	~~-~~	To be plugged and abandoned
	~~LB4~~	~~MW~~	~~-~~	~~-~~	~~BW~~	~~-~~	To be plugged and abandoned
	~~LB5~~	~~MW~~	~~-~~	~~-~~	~~BCW~~	~~-~~	To be plugged and abandoned
	LB6	MW	-BCW	-BW	BCW	-BW	
	~~LB7D~~	~~MW~~	~~BW~~	~~-~~	~~BCW~~	~~-~~	To be plugged and abandoned
	~~LB7S~~	~~MW~~	~~BW~~	~~-~~	~~BCW~~	~~-~~	To be plugged and abandoned
	~~376-96-03~~	~~MW~~	~~-~~	~~-~~	~~W~~	~~-~~	
	~~376-96-04~~	~~MW~~	~~-~~	~~-~~	~~BW~~	~~-~~	
	~~376-96-05~~	~~MW~~	~~-~~	~~-~~	~~BW~~	~~-~~	
	376-96-06	MW	-BCW	-BW	-BCW	-BW	~~Move to DP-1340~~To remain in DP-376
	~~376-2004-04~~	~~MW~~	~~BCW~~	~~BCW~~	~~BCW~~	~~BCW~~	To be plugged and abandoned
	~~376-2005-01~~	~~MW~~	~~BW~~	~~-~~	~~BCW~~	~~-~~	To be plugged and abandoned
	~~376-2005-02~~	~~MW~~	~~BW~~	~~-~~	~~BCW~~	~~-~~	To be plugged and abandoned
	~~376-2005-03~~	~~MW~~	~~BW~~	~~-~~	~~BCW~~	~~-~~	To be plugged and abandoned
	~~376-2005-04~~	~~MW~~	~~BCW~~	~~BCW~~	~~BCW~~	~~BCW~~	To be plugged and abandoned
	~~376-2005-05~~	~~MW~~	~~BCW~~	~~BCW~~	~~BCW~~	~~BCW~~	To be plugged and abandoned
	~~376-2007-03~~	~~MW~~	~~BCW~~	~~-~~	~~BCW~~	~~-~~	To be plugged and

							abandoned~~Moving from Sitewide Abatement~~
Southwest	~~TLB17~~	~~MW~~	~~BW~~	~~-~~	~~BCW~~	~~-~~	
	~~TLB32~~	~~MW~~	~~BW~~	~~-~~	~~BCW~~	~~-~~	
	~~TLB33A~~	~~MW~~	~~BW~~	~~-~~	~~BCW~~	~~-~~	
	~~TLB33B~~	~~MW~~	~~BW~~	~~-~~	~~BCW~~	~~-~~	
	~~TLB34~~	~~MW~~	~~BW~~	~~-~~	~~BW~~	~~-~~	
	~~TLB35A~~	~~MW~~	~~BCW~~	~~BCW~~	~~BCW~~	~~BCW~~	
	~~TLB35B~~	~~MW~~	~~BCW~~	~~BCW~~	~~BCW~~	~~BCW~~	
	~~376-96-01~~	~~MW~~	~~-~~	~~-~~	~~W~~	~~-~~	
	~~376-2004-05~~	~~MW~~	~~BW~~	~~-~~	~~BCW~~	~~-~~	
	~~376-2004-06~~	~~IW~~	~~BCW~~	~~BCW~~	~~BCW~~	~~BCW~~	
West	376-2004-07	MW	-	-	BW	-	
	376-2004-08	MW	-	-	BW	-	

	Meter Number	**Meter Name**
Flow Meters	#7 (see B104.E)	Reservoir 8 PLS and Stormwater Collection System to Reservoir 7
	#8 (see B104.E)	NE Lampbright Raffinate Booster Station to Lampbright Leach System
	#9 (see B104.E)	SS PLS Tank to SX/EW Plant
	Interceptor Wells (#38-#44)	Each interceptor well is equipped with a flow meter
	EHI Underdrain	Underdrain discharge to EHI containment
	EHI Leak Detection	Leak Detection discharge to EHI containment
	East Underdrain	Flow meter ID to be determined at installation
	West Underdrain Sump	Flow meter ID to be determined at installation
	Fleming Pond 2	Flow meter ID to be determined at installation
	Spring Below Reservoir 8	Flow meter ID to be determined at installation
	LFE Mechanically Stabilized Earthen Wall PLS Collection	Flow meter ID to be determined at installation
	LFE PLS Tank	Flow meter ID to be determined at installation
	LFE Stormwater Impoundment	Flow meter ID to be determined at installation
	LFE Interceptor Trench	Flow meter ID to be determined at installation
	Kessel Stormwater 1	Flow meter ID to be determined at installation
	Kessel Stomrwater 2	Flow meter ID to be determined at installation
	Kessel Stormwater 1 Underdrain	Flow meter ID to be determined at installation
	Kessel Stormwater 2 Underdrain	Flow meter ID to be determined at installation
	Kessel Interceptor Trench	Flow meter ID to be determined at installation
	Haul Road Underdrain	Flow meter ID to be determined at installation
	Kessel Finger Drains	Flow meter ID to be determined at installation

Sampling Analytical Suites:

A = Field parameters: Temperature (°C), pH, specific conductance (µS/cm)

B = Indicator parameters: Suite A, sulfate, total dissolved solids (TDS)

C = Metal and Inorganic parameters: alk-HCO_3, alk-CO_3, alk-Tot, Ca, Mg, Na, K, F^-, Cl^-, Al, As, Ba, Cd, Cr, Co, Cu, Fe, Pb, Mn, Ni, Se, U, Zn

D = Organic Parameters I: Total Petroleum Hydrocarbons (TPH) (see Condition C108.F.4)

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E = Organic Parameters II: Kerosene, Ethylbenzene, Naphthalene, Toluene (see Condition C108.F.4)
W = Depth-to-water measurement to the nearest 0.01 foot

Explanation of Abbreviations and Symbols

Type:	Sampling Quarter:	Sampling Analytes Suite C:	
IW = interceptor well	Q1 = Jan-Mar	alk-HCO_3 = alkalinity-bicarbonate	Cd = Cadmium
MW = monitoring well	Q2 = Apr-Jun	alk-CO_3 = alkalinity-carbonate	Cr = Chromium
Prod = production well	Q3 = Jul-Sep	alk-Tot = alkalinity total	Co = Cobalt
PW = process water	Q4 = Oct-Dec	Ca = Calcium	Cu = Copper
SPG = spring		Mg = Magnesium	Fe = Iron
SP = seep		Na = Sodium	Pb = Lead
TNK = tank		K = Potassium	Mn = Manganese
Trib = tributary		F^- = Fluoride	Ni = Nickel
		Cl^- = Chloride	Se = Selenium
		Al = Aluminum	U = Uranium
		As = Arsenic	Zn = Zinc
		Ba = Barium	

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Figure 1 – Authorized DP-376 Leach and Waste Rock Stockpile Footprints

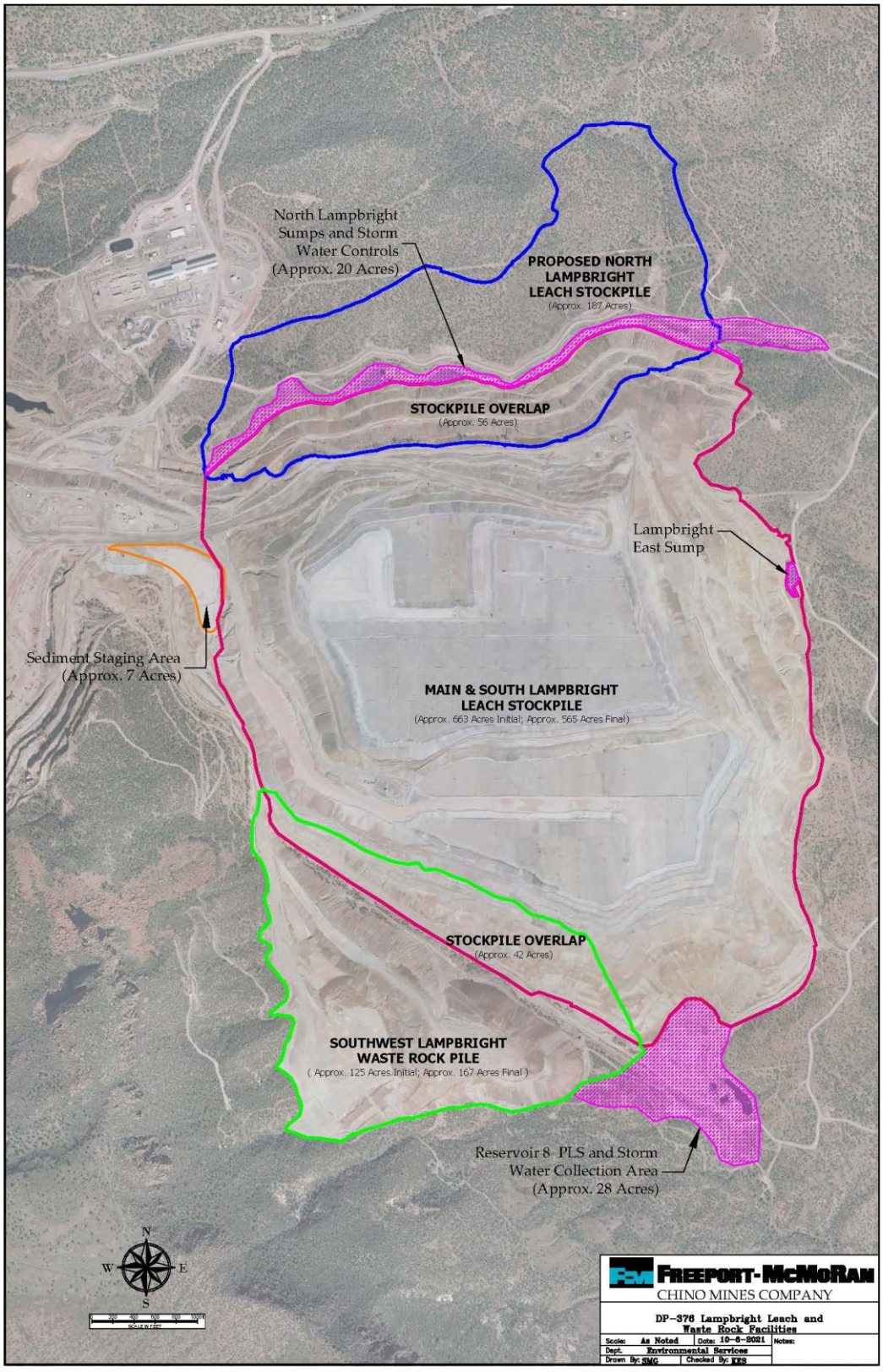

Figure 2 – DP-376 Area Location Map

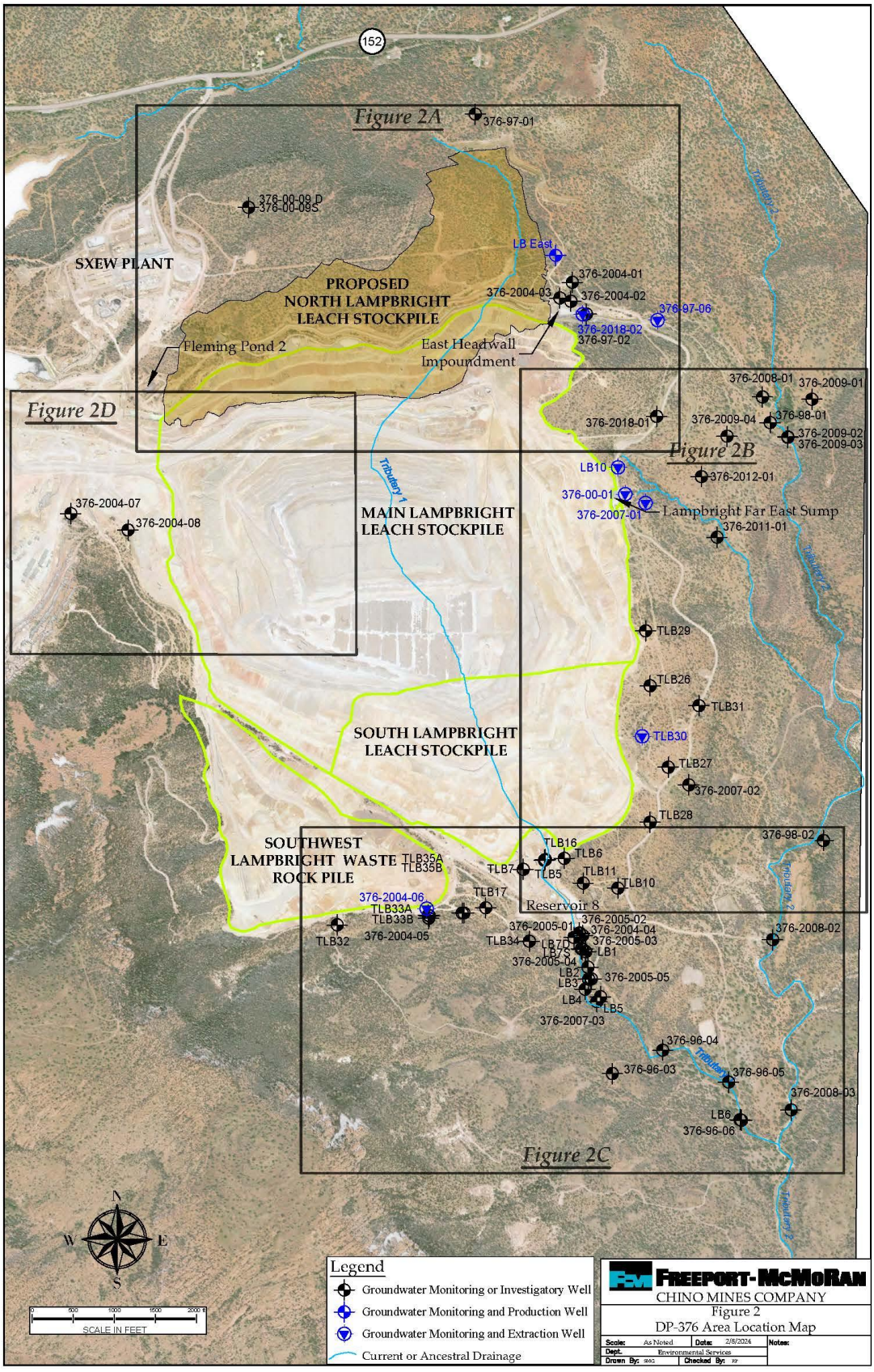

Figure 2A – North Lampbright Area

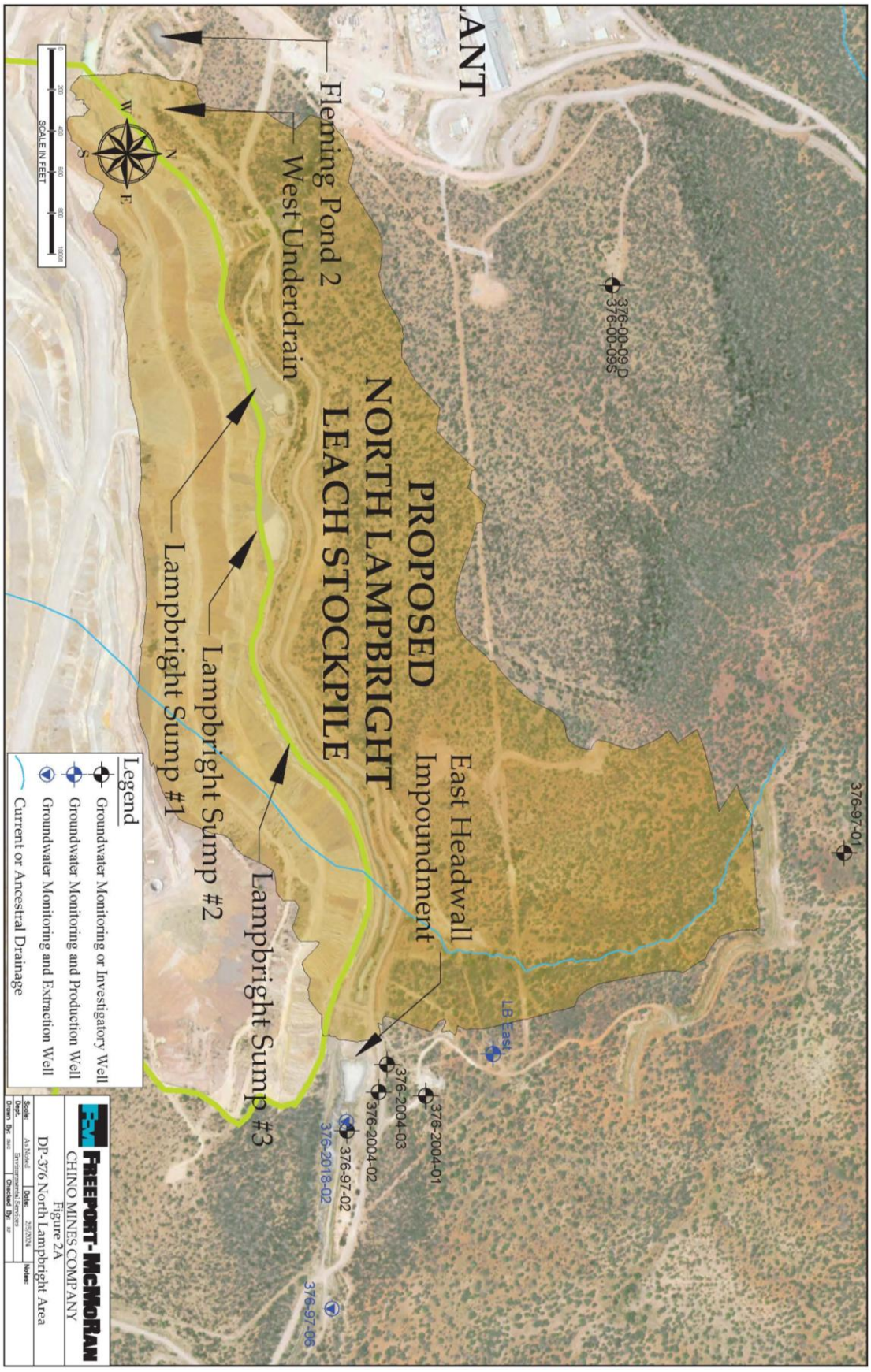

Figure 2B – East Lampbright Area

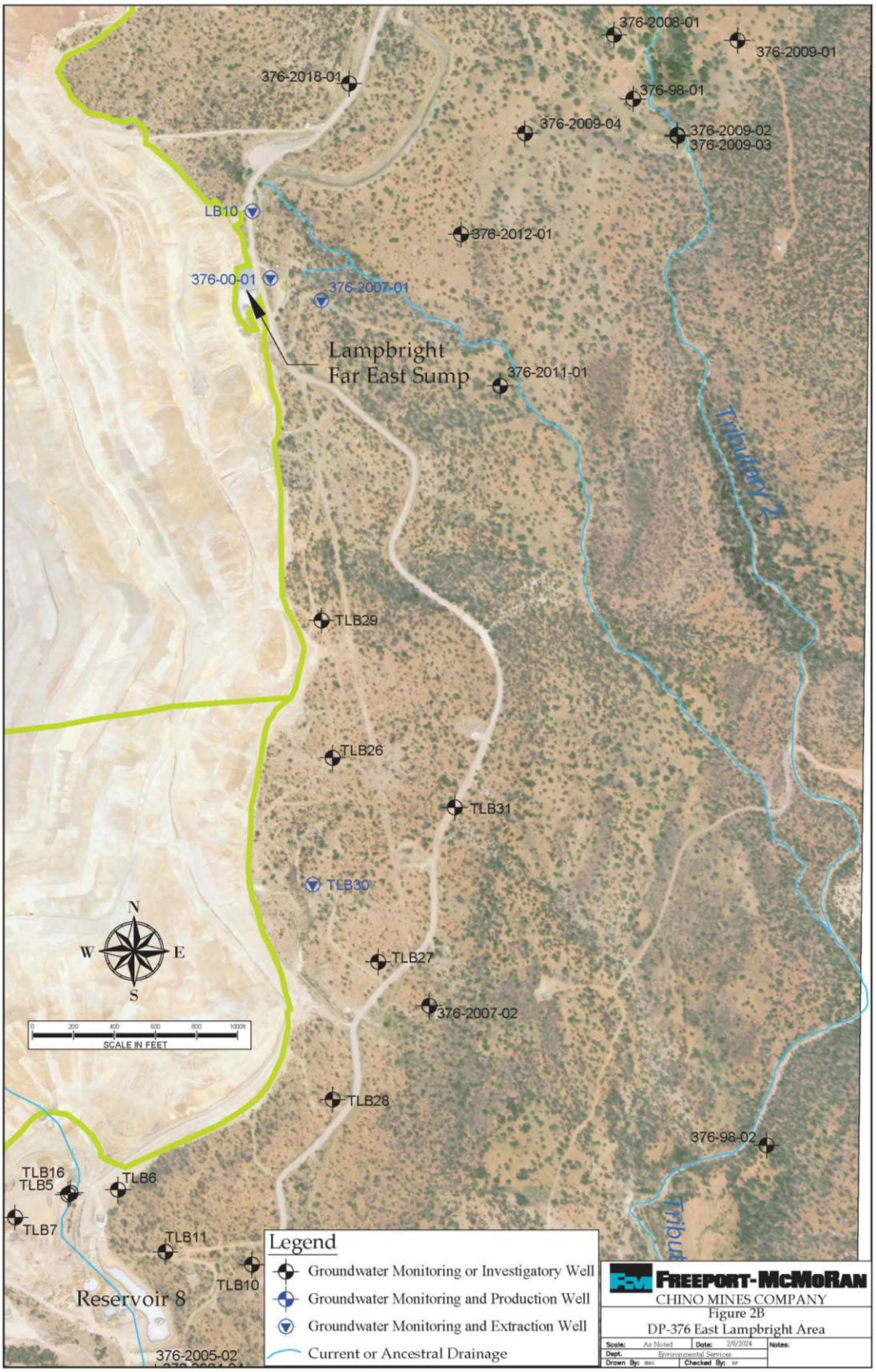

Figure 2C – Southeast Lampbright Area

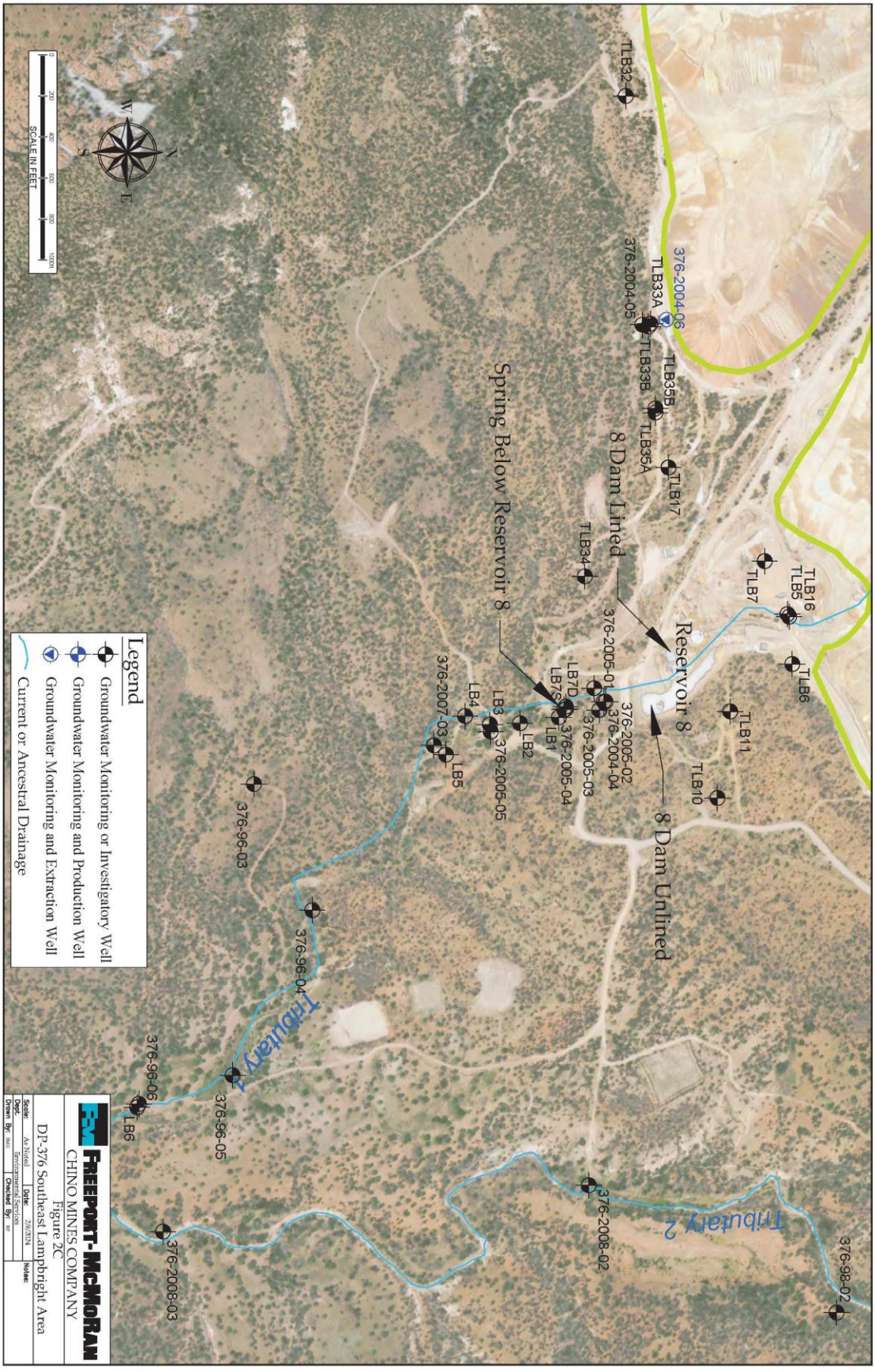

Figure 2D – West Lampbright Area

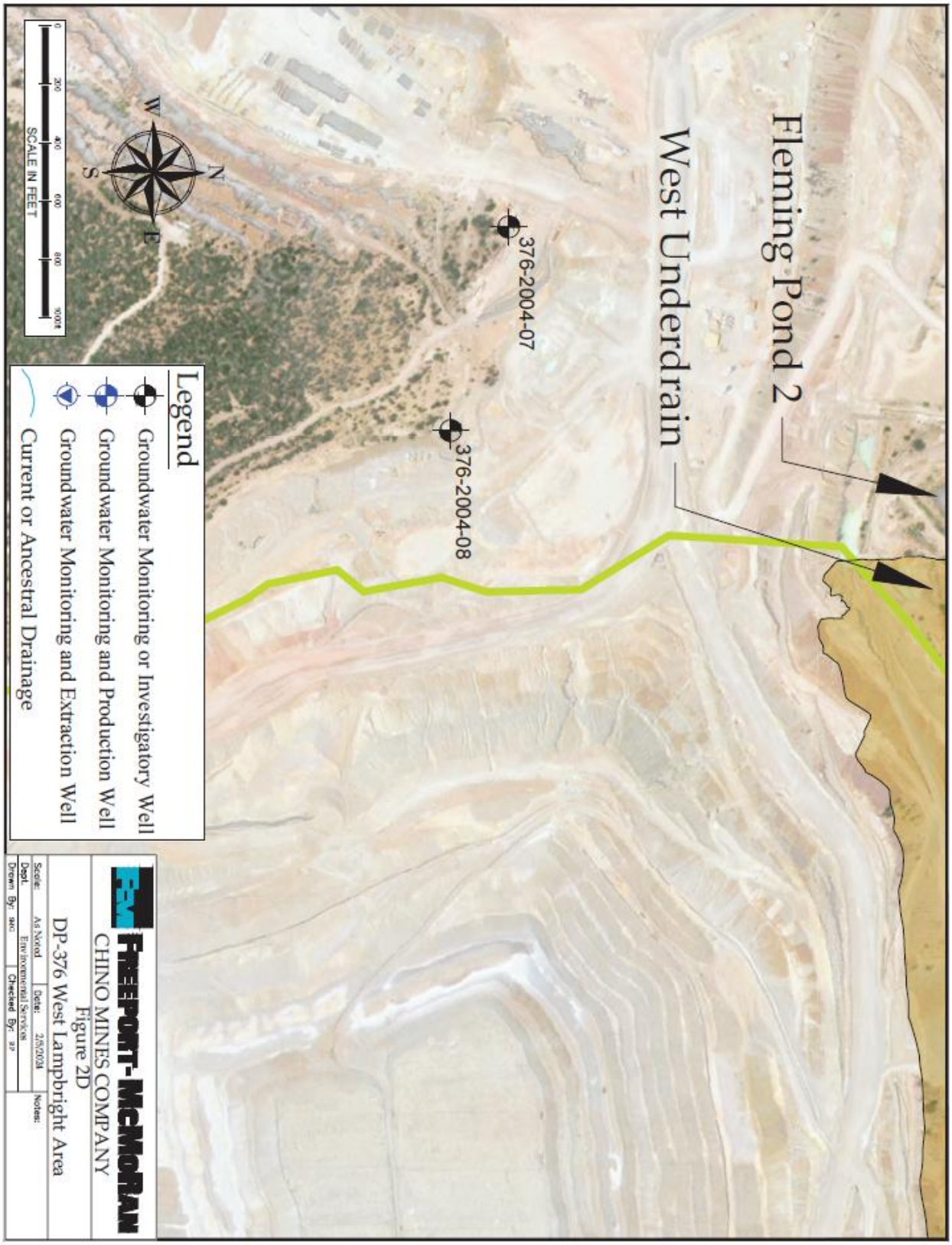

Figure 3 – Kessel Stockpile and Associated Facilities

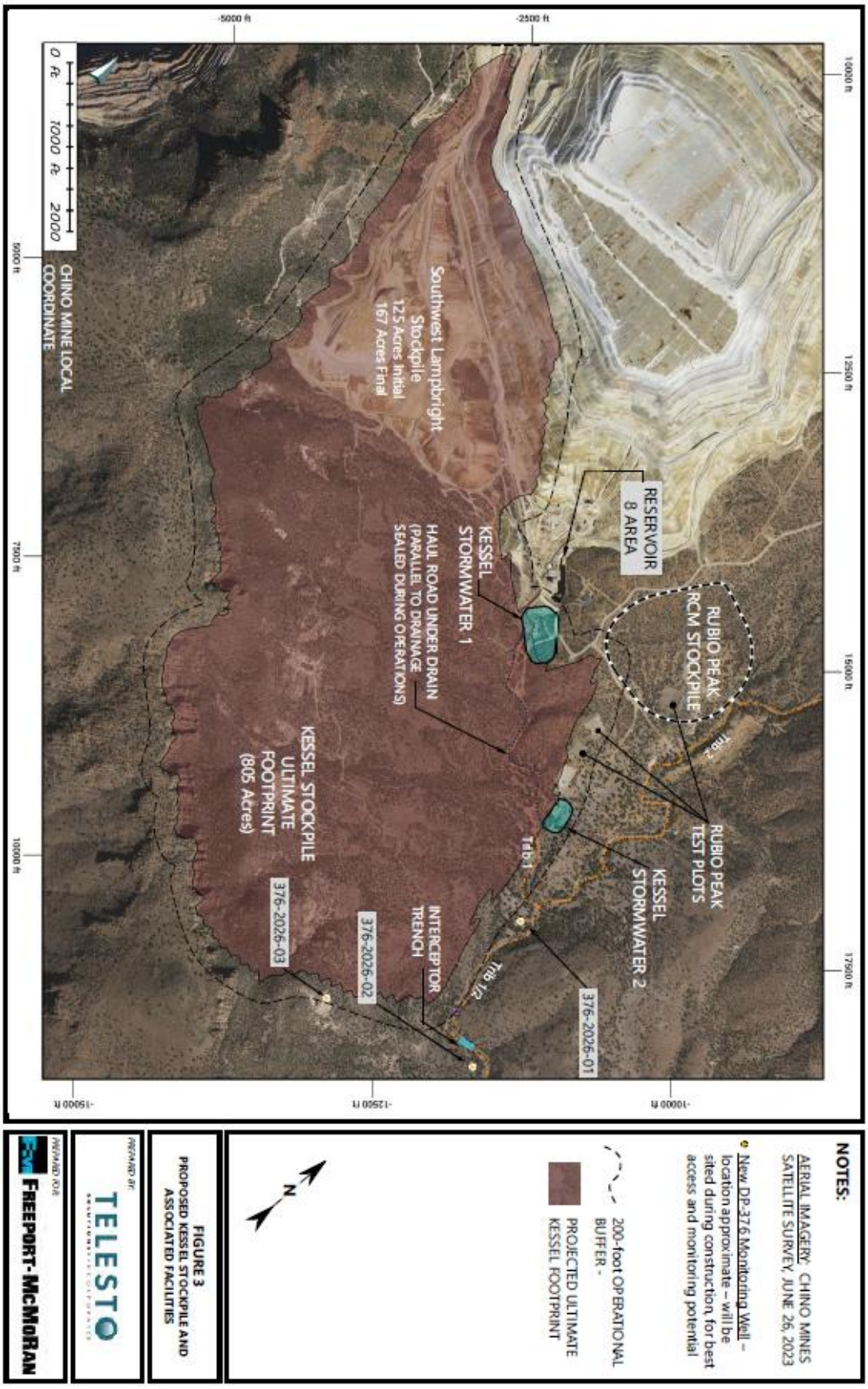
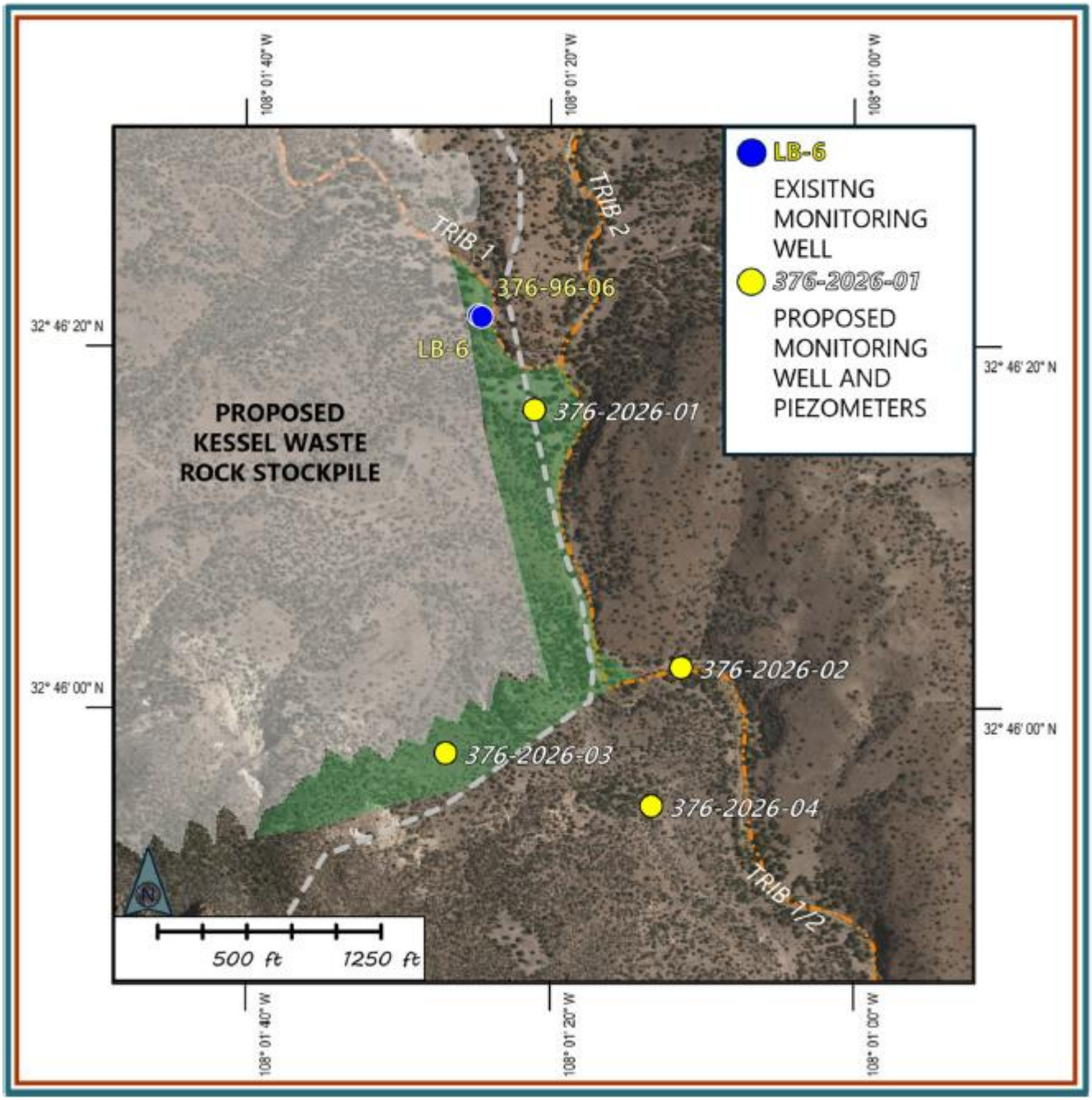
Figure 4 – Proposed Kessel Waste Rock Stockpile Monitoring Wells