PROJECT:	Midnite Mine Remediation	**REPORT NO:**	2019-008
OWNER:	Newmont/Dawn Mining	**OPERATOR:**	Newmont/Dawn Mining

Summary of Work Activities or Events for this reporting period:

This weekly report provides a summary of Midnite Mine Site (Site) remediation action (RA) construction activities, quality assurance (CQA), quality control (CQC) and engineering activities for the period May 17 - 23, 2019. The Site activities discussed in this weekly report include, but are not limited to: Site Health, Safety, and Security; Community Liaison, Project Meetings, Regulatory Oversight, Site Visitors; Site Mobilization; RA Activities; Project Documentation; and Site Inspections.

The project SharePoint site includes the Project documentation discussed in this report. Access to the project SharePoint site is available at the following link: https://amcollab.mwhtools.com/sites/midnitemine

SITE HEALTH, SAFETY, AND SECURITY

MIDNITE MINE HEALTH & SAFETY SUMMARY: Reporting Period May 17 – 23, 2019			
FIRST AID INJURY	1	PROPERTY DAMAGE	0
MEDICALLY TREATED INJURY	0	NEAR MISS INCIDENT	0
RESTRICTED WORK INJURY	0	RADIATION PROTECTION PLAN (RPP) – ISSUES REPORTED	0
LOST TIME INJURY	0		
Comments: First Aid injury: D8 operator while attempting to access the cab placed his right foot on the entrance step to the cab and miss-stepped causing him to stumble to the lower step at which time he rolled his right ankle. Three Hazards were identified and reported; corrective actions have been fully implemented.			

COMMUNITY LIAISON

The Spokane Tribe of Indians Community Liaison Officer reported that the Tribal law enforcement enquired about not being notified about mine trucks being mobilized through Wellpinit. The notification process is being reviewed to ensure notifications are provided for oversize equipment mobilizations.

PROJECT MEETINGS, REGULATORY OVERSIGHT, AND SITE VISITORS

Weekly Progress Meeting:

The Weekly Construction Progress meeting was held at 1000 hours on Wednesday, May 22, 2019 at the on-site conference room and via conference call. Representatives from the following stakeholders attended the meeting in person or via telephone:

- EPA
- Jacobs
- Spokane Tribe of Indians
- Dawn Mining Company (DMC)/Newmont
- Stantec
- Ajax
- WME

Meeting Action Items:

- None

EPA Plan/Document Approvals:

- None

Regulatory Site Visit(s):

- Steve Demus, Jacobs, representing EPA was on site May 22.

REMEDIAL WORK ACTIVITIES

Construction:

During the week of May 17 – 23, 2019, the following activities were conducted:

- Excavating, hauling and placing material from Protore Stockpile 4 (Stockpile 4, high activity/high reactivity material), Ore and Protore Stockpile 5 (Stockpile 5, high activity/high reactivity material) and South Waste Rock Pile (SWRP, low activity/low reactivity material) continued. Material from SWRP was placed on the north, east, and west sides of Pit 4 to create the 20' rind buffer area. Some material from SWRP was placed at the south end of the pit to start forming the 20' radon buffer on the outer waste surface. The materials were excavated with either excavator or loader equipment and transported and plug dumped with haul trucks. The plug dumps were leveled with a dozer into lifts not exceeding 10' thick. Table 1 presents the 2019 Pit 4 mass haul materials volume. No haulage occurred on May 17 due to a precipitation event and resulting wet and muddy Site conditions.

Table 1 – 2019 Pit 4 mass haul volume estimates

Reporting Period	Truck Loads	Estimated Volume[1] yd^3
May 17 - 23, 2019	3,060	85,680
2019 Cumulative	23,531	658,868

1 – Truck load assumed to be 28 yd^3

- Removed trees from the Pit 4 east side tie-in area.
- Placed Geocomposite Clay Liner (GCL) and Drain Gravel in the West Infiltration Collection system extensions under the first waste lift and commenced covering the West Infiltration Collector with mine waste excavated from the SWRP on May 23.
- Mike Williamson of Bison Engineering was on Site and calibrated the dust monitors and Site meteorological station on May 21.
- Pit 4 tension crack was measured on May 20. The horizontal distance between movement pins remains at 53.75 inches, indicating no movement.

Stormwater Pollution Prevention Plan (SWPPP) Activities

- Performed a combined regularly scheduled weekly and event-based SWPPP inspection on May 17. The event-based SWPPP inspection was triggered by the May 16 – May 17 precipitation event when more than 0.5 inches of precipitation fell at the site in a 24-hour period. No stormwater discharges to the designated stormwater monitoring points occurred during the event. An inspection report has been posted to the SharePoint site.

Equipment Mobilized/Demobilized and Material Delivered

The following equipment was mobilized to the Site during this reporting period.

- One Caterpillar 745C articulated haul truck.

The following equipment was demobilized from the Site during this reporting period.

- Two Caterpillar 745C articulated haul trucks.

All non-road diesel equipment on Site is US-EPA Tier 4 compliant. On-site rental equipment and subsequent deliveries of rental equipment may be less than Tier 4 and will be assessed at the time of delivery.

Materials:

The following material was delivered to the Site during this reporting period.

- None

Dust Control and Monitoring

Six dust monitors were operated during construction activities at the locations and for the time intervals listed in Table 2. The Total Suspended Particulate (TSP) action level of 260 micrograms/cubic meter was not exceeded during the reporting period. All monitors were turned off Friday during day and night shift operations (5/17/2019) due to heavy rain.

Bison Engineering was on site 5/21/2019 to perform monthly calibration procedures for all on-site dust monitors (including spares).

Table 2 - TSP Dust Monitoring Locations during reporting period May 17 – 23, 2019

Monitor ID	Location Description	Start Date	Status						
			Fri	Sat	Sun	Mon	Tue	Wed	Thu
ES-1 (stationary)	Midnite Mine Top of Pit 4	04/01/19	E			D/N	D/N	D/N	D/N
ES-2 (stationary)	Midnite Mine Southeast Boundary	04/01/19	E			D/N	D/N	D/N	D/N
ES-3 (stationary)	Midnite Mine West Boundary	04/01/19	E			D/N	D/N	D/N	D/N
ES-4 (roving)	Top of Stockpile 3	04/30/19	E			D/N	D/N	D/N	D/N
ES-5 (roving)	Spare								
ES-6 (roving)	East Side of Pit 4 next to portable light plant.	04/01/19	E			D/N	D/N	D/N	D/N
ES-7 (roving)	Southeast corner of Area 5	04/02/19	E			D/N	D/N	D/N	DN
ES-8 (roving)	Spare								

D=Day Shift (6:00 am to 4:30 pm)
N=Night Shift (4:00 pm to 2:30 am)
E=Environmental conditions (Fog, smoke, pollen, heavy rain, etc.) – No Operation
* Equipment malfunction (Battery)

PROJECT DOCUMENTATION

Project Submittals, Engineering Change Notices (ECNs), Requests for Information (RFIs), Non-Compliance Notifications (NCNs), CQA-CQC Field Acceptance Forms and Other Items received, changed or noted before or during this time-period are shown in the table below:

Table 3 – CQA Documentation

Project Submittals			
Submittal No.	***Title***	***Submittal Date***	***CQA Acceptance Date***
01018-33	Lime Protore Stockpile #8 West Excavation As-Built Data	5/13/2019	5/17/2019 EPA Acceptance 5/21/2019
Project ECNs			
ECN No.	***Title***	***EPA Submittal Date***	***EPA Response Date***
None			
Project RFIs			
RFI No.	***Title***	***CQC Submittal Date***	***CQA Response Date***
RFI 2019-007	Geomembrane Warranty	5/13/2019	5/16/2019 EPA Acceptance 5/21/2019
RFI 2019-08	Detectable Identification Tape	5/10/2019	TBD
RFI 2019-09	Trench Compaction Testing	5/10/2019	TBD
Project NCNs			
NCN No.	***Title***	***CQA Issue Date***	***CQC Response Date***
None to Date			
CQC-CQA Field Acceptance Forms			
CQC-CQA Acceptance No.	***Title***		***CQC-CQA Issue Date***
2019-07	West Side IC System - Subgrade, GCL Placement and Depth of Drain Gravel for 3 Southern Lateral Collectors - GCL Placement and Depth of Drain Gravel for Main Collector from Stations 10+00 to 16+40		5/23/2019
Other Items			
Item	***Title***		***Comments***
None			

Copies of the updated CQA Logs are provided on the project SharePoint site under the 2019 CQA Folder.

SITE INSPECTIONS

Details regarding the four-phase CQA observation/inspection process for each definable work feature is summarized above within each work-feature section and are further detailed in the daily CQC/CQA reports that are available on the project SharePoint site.

Preparatory Inspections / Meetings

None during this time-period.

Initial Phase Inspections

None during this time-period.

Follow-up Phase and Ongoing Inspections

Daily observations/inspections by CQA during Pit 4 backfill and other construction activities for the following site-specific tasks:

- Pit 4 Backfill
  - Mine waste excavated from the North SWRP and the South Pond Cut (all low reactivity material) was placed along the edges of the pit to construct the 20-foot buffer zone (rind). Mine waste excavated from Stockpile 5 (high reactivity/high activity material) was placed in areas of the pit bounded by the 20-foot buffer zone.
- West Side Infiltration Collection System (WICS)
  - Excavation and placement of GCL and drain gravel continued for the WICS - west side of Pit 4. CQC-CQA acceptance for the following:
    - Subgrade, GCL Placement and minimum depth of drain gravel for the two southernmost lateral collectors and the mini-collector located between the two.
    - GCL Placement and minimum depth of drain gravel for the main collector from Stations 10+00 to 16+40.
    - See CQC-CQA Acceptance Form 2019-07 on the project SharePoint site.

Completion Inspections

- None

THREE WEEK LOOKAHEAD SCHEDULE

Three Week Lookahead Schedule

A copy of the Three Week Lookahead Schedule is provided as Attachment A.

Report completed and submitted by:

David Lee
Project Construction Director

Attachments

- Attachment A – Midnite Mine 3 Week Lookahead Schedule

Photos of pertinent items are provided below.

Figure 1 West Infiltration Collector (WIC), Mini-Collector Constructed Adjacent to the West Side of the Main Collector Located between the First and Second Laterals, Looking South

Figure 2 First Lateral Located Along the West Side of the WIC Main Collector CQC Inspecting GCL Placement, Looking West

Figure 3 First Lateral Located Along the West Side of the WIC Main Collector CQC Surveying Top of Drain Gravel Placement, Looking East

Figure 4 Second Lateral Located Along the West Side of the WIC Main Collector GCL Placement, Looking West. Orange stakes in background mark upper extent of subgrade that is currently surveyed and approved for placement of GCL and Drain Gravel.

Figure 5 Second Lateral Located Along the West Side of the WICS Main Collector CQC Surveying Top of Drain Gravel Placement, Looking East

Figure 6 Pit 4 Overview, Looking South

Figure 7 First Load-Out at the South Pond Cut, Looking East

Figure 8 Second Load-Out at the South Pond Cut, Looking North

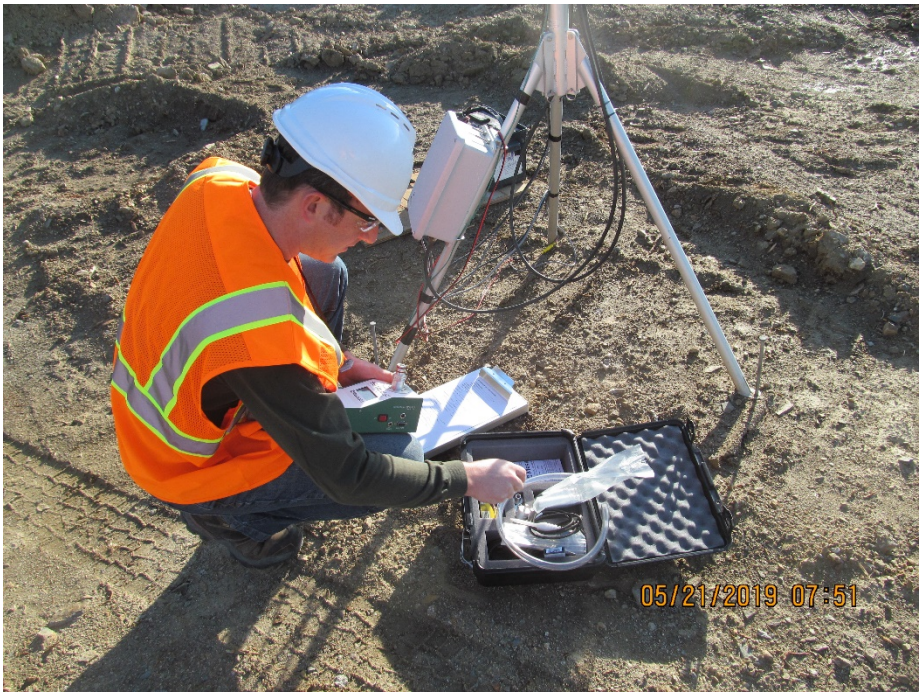


Figure 9 Bison Engineering - Monthly Dust Monitor Calibrations

Figure 10 Load-Out at the North SWRP, Looking South

ATTACHMENT A

MIDNITE MINE THREE WEEK LOOKAHEAD SCHEDULE

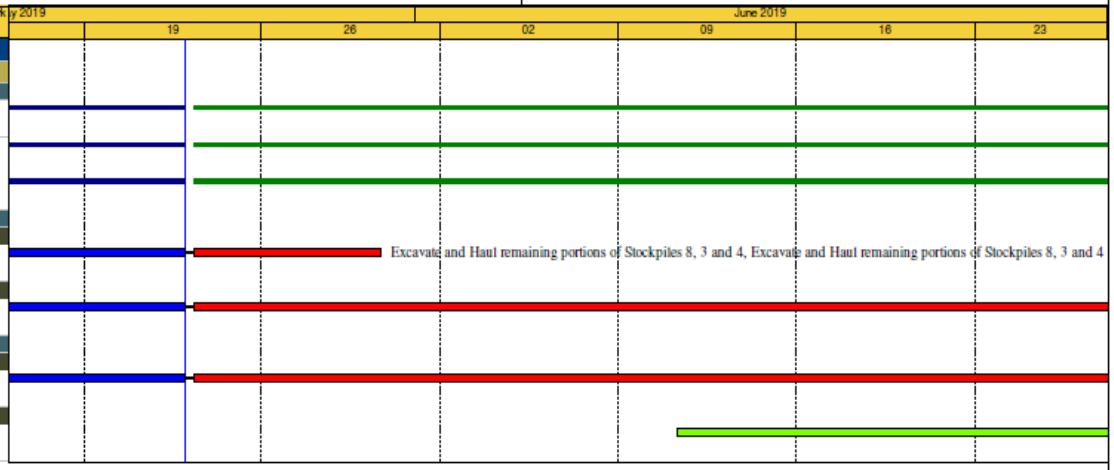
NEWMONT GOLDCORP

Midnite Mine 2019 Production Schedule

Midnite Mine Remedial Action 3 Week Look Ahead Schedule

Data Date: 23-May-19
Print Date: 24-May-19

Activity ID	Activity Name	% Complete	Remaining Duration	Start	Midnite Work Resp.
Midnite Mine 2019 Production Schedule			**119**	**01-Apr-19 A**	
Project Operations			**119**	**01-Apr-19 A**	
Pit 4 Operations			**119**	**16-Apr-19 A**	
DR10	Install Pit 4 Underdrain Dewatering Risers (LOE)	68%	119	16-Apr-19 A	NMC
DR20	Install Pit 4 Waste Rock Dewatering Risers (LOE)	66%	119	16-Apr-19 A	NMC
IC10	Install Pit 4 Infiltration Collectors (LOE)	37%	119	22-Apr-19 A	NMC
WTP & South Pond Excavation to Pit 4			**51**	**01-Apr-19 A**	
Stockpiles 8, 3 and 4			**6**	**01-Apr-19 A**	
SP8-10	Excavate and Haul remaining portions of Stockpiles 8, 3 and 4	97%	6	01-Apr-19 A	NMC
South Pond			**51**	**06-May-19 A**	
SP3,4&SoPond-30	Excavate and Haul South Pond to Pit 4	14%	51	06-May-19 A	NMC
SWRP (South Waste Rock Pile) to Pit 4			**53**	**01-Apr-19 A**	
SWRP North			**53**	**01-Apr-19 A**	
SWRP-N-10	Excavate and Haul SWRP North to Pit 4 (Part 1)	12%	53	01-Apr-19 A	NMC
SWRP Ramp to CSZ+WTP			**20**	**11-Jun-19**	
SWRP-CSZ+WTP-10	Excavate and Haul SWRP Ramp to CSZ+WTP to Pit 4	0%	20	11-Jun-19	NMC



◆ Current Milestone
Actual Work
Remaining Work
Critical Remaining Work
Remaining Level of Effort
Actual Level of Effort

NEWMONT