COLORADO
Division of Reclamation, Mining and Safety
Department of Natural Resources

MINERALS PROGRAM INSPECTION REPORT
PHONE: (303) 866-3567

The Division of Reclamation, Mining and Safety has conducted an inspection of the mining operation noted below. This report documents observations concerning compliance with the terms of the permit and applicable rules and regulations of the Mined Land Reclamation Board.

MINE NAME: Cresson Project	**MINE/PROSPECTING ID#:** M-1980-244	**MINERAL:** Gold and Silver	**COUNTY:** Teller
INSPECTION TYPE: Monitoring	**WEATHER:** Clear	**INSP. DATE:** July 26, 2023	**INSP. TIME:** 08:00 a.m.
OPERATOR: Cripple Creek & Victor Gold Mining Co.	**OPERATOR REPRESENTATIVE:** Brian Doering & Joshua Adams	**TYPE OF OPERATION:** 112d-3 - Designated Mining Operation	
REASON FOR INSPECTION: Normal I&E Program	**BOND CALCULATION TYPE:** None	**BOND AMOUNT:** $209,491,188.00	
DATE OF COMPLAINT: NA	**POST INSP. CONTACTS:** None	**JOINT INSP. AGENCY:** None	
INSPECTOR(S): Nikie Gagnon	**INSPECTOR'S SIGNATURE:** 	**SIGNATURE DATE:** September 28, 2023	

GENERAL INSPECTION TOPICS

This list identifies the environmental and permit parameters inspected and gives a categorical evaluation of each. No problems or possible violations were noted during the inspection. The mine operation was found to be in full compliance with Mineral Rules and Regulations of the Colorado Mined Land Reclamation Board for the Extraction of Construction Materials and/or for Hard Rock, Metal and Designated Mining Operations. Any person engaged in any mining operation shall notify the office of any failure or imminent failure, as soon as reasonably practicable after such person has knowledge of such condition or of any impoundment, embankment, or slope that poses a reasonable potential for danger to any persons or property or to the environment; or any environmental protection facility designed to contain or control chemicals or waste which are acid or toxic-forming, as identified in the permit.

(AR) RECORDS---------- Y	(FN) FINANCIAL WARRANTY-------- N	(RD) ROADS---------- N
(HB) HYDROLOGIC BALANCE---------- N	(BG) BACKFILL & GRADING---------- N	(EX) EXPLOSIVES--------- Y
(PW) PROCESSING WASTE/TAILING---- N	(SF) PROCESSING FACILITIES------- N	(TS) TOPSOIL---------- N
(MP) GENL MINE PLAN COMPLIANCE- Y	(FW) FISH & WILDLIFE---------- N	(RV) REVEGETATION---- N
(SM) SIGNS AND MARKERS---------- N	(SP) STORM WATER MGT PLAN---- N	(RS) RECL PLAN/COMP-- N
(ES) OVERBURDEN/DEV. WASTE--------- N	(SC) EROSION/SEDIMENTATION--- N	(ST) STIPULATIONS------- N
(AT) ACID OR TOXIC MATERIALS------- N	(OD) OFF-SITE DAMAGE----------N	

Y = Inspected / N = Not inspected / NA = Not applicable to this operation / PB = Problem cited / PV = Possible violation cited

OBSERVATIONS

This was a normal monthly monitoring inspection of the Cresson Project conducted by Nikie Gagnon with the Division of Reclamation, Mining and Safety (Division). Brian Doering, Environmental Coordinator representing the Operator (CC&V), accompanied the Division during the inspection. The inspection included the following facilities/areas:

Heritage Center - observe 8:00 a.m. Schist Island blasting event
Ironclad Building - review blast records
ADR2 - PSSA remote monitoring
Overlook of VLF2 Phase 3 Construction
Clay Borrow Process Area
Bone Yard

On July 5, 2023, the Division received an informal call from a citizen regarding a blast at 8:03 a.m. The caller indicated he lives approximately 4 miles from the mine and stated the blast on this day was larger/louder than ever before and was concerned. The caller indicated no vibration was felt at his residence and there was no damage to his home, confirming it was likely sound. The citizen decided not to file a formal complaint.

The Division reviewed the permit files for a blasting plan and trigger limits for vibration and sound. Over the years, seven blast vibration studies have been conducted at CC&V. The last study was submitted to the Division in 2016 for Amendment 11. In the February 2017 adequacy review for Amendment 11, CC&V commits to using 1,100 lbs. charge weight per 8 ms delay until the scale distance allows for a higher charge weight. This commitment was based on the study conducted by Matheson Mining Consultants (January 20, 2016), which recommended a PPV limit of 0.5 inches per second to limit blast effects on surface structures, and a Scaled Distance of 34.09 at 1,135 feet, correlates to a maximum allowable charge weight per 8 millisecond (ms) delay period of 1108.5 lbs.

Schist Island Blast Observation

The Division met Brian Doering, Jason Lohmeier (Drill Blast Supervisor), and Matt Smott (Project Supervisor) at the Heritage Center overlook at 7:45 a.m. to observe the 8:00 a.m. blast scheduled at Schist Island. The overlook is located on the west side of State Highway 67 across from Schist Island. Mr. Lohmeier provided an overview of the blasting procedures and brought along a portable sound monitor to measure the blast. The Division was provided with a printout of the anticipated peak particle velocity (PPV) for each of the permanent and temporary monitoring stations for this blast (see Attachment A). The anticipated PPV at the Heritage Center for the blast was 0.115 PPV. Additionally, the Division received a copy of the CC&V Site Noise Exceedance Response Plan (see Attachment B).

During this inspection, the Division observed the blast event and noted a delay between the blasts, consistent with an 8 ms delay used in the burn pattern. The pre-split blast registered a peak of 73 decibels (dB) on the portable sound monitor. The production blast registered 63 dB, however, a car was driving by at the same time which likely affected the result. In 2000, CC&V signed an MOU with the Teller County Planning Commission. Per the MOU, noise is monitored in the permit area at two location – Rigi and Poverty Gulch Meteorological monitoring and CC&Vs operating noise level would not exceed 55 dB average per hour at adjoining properties, when wind speeds were below 5 mph. Sound is recorded at the two monitoring stations

every 15 minutes as a 1-hour average interval. There are no reports to the ADVM2 dashboard unless there is a 1-hour exceedance. Mr. Doering stated the trigger level for notification is set at 50 dB and Poverty Gulch averages 45.8 dB under current operating conditions. Current and historical data can be viewed on the online ADVM2 dashboard. Photos of the blast event are included in this report.

The Division noted the dust hanging around in Poverty Gulch after the blast. There was very little wind at the time of the inspection. From the overlook at the Heritage Center, Mr. Doering pointed out the air quality monitoring station in Poverty Gulch, located below and west of the blasting area (See Attachment C Schist Island monitoring map). The air quality monitoring stations are inspected on-site quarterly by a third party, ADVM2. Following the inspection CC&V sent the Division a copy of the PM10 Trigger Action Plan (See Attachment D) ADVM2 Dashboard Data (Attachment E).

Ironclad Building – Blast Records and Monitoring System

CC&V installed a new real time monitoring system in October 2021. The system takes constant t-wave readings for vibration and reports the highest reading from an event (if the monitor is triggered). The monitoring system sends out email alerts to dispatch and the S&ER staff if there is a triggering event above the threshold set in the system. The dashboard only reports when a vibration triggers the monitor. According to Mr. Doering, many of the monitors don't typically register a vibration sufficient to trigger the monitor, however, occasionally, thunderstorms and hail will trigger sound alerts. The trigger level on the vibration monitors is set to 0.0500 in/sec PPV. The monitors are sent out and calibrated annually. The noise monitors were last calibrated on February 16, 2023 (Attachment F). The monitoring equipment is inspected quarterly by a 3rd party. Following the inspection, CC&V sent the Division a report showing all the events triggered this year (See Attachment G).

During this inspection, the Division observed the online system in the Ironclad building, collecting real time data at the permanent and temporary monitoring stations. The monitoring system used at the site prior to 2021 was a weekly download system. The data from the older monitoring system is archived and available upon request. The online data observed goes back to 09/2021, when the system was installed.

Prior to this inspection, CC&V reviewed their blasting records for July 5, 2023 and determined that the complainant likely heard the sound wave from a pre-split blast which generate less vibration through the ground than a production blast but are louder. During this inspection, Mr. Doering stated that on July 5 he was at the Poverty Gulch air monitoring station, which is located on a hill west of Schist Island. He recalled that the pre-split blast was louder than normal and noted that it was an overcast day with a low cloud ceiling, which likely confined the sound in the area.

Monitoring Stations

There are five permanent off-site vibration monitoring locations (Poch, Sherret, Goldfield City Hall, Barron and Flower Shop) which are set up with remote monitoring. Additionally, CC&V sets up temporary or internal monitoring stations as needed, based on where blasting is occurring. CC&V provided a map of the PPV Monitoring Locations (Attachment H). During this inspection, the Division observed the monitoring stations closest to the blasting area. As shown on the map, the Mollie Kathleen Mine and the Sherret residence are north of the blasting area. Neither of these vibration monitoring locations were triggered on 7/5/2023. The Division also observed the monitoring station at Carl Poch's home, which is in Cripple Creek, west and below the blasting area. On July 5, 2023, the Poch monitor recorded a vibration of 0 .0506 PPV at 2:46 p.m., which was determined to be a thunderstorm since no blasting was occurring at this time. According to the PPV

Triggered Events report (Attachment G), no other permanent monitoring stations were triggered on July 5, 2023.

ADR2 - PSSA Remote Monitoring

The high volume and low volume solution levels in VLF1 and VLF2 were checked remotely from the office with the help of Mr. Dylan Noble (CC&V). All levels were within normal operating limits and no issues were noted (see Attachment I).

VLF2 Phase 3 Construction

The Division observed, from an overlook, the progress at the Phase 3 Process Solution Storage Area (PSSA). Drain rock material has been placed around the riser pipes. Drain cover fill (DCF) was being placed on the final layer of 100 mil LLDPE. The Division observed dark colored meteoric water in the PSSA.

Clay Borrow Excavation and Processing Area

The Division observed active excavation in the clay borrow area, approved under TR137. The clay is excavated and trucked to a storage area and placed in stockpiles for processing. The Division observed the processing area. No compliance issues were noted at either location.

Bone Yard

The Division observed an equipment storage area on top of Dump 1. No compliance issues were noted.

Washout in VLF – Phase 5

After the Division closed out the inspection, the inspector travelled around the perimeter of the site and noted a significant washout on the VLF-Phase 5 (see Photo 14). Upon return to the office, the inspector was informed the Division received a courtesy call on July 26, regarding this washout. CC&V indicated that on July 23, 150,000 gallons of solution was released on this portion of the VLF. Pumps and pond levels were maintained, and everything was contained on liner. The Division followed up with CC&V and inspected this area on August 24, 2023.

Photographs taken during the inspection are included with this report. Any questions regarding this report should be forwarded to Nikie Gagnon at (303) 866-3567 ext. 8126 or nikie.gagnon@state.co.us.

PHOTOGRAPHS

Photo 1. Schist Island blasting area from the overlook at the Heritage Center.

Photo 2. Pre-split blast at Schist Island. Looking east across Highway 37 from the overlook at the Heritage Center.

Photo 3. Production blast (circled) at Schist Island. Looking east across Highway 37 from the overlook at the Heritage Center.

Photo 4. Location of vibration and sound monitoring station, on an adjacent hill west of Schist Island (see Schist Island Monitor Map in Attachment C)

Photo 5. Dust observed after blast, very little wind on this day. Arrow points to air quality monitoring station in Poverty Gulch.

Photo 6. Arrow points to air quality monitoring station below in Poverty Gulch. Photo taken prior to blast.

Photo 7. Looking north from the Heritage Center parking lot. Mollie Kathleen Mine in the foreground. Sherret Residence in the background.

Photo 8. Monitor station at Carl Poch's residence in Cripple Creek, west of Schist Island.

Photo 9. Looking east across clay borrow excavation area from County Rd. 82.

Photo 10. Looking south at excavation of clay borrow area.

Photo 11. Looking west from an overlook above the Phase 3 PSSA. Arrows point to completed riser pipes surrounded by DCF. The Division noted dark water in the bottom of the PSSA.

Photo 12. Looking southwest from an overlook above the Phase 3 PSSA. Drain cover fill (DCF) was being placed on the final layer of 100 mil LLDPE.

Photo 13. Clay borrow storage and processing area.

Photo 14. VLF-Phase 5 washout observed by Division, after closeout of inspection.

Inspection Contact Address

Brian Doering & Joshua Adams
Cripple Creek & Victor Gold Mining Company
P. O. Box 191
Victor, CO 80860

Enclosures: Attachment A Anticipated peak particle velocity (PPV) for blast on 7/26/2023
Attachment B CC&V Site Noise Exceedance Response Plan
Attachment C Schist Island Monitor Map
Attachment D PM10 Trigger Action Response Plan
Attachment E ADVM2 Real Time Dashboard Report
Attachment F Noise Monitoring Calibration February 2023
Attachment G Dashboard PPV Triggered Events 2023
Attachment H PPV Estimate Location Map
Attachment I ADR2 PSSA Remote Monitoring

CC: Michael Cunningham, DRMS
Elliott Russell, DRMS
Katie Blake, CC&V
Brian Doering, CC&V

Attachment A
Anticipated peak particle velocity (PPV) for blast on 7/26/2023

Ernest Amakye

From: Ernest Amakye
Sent: Wednesday, July 26, 2023 7:05 AM
To: Charles Bissue; Tige Brown; William (Cody) Reisch; Katie Blake; Jason Lohmeier; Tsibu-Darko Avenson; Kaitlyn Ragsdale; Eirik Dickson; Johnna Gonzalez; Andrea Connolly; Hunter Perales; Nicholas Mendoza; Vivek Galla
Cc: Taylor Darnall
Subject: PPV Est. 07/26-27/2023

All,
Below is the PPV estimates for the rest of the week's blasts.
Any changes to the sequence or shot schedule will be updated and communicated ahead of the blasts.

PPV estimation are based on the new site law data.

Wednesday

SI 9830-403PS
D&B do not expect vibration but air-over pressure in the presplit.

SI 9830-398

GENERAL INFORMATION

Pit: **Schist Island** Date: 26-Jul-2023

Bench: **9830-398**

Nearest Structure	Burden	Spacing	Height	Distance to Structure	SD Calc	Max Charge Weight	Max PPV Allowed	Estimated PPV Calc
Sharrets-Monitor	15	17	35	4406	120	1350	0.500	0.066
Sharrets- Home	15	17	35	4212	115	1350	0.500	0.071
Mollie Kathleen-S3	15	17	35	3369	92	1350	0.500	0.102
Heritage Center-S4	15	17	35	3131	85	1350	0.500	0.115
Conley Yard	15	17	35	2113	58	1350	n/a	0.218
Carl Poch	15	17	35	4119	112	1350	0.500	0.073
Sunny White	15	17	35	4225	115	1350	0.500	0.070
Kathy Johnson	15	17	35	3251	88	1350	0.500	0.108
Simba Lyons	15	17	35	3453	94	1350	0.500	0.098
Joyce Smith	15	17	35	4987	136	1350	0.500	0.054
RD Sharp-S1	15	17	35	4109	112	1350	0.500	0.074
John Tulley	15	17	35	6268	171	1350	0.500	0.037
VLF1	15	17	35	2173	59	1350	10.000	0.208
VLF2	15	17	35	2048	56	1350	10.000	0.229
VLF3	15	17	35	1855	50	1350	10.000	0.269
VLF Liner 202011	15	17	35	1557	42	1350	10.000	0.359
CO Division of Gaming	15	17	35	8167	222	1350	0.500	0.024
C St/W. Eaton	15	17	35	8312	226	1350	0.500	0.023
Cripple Creek Museum	15	17	35	3307	90	1350	0.500	0.105
Stillian Monitor	15	17	35	5314	145	1350	0.500	0.048

SC 9655-200

GENERAL INFORMATION								
Pit:	South Cresson						Date:	26-Jul-2023
Bench:	9655-200							
Nearest Structure	Burden	Spacing	Height	Distance to Structure	SD Calc	Max charge weight	Max PPV Allowed	Estimated PP Calc
Ajax Headframe	15	17	20	664	38	300	5.00	0.708
Portland Headframe	15	17	20	958	55	300	2.00	0.394
Water Line	15	17	20	0	0	300	15.00	
Carol Barrons-S14	15	17	20	1323	76	300	0.50	0.235
Conley Propane Tank	15	17	20	2178	126	300	0.50	0.106
Jeff Campbell	15	17	20	1963	113	300	0.50	0.125
Broom Shop/Morrisons	15	17	20	2972	172	300	0.50	0.064
Victor City Hall	15	17	20	2554	147	300	0.50	0.082
Flower Shop	15	17	20	2289	132	300	0.50	0.098
Perdew High School	15	17	20	3269	189	300	0.50	0.055
Ruth Zalewski	15	17	20	3086	178	300	0.50	0.061
Rigi	15	17	20	2073	120	300	0.50	0.115
Watson Mill	15	17	20	1928	111	300	0.50	0.129

Thursday

SI 9830-406PS
D&B do not expect vibration but air-over pressure in the presplit.

Please let the Drill and Blast team know if you have any concern(s).

Rgds.,

Ernest

Attachment B
CC&V Site Noise Exceedance Response Plan

Introduction

At Newmont CC&V, we have in place two automated noise monitoring stations. The purpose of these stations is to help operations prevent excessive noise for residents and stakeholders in the communities surrounding the mine.

1. Purpose

To ensure that a plan is in place to respond, when mine related noise exceeds levels agreed upon in the site Memorandum of Understanding (MOU).

2. Background

- An MOU was agreed upon with the Teller County Planning Comminssion in 2000, stating that CC&Vs operating noise level would not exceed 55dB average per hour at adjoining properties, when wind speeds were below 5mph.
- Noise monitoring stations have been put in place in Poverty Gulch and at the RIGI Meteorilogical monitoring station.
- A system is in place to automatically notify dispatch and S&ER personnel of an exceedance of the aforementioned MOU.

3. Scope

- Trigger Action Response Plans (TARPs) are prepared for activities, processes, or tasks that, if conducted under ucontrolled conditions, could have significant impact on:

  -The safety of employees

  -The security of employees and Newmont property

  -Newmont's social license to operate, including impacts to Environment, Safety, and Comunnity Relations.

  -Newmont Values

4. Definitions

ADVM2

Monitoring service contracted by Newmont to track and communicate noise levels remotely from stations around the Cripple Creek and Victor (CC&V) Mine site.

RIGI Station

Monitoring location near Victor

Poverty Gulch Station

Monitoring location near Cripple Creek

Dispatch

Mine Star Contoller/dispatcher runs the dispatch system for Mine Operations.

5. Acronyms/Abbreviations

S&ER: Sustainability and External Relations Department

TARP: Trigger Action Response Plan

CC&V: Cripple Creek and Victor

ADVM: Advanced Monitoring Methods

dB: Decibel

MOU: Memorandum of Understanding

6. Responsibilities

Role	Responsibilities / Accountabilities
ADVM Shall	1. Monitor and record noise levels at Rigi and Poverty Gulch stations continuously. 2. Notify dispatch and S&ER personnel of noise levels exceeding 50dB when wind speeds are below 5mph.
Dispatch Shall	1. Notify Operations Foreperson of the noise level and location of the exceedance. 2. Make contact with equipment working around noise monitoring locations.
Operations Foreperson Shall	1. Investigate the source of the noise exceedance and determine if work can continue in the area more quietly, or if the work must wait for more favorable conditions.
S&ER Personnel Shall	1. Follow up with operations personnel in the event of an exceedance. 2. Determine whether any further action needs to be taken. 3. Track exceedances and communicate with stakeholders. 4. Document stakeholder communication in Cintellate.
Equipment Operators Shall Not	1. Use horn signals in the South Cresson and Schist Island pits.
All Shall	1. Adhere to the procedures outlined in this document.

	2. Use best judgment in the field and communicate concerns. 3. Consider noise impacts in new project area risk assessments.

Noise Exceedance Duration	ADVM	Dispatch	Operations Foreperson	S&ER
First Exceedance	• Notify Dispatch and S&ER Representative via automated email.	• Notify Operations Foreperson of the exceedance • Announce a noise exceedance and the specific monitor.	• Investigate the source of the exceedance .	Communicate any feedback from stakeholders to operations related to noise – document in Cintellate as Stakeholder Communication
Second Exceedance	• Notify Dispatch and S&ER Representative	• Notify Operations Foreperson ot the second exceedance • Attempt to contact equipment working near noise monitoring stations	• Make contact with equipment and personnel working near noise monitoring stations. • Consider quieter alternatives to accomplish the work near noise monitoring stations	• Communicate any feedback from stakeholders to operations related to noise– document in Cintellate as Stakeholder Communication • Communicate alternatives to stakeholders– document in Cintellate as Stakeholder Communication

Third Exceedance	• Notify Dispatch and S&ER Representative	• Notify Operations Foreperson of the exceedance • Attempt to contact equipment working near noise monitoring station	• Make contact with equipment and personnel working near noise monitoring stations • Shut down work near noise monitoring stations until conditions are more favorable. (i.e. Wind speed or direction change)	• Contact Dispatch and or Operations Foreperson, to gather information and confirm noise mitigation– document in Cintellate as Stakeholder Communication • Communicate any feedback from stakeholders to operations related to noise– document in Cintellate as Stakeholder Communication • Communicate alternatives to stakeholders– document in Cintellate as Stakeholder Communication

Monitoring locations in relation to active mining boundaries.

Attachment C
Schist Island Monitor Map


Sherrett Vibration Monitor
Molly Kathleen Vibration Monitor
Heritage Center
Poch Vibration Monitor
Poverty Gulch Dust Monitor
Poverty Gulch Wind and Noise Monitoring Station
Schist Island Pit
Amendment 13 Boundary
0ft
100ft
200ft
400ft
800ft

Attachment D
PM10 Trigger Action Response Plan

Introduction

1.0 PURPOSE

To ensure that there is a plan in place when areas are impacted by weather events which could affect our normal operating procedures.

2.0 SCOPE

Trigger Action Response Plans (TARPs) are prepared for activities, processes, or tasks that, if conducted under uncontrolled conditions, could have a significant impact on:

- The safety of employees
- The security of employees and Newmont property
- Newmont's social license to operate, including impacts to Environment, Safety, and Community Relations
- Newmont values

3.0 DEFINITIONS

ADVM2

Dust monitoring website, https://newmont.advm2.net/#/

Bench

Area in the pit designated by feet above sea level.

Dispatcher

Mine Star Controller/dispatcher runs the dispatch system for Mine Operations.

RIGI

The dust monitoring station located on the Southeast corner of the CC&V property that measures PM-10 dust, wind speed and direction

Poverty Gulch BAM

The dust monitoring station located on the Northwest corner of the CC&V property that measures PM-10 dust, wind speed and direction

PM-10 Dust

Particulate matter dust particles that are 10 micrometers (0.000394 inches) or less in diameter

Work Place Inspection

Inspection of all areas you will be traveling and working in.

4.0 ACRONYMS

TARP

Trigger Action Response Plan

S&ER

Sustainability and External Relations Department

5.0 Responsibilities

Role	Responsibilities / Accountabilities
Department Managers , Superintendents, and General Foreman Shall	**1.** Understand the document and ensure all employees have been trained. **2.** Provide any and all support and assistance needed for effective plan management.
Supervisor Shall	**1.** Ensure all employees have been trained to this document and retrain as necessary. **2.** Ensure all employees adhere to this document and that all policies and procedures are being followed. **3.** Ensure that proper communication has been made with oncoming shift if level/trigger is still in effect. **4.** Ensure that everyone is aware of current level. **5.** Ensure corrective action is taken when trigger levels are met. **6.** Monitor dust conditions in the field and watch for visible dust
Dispatchers/ Controllers Shall	**1.** Ensure proper communication has been sent out when operational changes are made. **2.** Monitor dust thresholds levels for action(s) according to ADVM2 readings **3.** Continually monitor RIGI and Poverty Gulch Bam stations through ADVM2 website and report readings to supervisors when increases are occurring that would lead to a triggered action response.
All Shall	**1.** Adhere to the procedures outlined in this document. **2.** Utilize the flash to bang method if the monitoring system is not functioning. **3.** Report hazardous conditions to supervisor

PM-10 Particulate Dust Operating Conditions

NEWMONT North America

MINING-SURFACE

Supervisors will make any and all decisions in regards to the response plan outlined below. As conditions change the supervisor will at that time make the call to operate within the appropriate level up until normal conditions resume.

Excessive Dust					
			Operator/Contractor	**Supervisors**	**Dispatchers/Controllers**
Normal State	• No Dust visible, good weather, low/no wind • Dust Monitors reading less than 50	**Normal State Response**	• Monitor general weather condition in working areas	• Monitor general weather conditions in work area by access to supplied weather services	• Monitor general weather conditions in work area by access to supplied weather services
Level 1 Trigger	• Presence of Intermittent dust or wind etc. • Dust concentration exceeds 100	**Level 1 Response**	• Monitor general weather condition in working areas • Increase application of water or other dust suppression in impacted areas	• Monitor general weather conditions in work area by access to supplied weather services • Increase dust suppression efforts in affected areas	• Monitor general weather conditions in work area by access to supplied weather services • Communicate to supervisor changes and restrictions in work areas
Level 2 Trigger	• Presence of steady wind, dusts etc. • Dust concentration exceeds 100 sustained for 3 or more hours and/or the daily average is above 75 after 3am	**Level 2 Response**	• Follow direction to limit work activities • Increase application of water or other dust suppression in impacted areas	• Increase dust suppression efforts in affected areas • Limit operation of vehicles and work being performed	• Monitor general weather conditions in work area by access to supplied weather services • Communicate to site changes and restrictions in work areas.
Level 3 Trigger	• Presence of extreme wind, dust, etc. • Dust concentration exceeds 400 at any point, 100 is sustained for 5 hours or more, and/or the daily average is above 100	**Level 3 Response**	• Cease operations of all mining activities in affected areas.	• Ensure operation of all mining activities have ceased in affected areas. • Continue efforts with dust suppression in affected areas.	• Monitor general weather conditions in work area by access to supplied weather services • Communicate to site changes and restrictions in work areas.

8.0 DIRECTION

There are no written procedures to cover every situation that may be encountered. Each individual is responsible to know and understand site specific procedures. If in doubt ask a supervisor.

Follow your site's VITAL BEHAVIORS; they could save your life!

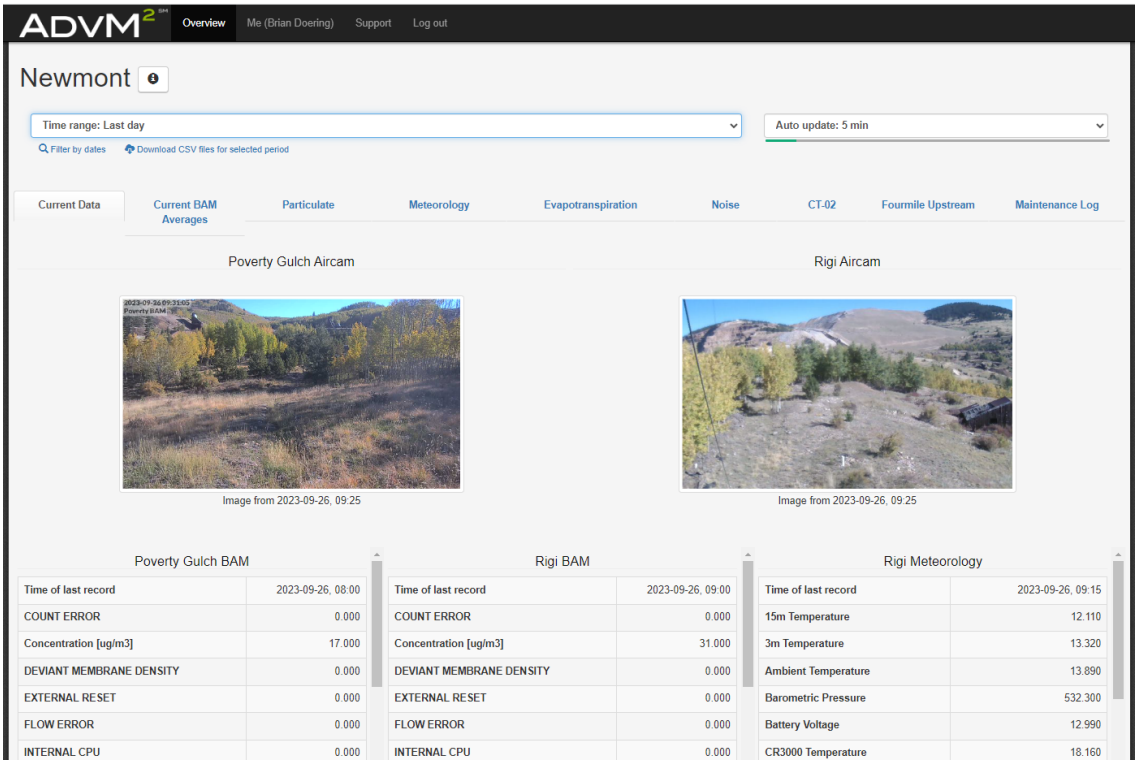
I hereby acknowledge receipt of the Newmont Adverse Weather and Hazardous Operating Conditions TARP.

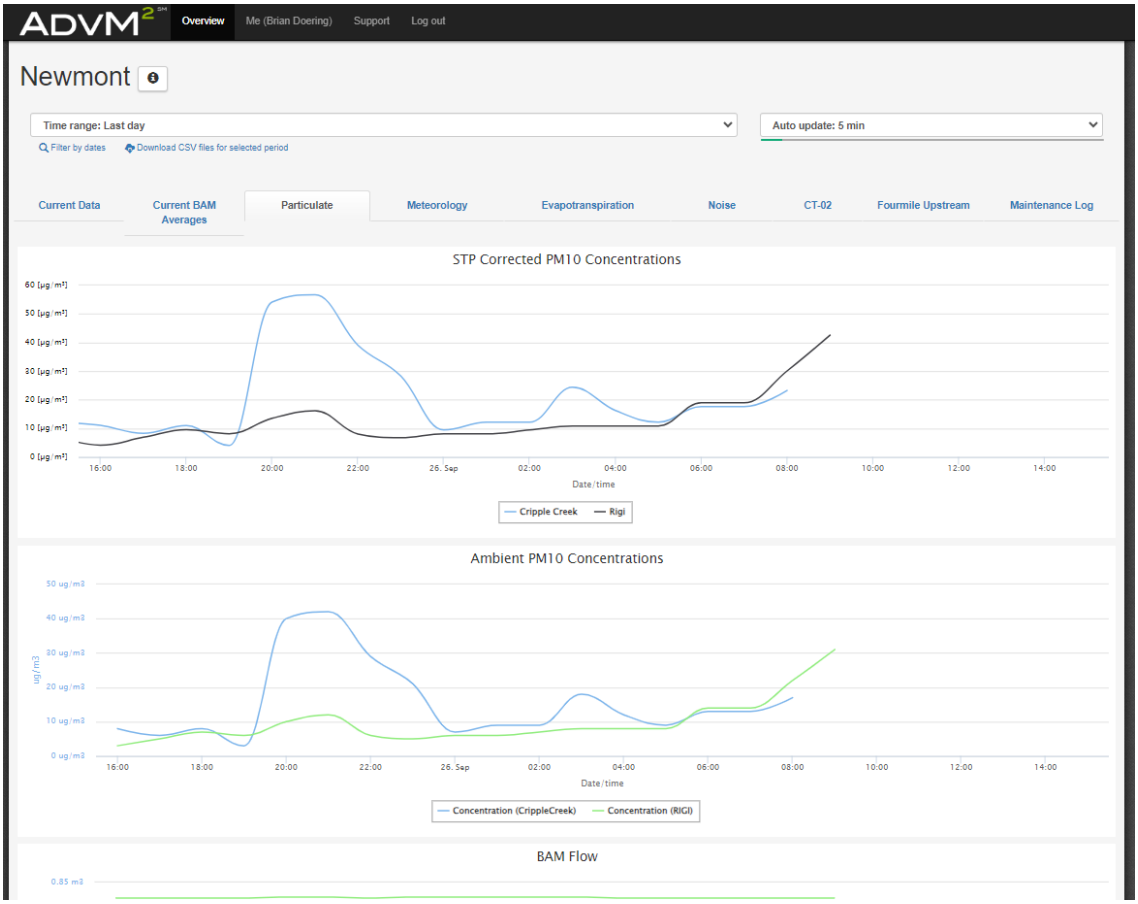
I will read and operate according to the procedures outlined in this document.

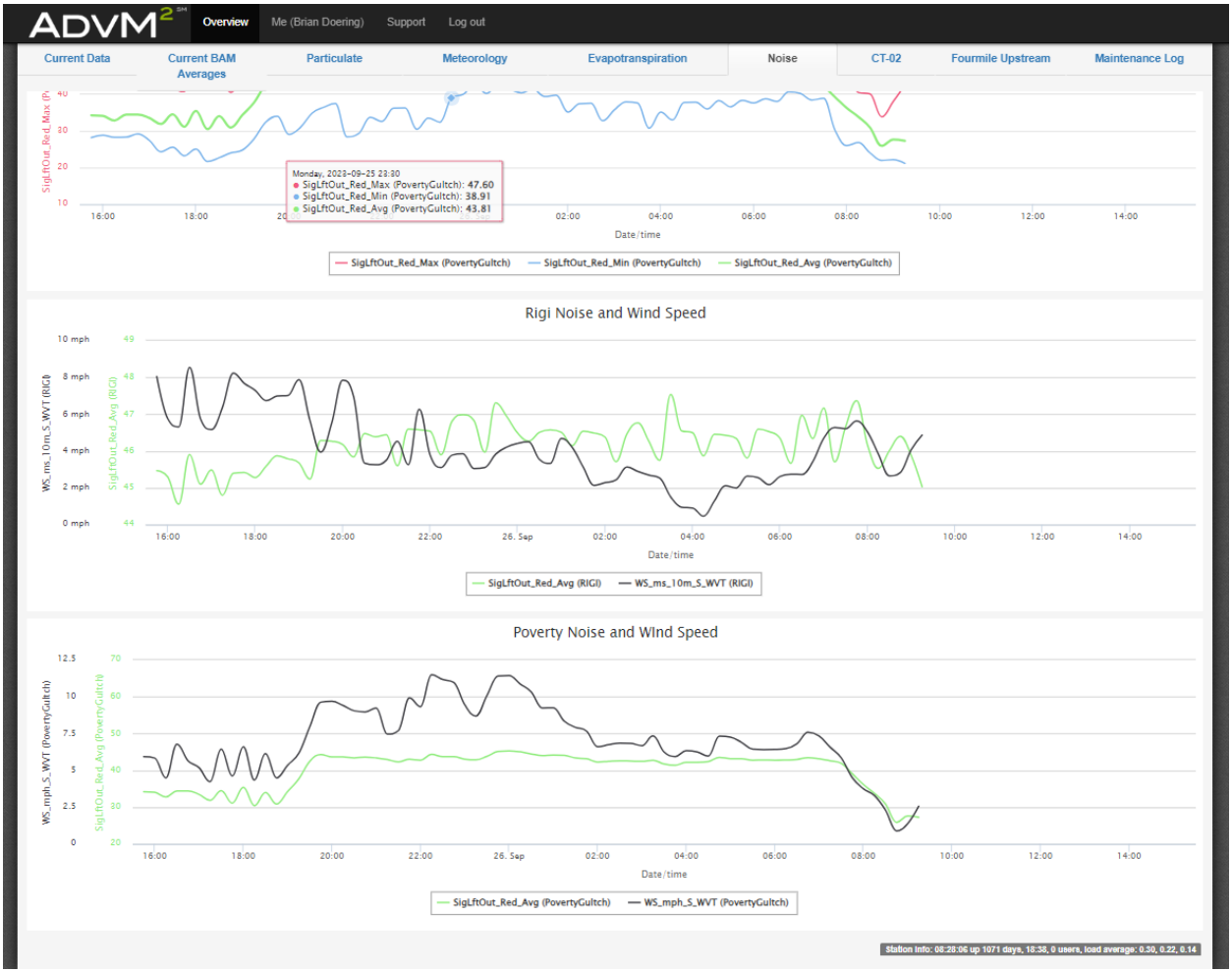
Employee Name	Employee Number
Employee Signature	Date

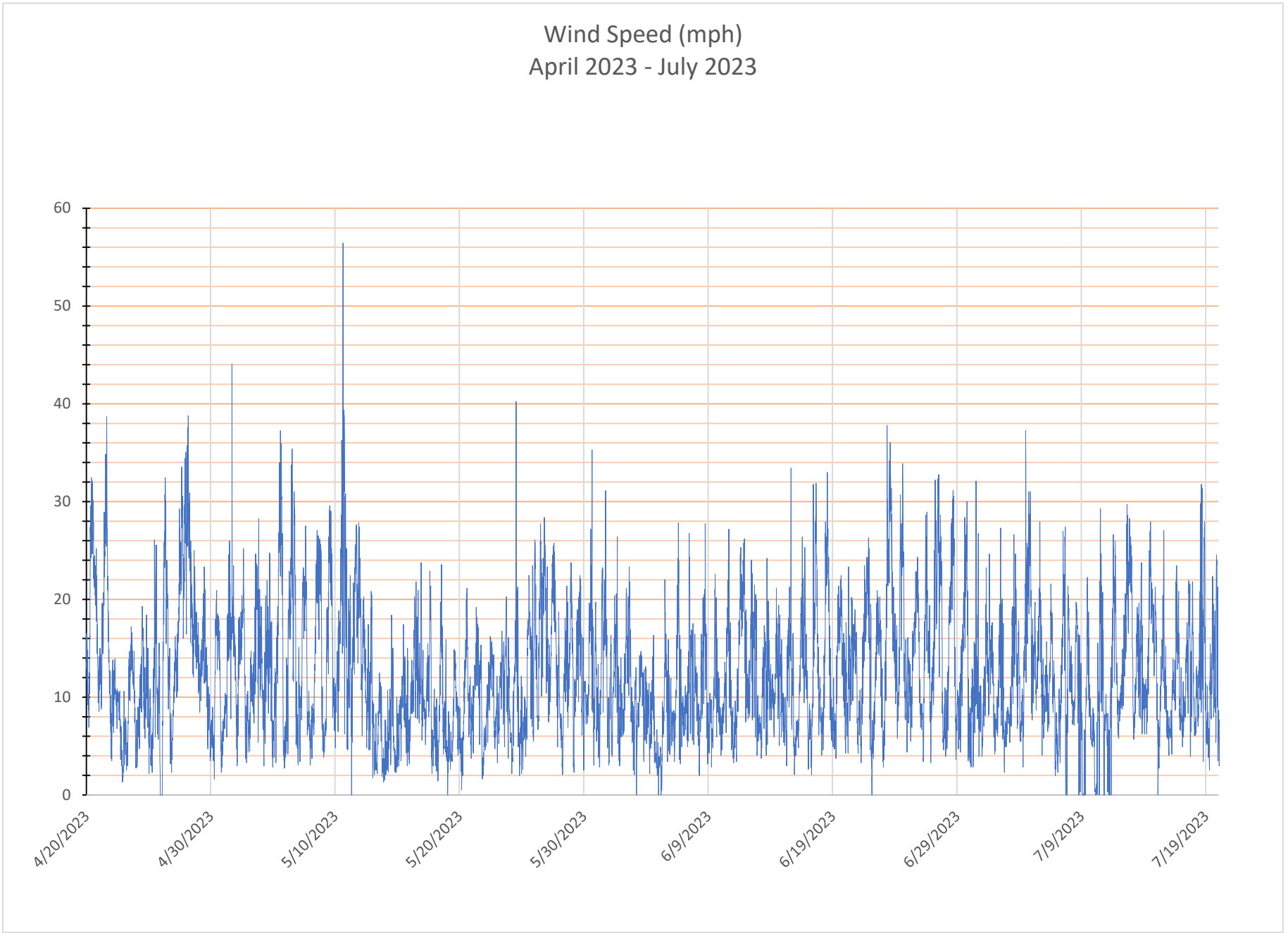
Attachment E
ADVM2 Real-Time Online Dashboard Data

ADVM2 – Real Time monitoring via online dashboard (Air Quality, Noise, Visual, Wind Speed/Direction, and Temperature) For the Poverty Gulch and RIGI locations.

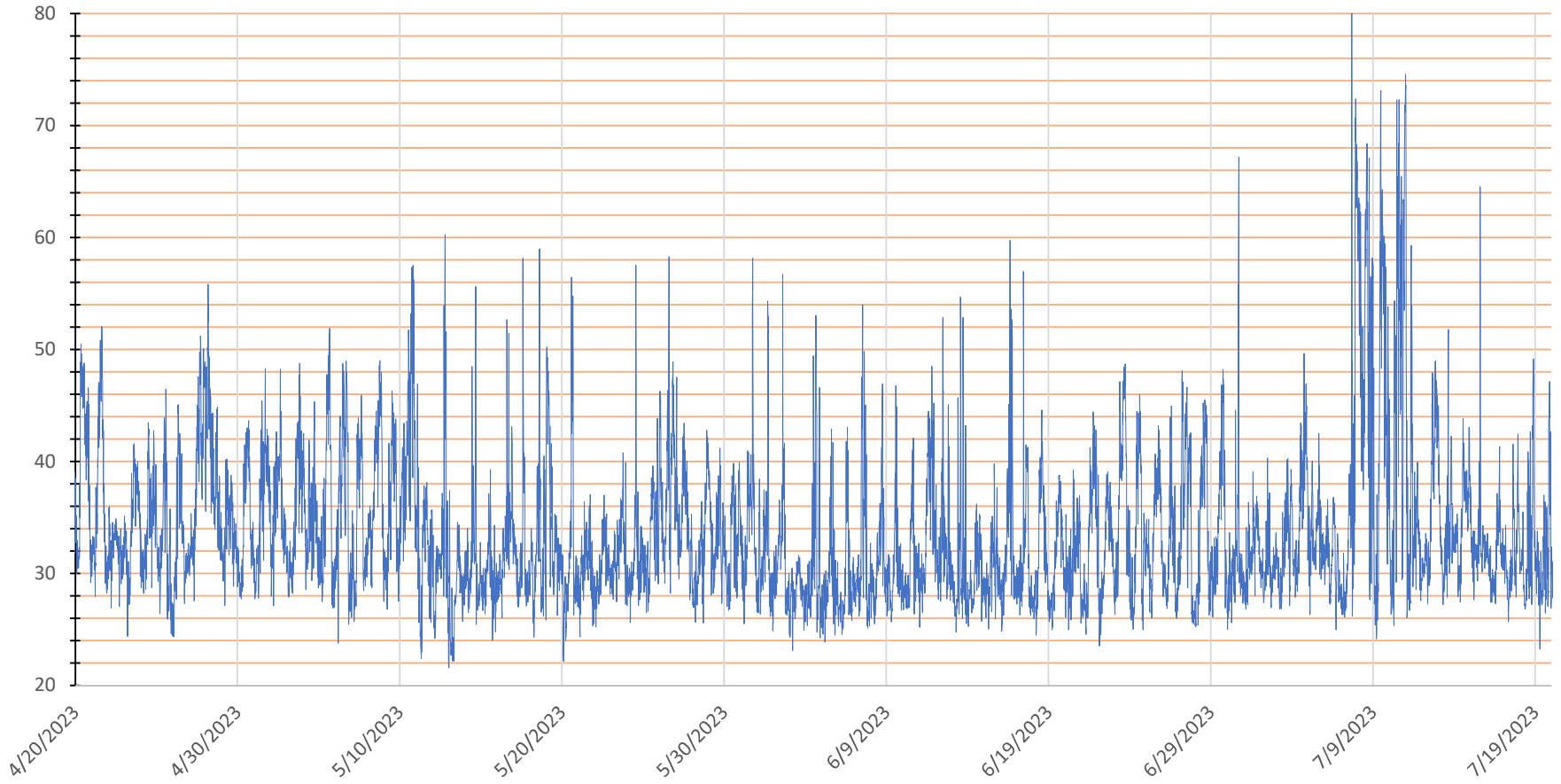



ADVM2
Overview
Me (Brian Doering)
Support
Log out
Newmont
Time range: Last day
Auto update: 5 min
Filter by dates
Download CSV files for selected period
Current Data
Current BAM Averages
Particulate
Meteorology
Evapotranspiration
Noise
CT-02
Fourmile Upstream
Maintenance Log
STP Corrected PM10 Concentrations
60 [µg/m³]
50 [µg/m³]
40 [µg/m³]
30 [µg/m³]
20 [µg/m³]
10 [µg/m³]
0 [µg/m³]
16:00
18:00
20:00
22:00
26. Sep
02:00
04:00
06:00
08:00
10:00
12:00
14:00
Date/time
Cripple Creek
Rigi
Ambient PM10 Concentrations
50 ug/m3
40 ug/m3
30 ug/m3
20 ug/m3
10 ug/m3
0 ug/m3
ug/m3
Date/time
Concentration (CrippleCreek)
Concentration (RIGI)
BAM Flow
0.85 m3


ADVM2
Overview
Me (Brian Doering)
Support
Log out
Current Data
Current BAM Averages
Particulate
Meteorology
Evapotranspiration
Noise
CT-02
Fourmile Upstream
Maintenance Log
Monday, 2023-09-25 23:30
SigLftOut_Red_Max (PovertyGultch): 47.60
SigLftOut_Red_Min (PovertyGultch): 38.91
SigLftOut_Red_Avg (PovertyGultch): 43.81
Date/time
SigLftOut_Red_Max (PovertyGultch)
SigLftOut_Red_Min (PovertyGultch)
SigLftOut_Red_Avg (PovertyGultch)
Rigi Noise and Wind Speed
WS_ms_10m_S_WVT (RIGI)
SigLftOut_Red_Avg (RIGI)
Date/time
SigLftOut_Red_Avg (RIGI)
WS_ms_10m_S_WVT (RIGI)
Poverty Noise and WInd Speed
WS_mph_S_WVT (PovertyGultch)
SigLftOut_Red_Avg (PovertyGultch)
Date/time
SigLftOut_Red_Avg (PovertyGultch)
WS_mph_S_WVT (PovertyGultch)
Station info: 08:28:06 up 1071 days, 18:38, 0 users, load average: 0.30, 0.22, 0.14


Wind Speed (mph)
April 2023 - July 2023
60
50
40
30
20
10
0
4/20/2023
4/30/2023
5/10/2023
5/20/2023
5/30/2023
6/9/2023
6/19/2023
6/29/2023
7/9/2023
7/19/2023

Poverty Gulch Noise (dB)
April 2023 - July 2023



Attachment F
Noise Monitoring Calibration February 2023

Engineering Dynamics Calibration
10940 S. Parker Road, Ste.851
Parker, Co. 80134
720-787-7979
engdyncal@gmail.com

Certificate of Compliance and Calibration

Calibrated for:

Mr. Brian Doering
CC&V Gold Mining
100 North 3rd Street
Victor, CO 80860

Client# C-113
EDC Job#CR6340-7
Client ID# 524

Calibration Conclusion	
As Received:In Tolerance	☒
As Received:Out of Tolerance	☐
As Left: In Tolerance	☒
As Left: Out of Tolerance	☐

Manufacturer: Quest Technologies
Model Number: 2100-R Sound Level Meter, Type 2
Serial No.: RAI020005
Microphone: QE7052 SN: No24813
Calibration Date: 17-Feb-2023
Calibration Due Date: 17-Feb-2024
Calibrated By: John R. Johnson

IN-HOUSE NIST TRACEABLE CERTIFICATION

As-Received Pre-Calibration Values: IN-TOLERANCE	ANSI S1.4 Lower Tolerance	Actual Value	ANSI S1.4 Upper Tolerance	Compliance
Sound Pressure Level, 114.0dB/1000Hz	93.0	**94.2**	95.0	YES

As-Received Post-Calibration Values: IN-TOLERANCE	ANSI S1.4 Lower Tolerance	Actual Value	ANSI S1.4 Upper Tolerance	Compliance
Sound Pressure Level, 114.0dB/1000Hz	93.0	**94.0**	95.0	YES

Acoustical Parameter Check	ANSI S1.4 Lower Tolerance	Actual Value	ANSI S1.4 Upper Tolerance	Compliance
Fast Response dB	107.0	**108.4**	110.0	YES
Slow Response dB	103.9	**105.6**	107.9	YES
Crest Factor dB	109.0	**109.9**	111.0	YES

Linearity Check	dB Input Level at 1000 Hz							
	130.0 dB	120.0 dB	110.0 dB	100.0 dB	90.0 dB	80.0 dB	70.0 dB	60.0 dB
Linearity Tolerance ±0.5 dB	130.1	120.1	110.0	100.0	90.0	80.0	70.0	60.1
Compliance	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Range Check	100.0dB Input Level at 1000Hz		
	70-140 dB	50-120 dB	30-100 dB
Range Tolerance ±0.6 dB	**100.0**	**100.0**	**100.1**
Compliance	Yes	Yes	Yes

Manufacturer:	Quest Technologies
Model Number:	2100-R Sound Level Meter, Type 2
Serial No.:	RAI020005
Microphone:	QE7052 SN: No24813
Calibration Date:	17-Feb-2023
Calibration Due Date:	17-Feb-2024
Calibrated By:	John R. Johnson

Broadband Noise Floor Check	**Test Result (dB)**	Upper Limit (dB)	Compliance
A-weight Noise Floor	Ur Under Range	29.0dB	YES
C-weight Noise Floor	Ur Under Range	32.0dB	YES

A-weighted Frequency Response with 100.0dB Input						
Frequency (Hz)	Min. dB	Response Level dB	Max. dB	Relative Response Level dB	Tolerance Limit dB	Compliance
31.5	57.6	**60.8**	74.3	84.1	± 3	Yes
63	71.8	**74.0**	75.8	-26.2	± 2	Yes
125	82.4	**83.9**	85.4	-16.1	± 1.5	Yes
250	89.9	**91.4**	92.9	-8.6	± 1.5	Yes
500	95.3	**96.8**	98.3	-3.2	± 1.5	Yes
1K REF.	98.5	**100.0**	101.4	0	± 1.5	Yes
2K	99.2	**101.3**	103.2	1.2	± 2	Yes
4K	98.0	**101.6**	104.0	1	± 3	Yes
8K	93.9	**95.8**	103.9	-1.1	± 5	Yes
16K	---	**87.1**	98.4	-6.6	+5/-∞	Yes

C-weighted Frequency Response with 100.0dB Input						
Frequency (Hz)	Min. dB	Response Level dB	Max. dB	Relative Response Level dB	Tolerance Limit dB	Compliance
31.5	94.0	**97.1**	99.8	100.2	± 3	Yes
63	97.2	**99.3**	101.2	-0.8	± 2	Yes
125	98.3	**100.0**	101.3	-0.2	± 1.5	Yes
250	98.5	**100.1**	101.5	0	± 1.5	Yes
500	98.5	**100.0**	101.5	0	± 1.5	Yes
1K REF.	98.5	**100.0**	101.5	0	± 1.5	Yes
2K	97.8	**99.9**	101.8	-0.2	± 2	Yes
4K	96.2	**99.8**	102.2	-0.8	± 3	Yes
8K	92.0	**94.0**	102.0	-3	± 5	Yes
16K	---	**85.2**	96.5	-8.5	+5/-∞	Yes

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Manufacturer:	Quest Technologies
Model Number:	2100-R Sound Level Meter, Type 2
Serial No.:	RAI020005
Microphone:	QE7052 SN: No24813
Calibration Date:	17-Feb-2023
Calibration Due Date:	17-Feb-2024
Calibrated By:	John R. Johnson

Electrical Linearity Check	dB Input Level at 1000Hz				
	80.0 dB	70.0 dB	60.0 dB	50.0 dB	40.0 dB
Linearity Tolerance ±0.6 dB	**80.0**	**70.0**	**60.0**	**50.0**	**40.2**
Compliance	Yes	Yes	Yes	Yes	Yes

Modes of Operation	MAX +/- 0.5dB	Reset
@ 110.0dB/1KHz for 10 Sec.	**110.0**	**OK**
Compliance	Yes	Yes

Laboratory Conditions during Calibration

Atmospheric Pressure	**818.5 hPa**
Laboratory Air Temperature	**22.2 Deg. C**
Laboratory Air Humidity	**41.3 %**

Standards Used and Their Due Dates:

Measuring Amp	**B&K 2636**	**SN: 1601476**	**Trace# CAS-608883-NOW1D2-801**	**Due Date: 11/30/2024**
Piston Phone	**B&K 4228**	**SN: 1747024**	**Trace# CAS-608883-NOW1D2-701**	**Due Date: 11/21/2024**
Calibrator	**B&K4231**	**SN: 2122969**	**Trace# CAS-608883-NOW1D2-702**	**Due Date: 11/21/2024**
Multimeter	**34401A**	**SN: US36054035**	**Trace# TEK-16190645**	**Due Date: 01/24/2024**

Engineering Dynamics Calibration, LLC does hereby certify that the above referenced SOUND LEVEL METER meets the requirements of the American National Standards Institute and is traceable to NIST.

Certification for this instrument is valid for *one year* from the calibration date of this certificate.

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Engineering Dynamics Calibration
10940 S. Parker Road, Ste.851
Parker, Co. 80134
720-787-7979
engdyncal@gmail.com

Certificate of Compliance and Calibration

Calibrated for:

Mr. Brian Doering
CC&V Gold Mining
100 North 3rd Street
Victor, CO 80860

Client# C-113
EDC Job#CR6340-6
Client ID# 524

Calibration Conclusion	
As Received:In Tolerance	☒
As Received:Out of Tolerance	☐
As Left: In Tolerance	☒
As Left: Out of Tolerance	☐

Manufacturer: Convergence Instruments
Model Number: Noise Sentry RTW_mk2 Type-1 Sound Level Meter
Serial No.: CHtejnWaWdc%oLvgwwLxlD
Calibration Date: 17-Feb-2023
Calibration Due Date: 17-Feb-2024
Calibrated By: John R. Johnson

IN-HOUSE NIST TRACEABLE CERTIFICATION

As-Received Pre-Calibration Values: IN-TOLERANCE	ANSI S1.4 Lower Tolerance	Actual Value	ANSI S1.4 Upper Tolerance	Compliance
Sound Pressure Level, dB at 1000 Hz	93.3	**94.1**	94.7	YES

As-Received Pre-Calibration Values: IN-TOLERANCE	ANSI S1.4 Lower Tolerance	Actual Value	ANSI S1.4 Upper Tolerance	Compliance
Sound Pressure Level, dB at 1000 Hz	93.3	**94.0**	94.7	YES

	ANSI S1.4		ANSI S1.4	
Acoustical Parameter Check	Lower Tolerance	Actual Value	Upper Tolerance	Compliance
Fast Response dB	108.0	**108.9**	110.0	YES
Slow Rasponse dB	104.9	**105.9**	106.9	YES
Crest Factor dB	109.5	**109.9**	110.5	YES

Linearity Check	dB Input Level at 1000 Hz					
	110.0 dB	100.0 dB	90.0 dB	80.0 dB	70.0 dB	60.0 dB
Linearity Tolerance ±0.4 dB	110.0	100.0	90.0	80.0	70.0	60.0
Compliance	Yes	Yes	Yes	Yes	Yes	Yes

Manufacturer: Convergence Instruments
Model Number: Noise Sentry RTW_mk2 Type-1 Sound Level Meter
Serial No.: CHtejnWaWdc%oLvgwwLxlD
Calibration Date: 17-Feb-2023
Calibration Due Date: 17-Feb-2024
Calibrated By: John R. Johnson

A-weighted Frequency Response with 100 dB Input						
Frequency (Hz)	Min. dB	Response Level dB	Max. dB	Relative Response Level dB	Tolerance Limit dB	Compliance
31.5	59.1	**61.5**	62.1	-39.4	± 1.5	Yes
63	72.8	**74.7**	74.8	-26.2	± 1.0	Yes
125	82.9	**84.7**	84.9	-16.1	± 1.0	Yes
250	90.4	**91.9**	92.4	-8.6	± 1.0	Yes
500	95.8	**97.3**	97.8	-3.2	± 1.0	Yes
1K REF.	99.0	**100.0**	101.0	0	± 1.0	Yes
2K	100.2	**101.3**	102.2	1.2	± 1.0	Yes
4K	100.0	**101.2**	102.0	1	± 1.0	Yes
8K	95.9	**100.1**	100.4	-1.1	± 1.5/-3	Yes
16K	0	**79.0**	96.4	-6.6	+3/-∞	Yes

C-weighted Frequency Response with 100 dB Input						
Frequency (Hz)	Min. dB	Response Level dB	Max. dB	Relative Response Level dB	Tolerance Limit dB	Compliance
31.5	95.5	**98.3**	98.5	-3.0	± 1.5	Yes
63	98.2	**100.0**	100.2	-0.8	± 1.0	Yes
125	98.8	**100.5**	100.8	-0.2	± 1.0	Yes
250	99.0	**100.6**	101.0	0.0	± 1.0	Yes
500	99.0	**100.6**	101.0	0.0	± 1.0	Yes
1K REF.	99.0	**100.0**	101.0	0.0	± 1.0	Yes
2K	98.8	**100.0**	100.8	-0.2	± 1.0	Yes
4K	98.2	**99.4**	100.2	-0.8	± 1.0	Yes
8K	94.0	**98.2**	98.5	-3.0	± 1.5/-3	Yes
16K	0	**77.2**	94.5	-8.5	+3/-∞	Yes

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Manufacturer: Convergence Instruments
Model Number: Noise Sentry RTW_mk2 Type-1 Sound Level Meter
Serial No.: CHtejnWaWdc%oLvgwwLxlD
Calibration Date: 17-Feb-2023
Calibration Due Date: 17-Feb-2024
Calibrated By: John R. Johnson

Z-weighted Frequency Response with 100 dB Input						
Frequency (Hz)	Min. dB	Response Level dB	Max. dB	Relative Response Level dB	Tolerance Limit dB	Compliance
31.5	98.5	**101.3**	101.5	0.0	± 1.5	Yes
63	99.0	**100.8**	101.0	0.0	± 1.0	Yes
125	99.0	**100.8**	101.0	0.0	± 1.0	Yes
250	99.0	**100.7**	101.0	0.0	± 1.0	Yes
500	99.0	**100.6**	101.0	0.0	± 1.0	Yes
1K REF.	99.0	**100.1**	101.0	0.0	± 1.0	Yes
2K	99.0	**100.2**	101.0	0.0	± 1.0	Yes
4K	99.0	**100.1**	101.0	0.0	± 1.0	Yes
8K	97.0	**101.3**	101.5	0.0	± 1.5/-3	Yes
16K	0.0	**85.1**	103.0	0.0	+3/-∞	Yes

Laboratory Conditions during Calibration

Atmospheric Pressure	**818.5 hPa**
Laboratory Air Temperature	**21.1 Deg. C**
Laboratory Air Humidity	**42.3 %**

Standards Used and Their Due Dates:

Measuring Amp	**B&K 2636**	**SN: 1601476**	**Trace# CAS-608883-NOW1D2-801**	**Due Date: 11/30/2024**
Piston Phone	**B&K 4228**	**SN: 1747024**	**Trace# CAS-608883-NOW1D2-701**	**Due Date: 11/21/2024**
Calibrator	**B&K4231**	**SN: 2122969**	**Trace# CAS-608883-NOW1D2-702**	**Due Date: 11/21/2024**
Multimeter	**34401A**	**SN: US36054035**	**Trace# TEK-16190645**	**Due Date: 01/24/2024**

Engineering Dynamics Calibration, LLC does hereby certify that the above referenced SOUND LEVEL METER meets the requirements of the American National Standards Institute and is traceable to NIST.

Certification for this instrument is valid for *one year* from the calibration date of this certificate.

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Engineering Dynamics Calibration
10940 S. Parker Road, Ste.851
Parker, Co. 80134
720-787-7979
engdyncal@gmail.com

Certificate of Compliance and Calibration

Calibrated for:

Mr. Brian Doering
CC&V Gold Mining
100 North 3rd Street
Victor, CO 80860

Client# C-113
EDC Job#CR6340-5
Client ID# 524

Calibration Conclusion	
As Received:In Tolerance	☒
As Received:Out of Tolerance	☐
As Left: In Tolerance	☒
As Left: Out of Tolerance	☐

Manufacturer: Quest Technologies
Model Number: 2100 Sound Level Meter, Type 2
Serial No.: DAD090035
Microphone: QE7052 SN: No21866
Calibration Date: 16-Feb-2023
Calibration Due Date: 16-Feb-2024
Calibrated By: John R. Johnson

IN-HOUSE NIST TRACEABLE CERTIFICATION

As-Received Pre-Calibration Values: IN-TOLERANCE	ANSI S1.4 Lower Tolerance	Actual Value	ANSI S1.4 Upper Tolerance	Compliance
Sound Pressure Level, 114.0dB/1000Hz	113.0	**113.5**	115.0	YES

As-Received Post-Calibration Values: IN-TOLERANCE	ANSI S1.4 Lower Tolerance	Actual Value	ANSI S1.4 Upper Tolerance	Compliance
Sound Pressure Level, 114.0dB/1000Hz	113.0	**114.0**	115.0	YES

Acoustical Parameter Check (110.0dB)	ANSI S1.4 Lower Tolerance	Actual Value	ANSI S1.4 Upper Tolerance	Compliance
Fast Response dB	107.0	**108.8**	110.0	YES
Slow Rasponse dB	103.9	**105.7**	107.9	YES
Crest Factor dB	109.0	**110.0**	111.0	YES

Linearity Check	dB Input Level at 1000 Hz							
	130.0 dB	120.0 dB	110.0 dB	100.0 dB	90.0 dB	80.0 dB	70.0 dB	60.0 dB
Linearity Tolerance ±0.5 dB	130.3	120.2	110.0	100.0	90.0	80.0	70.1	60.1
Compliance	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Range Check	100.0dB Input Level at 1000Hz		
	70-140 dB	50-120 dB	30-100 dB
Range Tolerance ±0.6 dB	**100.1**	**100.0**	**100.0**
Compliance	Yes	Yes	Yes

Manufacturer:	Quest Technologies
Model Number:	2100 Sound Level Meter, Type 2
Serial No.:	DAD090035
Microphone:	QE7052 SN: No21866
Calibration Date:	16-Feb-2023
Calibration Due Date:	16-Feb-2024
Calibrated By:	John R. Johnson

Broadband Noise Floor Check	**Test Result (dB)**	Upper Limit (dB)	Compliance
A-weight Noise Floor	**(Ur) Under Range**	25.0dB	YES
C-weight Noise Floor	**(Ur) Under Range**	35.0dB	YES

A-weighted Frequency Response with 100.0dB Input						
Frequency (Hz)	Min. dB	Response Level dB	Max. dB	Relative Response Level dB	Tolerance Limit dB	Compliance
31.5	57.6	**61.4**	74.3	84.1	± 3	Yes
63	71.8	**74.0**	75.8	-26.2	± 2	Yes
125	82.4	**83.8**	85.4	-16.1	± 1.5	Yes
250	89.9	**91.1**	92.9	-8.6	± 1.5	Yes
500	95.3	**96.7**	98.3	-3.2	± 1.5	Yes
1K REF.	98.5	**100.0**	101.4	0	± 1.5	Yes
2K	99.2	**101.2**	103.2	1.2	± 2	Yes
4K	98.0	**101.5**	104.0	1	± 3	Yes
8K	93.9	**95.8**	103.9	-1.1	± 5	Yes
16K	---	**87.9**	98.4	-6.6	+5/-∞	Yes

C-weighted Frequency Response with 100.0dB Input						
Frequency (Hz)	Min. dB	Response Level dB	Max. dB	Relative Response Level dB	Tolerance Limit dB	Compliance
31.5	94.0	**97.5**	99.8	100.2	± 3	Yes
63	97.2	**99.5**	101.2	-0.8	± 2	Yes
125	98.3	**100.1**	101.3	-0.2	± 1.5	Yes
250	98.5	**100.1**	101.5	0	± 1.5	Yes
500	98.5	**100.1**	101.5	0	± 1.5	Yes
1K REF.	98.5	**99.9**	101.5	0	± 1.5	Yes
2K	97.8	**99.9**	101.8	-0.2	± 2	Yes
4K	96.2	**99.7**	102.2	-0.8	± 3	Yes
8K	92.0	**93.9**	102.0	-3	± 5	Yes
16K	---	**87.9**	96.5	-8.5	+5/-∞	Yes

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Manufacturer:	Quest Technologies
Model Number:	2100 Sound Level Meter, Type 2
Serial No.:	DAD090035
Microphone:	QE7052 SN: No21866
Calibration Date:	16-Feb-2023
Calibration Due Date:	16-Feb-2024
Calibrated By:	John R. Johnson

Electrical Linearity Check	dB Input Level at 1000Hz				
	80.0 dB	70.0 dB	60.0 dB	50.0 dB	40.0 dB
Linearity Tolerance ±0.6 dB	**80.0**	**70.0**	**60.1**	**50.2**	**40.3**
Compliance	Yes	Yes	Yes	Yes	Yes

Modes of Operation	MAX +/- 0.5dB	Reset
@ 110.0dB/1KHz for 10 Sec.	**110.0**	**OK**
Compliance	Yes	Yes

Laboratory Conditions during Calibration

Atmospheric Pressure	**817.0 hPa**
Laboratory Air Temperature	**21.0 Deg. C**
Laboratory Air Humidity	**39.3 %**

Standards Used and Their Due Dates:

Measuring Amp	**B&K 2636**	**SN: 1601476**	**Trace# CAS-608883-NOW1D2-801**	**Due Date: 11/30/2024**
Piston Phone	**B&K 4228**	**SN: 1747024**	**Trace# CAS-608883-NOW1D2-701**	**Due Date: 11/21/2024**
Calibrator	**B&K4231**	**SN: 2122969**	**Trace# CAS-608883-NOW1D2-702**	**Due Date: 11/21/2024**
Multimeter	**34401A**	**SN: US36054035**	**Trace# TEK-16190645**	**Due Date: 01/24/2024**

Engineering Dynamics Calibration, LLC does hereby certify that the above referenced SOUND LEVEL METER meets the requirements of the American National Standards Institute and is traceable to NIST.

Certification for this instrument is valid for *one year* from the calibration date of this certificate.

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Engineering Dynamics Calibration
10940 S. Parker Road, Ste.851
Parker, Co. 80134
720-787-7979
engdyncal@gmail.com

Certificate of Compliance and Calibration

Calibrated for:

Mr. Brian Doering
CC&V Gold Mining
100 North 3rd Street
Victor, CO 80860

Client# C-113
EDC Job#CR6340-4
Client ID# 524

Calibration Conclusion	
As Received:In Tolerance	☒
As Received:Out of Tolerance	☐
As Left: In Tolerance	☒
As Left: Out of Tolerance	☐

Manufacturer: Quest Technologies
Model Number: QC-10 Class-1 Acoustic Calibrator
Serial No.: QID090112
Calibration Date: 17-Feb-2023
Calibration Due Date: 17-Feb-2024
Calibrated By: John R. Johnson

IN-HOUSE NIST TRACEABLE CERTIFICATION

As-Received Pre-Calibration Values: IN-TOLERANCE

	ANSI S1.40 Lower Tolerance	Actual Value	ANSI S1.40 Upper Tolerance	Compliance
Sound pressure Level, dB	113.45	**114.1**	114.55	YES
Acoustic frequency, Hz	980	**1009.6**	1020	YES
1 VAC Output Voltage	NA	**1.003**	NA	NA
1 VAC Output Frequency Hz	NA	**1009.6**	NA	NA

Post-Calibration Values: IN-TOLERANCE

	ANSI S1.40 Lower Tolerance	Actual Value	ANSI S1.40 Upper Tolerance	Compliance
Sound pressure Level, dB	113.45	**114.0**	114.55	YES
Acoustic frequency, Hz	980	**1009.6**	1020	YES
1 VAC Output Voltage	NA	**1.003**	NA	NA
1 VAC Output Frequency Hz	NA	**1009.6**	NA	NA

Laboratory Conditions during Calibration

Atmospheric Pressure	**818.0 hPa**
Laboratory Air Temperature	**21.3 Deg. C**
Laboratory Air Humidity	**42.0 %**

Standards Used and Their Due Dates:

Measuring Amp	**B&K 2636**	**SN: 1601476**	**Trace# CAS-608883-NOW1D2-801**	**Due Date: 11/30/2024**
Piston Phone	**B&K 4228**	**SN: 1747024**	**Trace# CAS-608883-NOW1D2-701**	**Due Date: 11/21/2024**
Calibrator	**B&K4231**	**SN: 2122969**	**Trace# CAS-608883-NOW1D2-702**	**Due Date: 11/21/2024**
Multimeter	**34401A**	**SN: US36054035**	**Trace# TEK-16190645**	**Due Date: 01/24/2024**

Engineering Dynamics Calibration, LLC does hereby certify that the above referenced CALIBRATOR meets the requirements of the American National Standards Institute and is traceable to NIST.

Certification for this instrument is valid for *one year* from the calibration date of this certificate.

Engineering Dynamics Calibration
10940 S. Parker Road, Ste.851
Parker, Co. 80134
720-787-7979
engdyncal@gmail.com

Certificate of Compliance and Calibration

Calibrated for:

Mr. Brian Doering
CC&V Gold Mining
100 North 3rd Street
Victor, CO 80860

Client# C-113
EDC Job#CR6340-1
Client ID# 524

Calibration Conclusion	
As Received:In Tolerance	☐
As Received:Out of Tolerance	☒
As Left: In Tolerance	☒
As Left: Out of Tolerance	☐

Manufacturer: Quest Technologies
Model Number: 2900 Sound Level Meter, Type-2
Serial No.: CDE020009
Microphone: QE7052 SN: No32389
Calibration Date: 17-Feb-2023
Calibration Due Date: 17-Feb-2024
Calibrated By: John R. Johnson

IN-HOUSE NIST TRACEABLE CERTIFICATION

As-Received Pre-Calibration Values: IN-TOLERANCE	ANSI S1.4 Lower Tolerance	Actual Value	ANSI S1.4 Upper Tolerance	Compliance
Sound Pressure Level,114.0dB@1KHz	113.0	**115.4**	115.0	**NO**

Post-Calibration Values:	ANSI S1.4 Lower Tolerance	Actual Value	ANSI S1.4 Upper Tolerance	Compliance
Sound Pressure Level,114.0dB@1KHz	113.0	**114.0**	115.0	YES

Acoustical Parameter Check (110.0dB)	ANSI S1.4 Lower Tolerance	Actual Value	ANSI S1.4 Upper Tolerance	Compliance
Fast Response dB	107.0	**108.8**	110.0	YES
Slow Rasponse dB	103.9	**105.7**	107.9	YES
Crest Factor dB	109.0	**110.0**	111.0	YES
Peak Response (110 dB Input)	112.0	**113.0**	114.0	YES
Impulse Response (110 dB input)	109.5	**109.9**	110.5	YES

Linearity Check	dB Input Level at 1000 Hz							
	130.0 dB	120.0 dB	110.0 dB	100.0 dB	90.0 dB	80.0 dB	70.0 dB	60.0 dB
Linearity Tolerance ±0.5 dB	**130.3**	**120.2**	**110.0**	**99.9**	**89.9**	**79.9**	**70.0**	**60.0**
Compliance	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Range Check	100.0dB Input Level at 1000Hz				
	80-140 dB	70-130 dB	60-120 dB	50-110 dB	40-100 dB
Range Tolerance ±0.6 dB	**100.1**	**100.0**	**100.0**	**100.0**	**100.2**
Compliance	Yes	Yes	Yes	Yes	Yes

Manufacturer: Quest Technologies
Model Number: 2900 Sound Level Meter, Type-2
Serial No.: CDE020009
Microphone: QE7052 SN: No32389
Calibration Date: 17-Feb-2023
Calibration Due Date: 17-Feb-2024
Calibrated By: John R. Johnson

Range Check	70.0dB Input Level at 1000Hz	
	30 to 90dB	80 to 20 dB
Range Tolerance ±0.6 dB	**69.9**	**70.0**
Compliance	Yes	Yes

Electrical Linearity Check	dB Input Level at 1000Hz				
	70.0 dB	60.0 dB	50.0 dB	40.0 dB	30.0 dB
Linearity Tolerance ±0.6 dB	**70.0**	**60.0**	**50.1**	**40.2**	**30.3**
Compliance	Yes	Yes	Yes	Yes	Yes

Broadband Noise Floor Check	Test Result (dB)	Upper Limit (dB)	Compliance
A-weight Noise Floor	**19.6**	24.0 dB	Yes
C-weight Noise Floor	**20.1**	33.0 dB	Yes
Lin-weight Noise Floor	**29.7**	42.0 dB	Yes

A-weighted Frequency Response with 100.0dB Input						
Frequency (Hz)	Min. dB	Response Level dB	Max. dB	Relative Response Level dB	Tolerance Limit dB	Compliance
16	38.3	**44.9**	48.3	-56.7	+5/-∞	Yes
31.5	57.6	**60.7**	61.5	-39.4	± 3	Yes
63	71.8	**73.8**	75.8	-26.2	± 2	Yes
125	82.4	**83.8**	85.4	-16.1	± 1.5	Yes
250	89.9	**91.3**	92.9	-8.6	± 1.5	Yes
500	95.3	**96.7**	98.3	-3.2	± 1.5	Yes
1K REF.	98.5	**100.0**	101.5	0	± 1.5	Yes
2K	99.2	**101.1**	103.2	1.2	± 2	Yes
4K	98.0	**100.6**	104.0	1	± 3	Yes
8K	93.9	**94.7**	103.9	-1.1	± 5	Yes
16K	---	**86.7**	98.4	-6.6	+5/-∞	Yes

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Manufacturer: Quest Technologies
Model Number: 2900 Sound Level Meter, Type-2
Serial No.: CDE020009
Microphone: QE7052 SN: No32389
Calibration Date: 17-Feb-2023
Calibration Due Date: 17-Feb-2024
Calibrated By: John R. Johnson

C-weighted Frequency Response with 100 dB Input						
Frequency (Hz)	Min. dB	Response Level dB	Max. dB	Relative Response Level dB	Tolerance Limit dB	Compliance
16	---	92.4	96.5	-8.5	+5/-∞	Yes
31.5	94.0	97.5	100.0	-3.0	± 3	Yes
63	97.2	99.6	101.2	-0.8	± 2	Yes
125	98.3	100.2	101.3	-0.2	± 1.5	Yes
250	98.5	100.2	101.5	0.0	± 1.5	Yes
500	98.5	100.2	101.5	0.0	± 1.5	Yes
1K REF.	98.5	100.1	101.5	0.0	± 1.5	Yes
2K	97.8	99.7	101.8	-0.2	± 2	Yes
4K	96.2	98.7	102.2	-0.8	± 3	Yes
8K	92.0	92.7	102.0	-3.0	± 5	Yes
16K	---	84.7	96.5	-8.5	+5/-∞	Yes

Lin-weighted Frequency Response with 100.0dB Input						
Frequency (Hz)	Min. dB	Response Level dB	Max. dB	Relative Response Level dB	Tolerance Limit dB	Compliance
16	---	100.9	105.0	0.0	+5/-∞	Yes
31.5	97.0	100.7	103.0	0.0	± 3	Yes
63	98.0	100.6	102.0	0.0	± 2	Yes
125	98.5	100.4	101.5	0.0	± 1.5	Yes
250	98.5	100.3	101.5	0.0	± 1.5	Yes
500	98.5	100.2	101.5	0.0	± 1.5	Yes
1K REF.	98.5	100.2	101.5	0.0	± 1.5	Yes
2K	98.0	99.9	102.0	0.0	± 2	Yes
4K	97.0	99.6	103.0	0.0	± 3	Yes
8K	95.0	95.8	105.0	0.0	± 5	Yes
16K	---	93.2	105.0	0.0	+5/-∞	Yes

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Manufacturer:	Quest Technologies
Model Number:	2900 Sound Level Meter, Type-2
Serial No.:	CDE020009
Microphone:	QE7052 SN: No32389
Calibration Date:	17-Feb-2023
Calibration Due Date:	17-Feb-2024
Calibrated By:	John R. Johnson

Laboratory Conditions during Calibration

Atmospheric Pressure	**817.8 hPa**
Laboratory Air Temperature	**20.4 Deg. C**
Laboratory Air Humidity	**43.8 %**

Standards Used and Their Due Dates:

Measuring Amp	**B&K 2636**	**SN: 1601476**	**Trace# CAS-608883-NOW1D2-801**	**Due Date: 11/30/2024**
Piston Phone	**B&K 4228**	**SN: 1747024**	**Trace# CAS-608883-NOW1D2-701**	**Due Date: 11/21/2024**
Calibrator	**B&K4231**	**SN: 2122969**	**Trace# CAS-608883-NOW1D2-702**	**Due Date: 11/21/2024**
Multimeter	**34401A**	**SN: US36054035**	**Trace# TEK-16190645**	**Due Date: 01/24/2024**

Engineering Dynamics Calibration, LLC does hereby certify that the above referenced SOUND LEVEL METER meets the requirements of the American National Standards Institute and is traceable to NIST.

Certification for this instrument is valid for *one year* from the calibration date of this certificate.

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Engineering Dynamics Calibration
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engdyncal@gmail.com

Certificate of Compliance and Calibration

Calibrated for:

Mr. Brian Doering
CC&V Gold Mining
100 North 3rd Street
Victor, CO 80860

Client# C-113
EDC Job#CR6340-2
Client ID# 524

Calibration Conclusion	
As Received:In Tolerance	☒
As Received:Out of Tolerance	☐
As Left: In Tolerance	☒
As Left: Out of Tolerance	☐

Manufacturer: Quest Technologies
Model Number: QC-10 Class-1 Acoustic Calibrator
Serial No.: QID070138
Calibration Date: 16-Feb-2023
Calibration Due Date: 16-Feb-2024
Calibrated By: John R. Johnson

IN-HOUSE NIST TRACEABLE CERTIFICATION

As-Received Pre-Calibration Values: IN-TOLERANCE

	ANSI S1.40 Lower Tolerance	Actual Value	ANSI S1.40 Upper Tolerance	Compliance
Sound pressure Level, dB	113.45	**114.1**	114.55	YES
Acoustic frequency, Hz	980	**1016.9**	1020	YES
1 VAC Output Voltage	NA	**1.004**	NA	NA
1 VAC Output Frequency Hz	NA	**1016.9**	NA	NA

Post-Calibration Values: IN-TOLERANCE

	ANSI S1.40 Lower Tolerance	Actual Value	ANSI S1.40 Upper Tolerance	Compliance
Sound pressure Level, dB	113.45	**114.0**	114.55	YES
Acoustic frequency, Hz	980	**1016.9**	1020	YES
1 VAC Output Voltage	NA	**1.004**	NA	NA
1 VAC Output Frequency Hz	NA	**1016.9**	NA	NA

Laboratory Conditions during Calibration

Atmospheric Pressure **817.2 hPa**
Laboratory Air Temperature **20.9 Deg. C**
Laboratory Air Humidity **39.3 %**

Standards Used and Their Due Dates:

Measuring Amp	**B&K 2636**	**SN: 1601476**	**Trace# CAS-608883-NOW1D2-801**	**Due Date: 11/30/2024**
Piston Phone	**B&K 4228**	**SN: 1747024**	**Trace# CAS-608883-NOW1D2-701**	**Due Date: 11/21/2024**
Calibrator	**B&K4231**	**SN: 2122969**	**Trace# CAS-608883-NOW1D2-702**	**Due Date: 11/21/2024**
Multimeter	**34401A**	**SN: US36054035**	**Trace# TEK-16190645**	**Due Date: 01/24/2024**

Engineering Dynamics Calibration, LLC does hereby certify that the above referenced CALIBRATOR meets the requirements of the American National Standards Institute and is traceable to NIST.

Certification for this instrument is valid for *one year* from the calibration date of this certificate.

Engineering Dynamics Calibration
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Parker, Co. 80134
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Certificate of Compliance and Calibration

Calibrated for:

Mr. Brian Doering
CC&V Gold Mining
100 North 3rd Street
Victor, CO 80860

Client# C-113
EDC Job#CR6340-1
Client ID# 524

Calibration Conclusion	
As Received:In Tolerance	☐
As Received:Out of Tolerance	☒
As Left: In Tolerance	☒
As Left: Out of Tolerance	☐

Manufacturer: Quest Technologies
Model Number: 2900 Sound Level Meter, Type-2
Serial No.: CDF100008
Microphone: QE7052 SN: No39146
Calibration Date: 16-Feb-2023
Calibration Due Date: 16-Feb-2024
Calibrated By: John R. Johnson

IN-HOUSE NIST TRACEABLE CERTIFICATION

As-Received Pre-Calibration Values: IN-TOLERANCE	ANSI S1.4 Lower Tolerance	Actual Value	ANSI S1.4 Upper Tolerance	Compliance
Sound Pressure Level,114.0dB@1KHz	113.0	112.9	115.0	NO

Post-Calibration Values:	ANSI S1.4 Lower Tolerance	Actual Value	ANSI S1.4 Upper Tolerance	Compliance
Sound Pressure Level,114.0dB@1KHz	113.0	114.0	115.0	YES

Acoustical Parameter Check (110.0dB)	ANSI S1.4 Lower Tolerance	Actual Value	ANSI S1.4 Upper Tolerance	Compliance
Fast Response dB	107.0	108.9	110.0	YES
Slow Rasponse dB	103.9	105.6	107.9	YES
Crest Factor dB	109.0	109.9	111.0	YES
Peak Response (110 dB Input)	112.0	113.2	114.0	YES
Impulse Response (110 dB input)	109.5	109.9	110.5	YES

Linearity Check	dB Input Level at 1000 Hz							
	130.0 dB	120.0 dB	110.0 dB	100.0 dB	90.0 dB	80.0 dB	70.0 dB	60.0 dB
Linearity Tolerance ±0.5 dB	130.0	120.0	110.0	100.0	90.0	80.1	70.0	60.1
Compliance	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Range Check	100.0dB Input Level at 1000Hz				
	80-140 dB	70-130 dB	60-120 dB	50-110 dB	40-100 dB
Range Tolerance ±0.6 dB	100.1	100.0	100.0	100.1	100.3
Compliance	Yes	Yes	Yes	Yes	Yes

Manufacturer: Quest Technologies
Model Number: 2900 Sound Level Meter, Type-2
Serial No.: CDF100008
Microphone: QE7052 SN: No39146
Calibration Date: 16-Feb-2023
Calibration Due Date: 16-Feb-2024
Calibrated By: John R. Johnson

Range Check	70.0dB Input Level at 1000Hz	
	30 to 90dB	80 to 20 dB
Range Tolerance ±0.6 dB	**70.0**	**70.1**
Compliance	Yes	Yes

Electrical Linearity Check	dB Input Level at 1000Hz				
	70.0 dB	60.0 dB	50.0 dB	40.0 dB	30.0 dB
Linearity Tolerance ±0.6 dB	**70.0**	**60.0**	**50.1**	**40.2**	**30.3**
Compliance	Yes	Yes	Yes	Yes	Yes

Broadband Noise Floor Check	Test Result (dB)	Upper Limit (dB)	Compliance
A-weight Noise Floor	**20.9**	24.0 dB	Yes
C-weight Noise Floor	**23.4**	33.0 dB	Yes
Lin-weight Noise Floor	**32.9**	42.0 dB	Yes

A-weighted Frequency Response with 100.0dB Input						
Frequency (Hz)	Min. dB	Response Level dB	Max. dB	Relative Response Level dB	Tolerance Limit dB	Compliance
16	38.3	**45.1**	48.3	-56.7	+5/-∞	Yes
31.5	57.6	**60.9**	61.5	-39.4	± 3	Yes
63	71.8	**74.0**	75.8	-26.2	± 2	Yes
125	82.4	**83.8**	85.4	-16.1	± 1.5	Yes
250	89.9	**91.3**	92.9	-8.6	± 1.5	Yes
500	95.3	**96.7**	98.3	-3.2	± 1.5	Yes
1K REF.	98.5	**100.0**	101.5	0	± 1.5	Yes
2K	99.2	**101.2**	103.2	1.2	± 2	Yes
4K	98.0	**101.4**	104.0	1	± 3	Yes
8K	93.9	**95.7**	103.9	-1.1	± 5	Yes
16K	---	**88.7**	98.4	-6.6	+5/-∞	Yes

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Manufacturer: Quest Technologies
Model Number: 2900 Sound Level Meter, Type-2
Serial No.: CDF100008
Microphone: QE7052 SN: No39146
Calibration Date: 16-Feb-2023
Calibration Due Date: 16-Feb-2024
Calibrated By: John R. Johnson

C-weighted Frequency Response with 100 dB Input						
Frequency (Hz)	Min. dB	Response Level dB	Max. dB	Relative Response Level dB	Tolerance Limit dB	Compliance
16	---	92.3	96.5	-8.5	+5/-∞	Yes
31.5	94.0	97.4	100.0	-3.0	± 3	Yes
63	97.2	99.3	101.2	-0.8	± 2	Yes
125	98.3	99.8	101.3	-0.2	± 1.5	Yes
250	98.5	100.0	101.5	0.0	± 1.5	Yes
500	98.5	100.1	101.5	0.0	± 1.5	Yes
1K REF.	98.5	100.0	101.5	0.0	± 1.5	Yes
2K	97.8	99.8	101.8	-0.2	± 2	Yes
4K	96.2	99.5	102.2	-0.8	± 3	Yes
8K	92.0	93.8	102.0	-3.0	± 5	Yes
16K	---	86.8	96.5	-8.5	+5/-∞	Yes

Lin-weighted Frequency Response with 100.0dB Input						
Frequency (Hz)	Min. dB	Response Level dB	Max. dB	Relative Response Level dB	Tolerance Limit dB	Compliance
16	---	100.3	105.0	0.0	+5/-∞	Yes
31.5	97.0	100.2	103.0	0.0	± 3	Yes
63	98.0	100.1	102.0	0.0	± 2	Yes
125	98.5	100.1	101.5	0.0	± 1.5	Yes
250	98.5	100.1	101.5	0.0	± 1.5	Yes
500	98.5	100.1	101.5	0.0	± 1.5	Yes
1K REF.	98.5	100.1	101.5	0.0	± 1.5	Yes
2K	98.0	100.1	102.0	0.0	± 2	Yes
4K	97.0	100.5	103.0	0.0	± 3	Yes
8K	95.0	97.0	105.0	0.0	± 5	Yes
16K	---	95.6	105.0	0.0	+5/-∞	Yes

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Manufacturer:	Quest Technologies
Model Number:	2900 Sound Level Meter, Type-2
Serial No.:	CDF100008
Microphone:	QE7052 SN: No39146
Calibration Date:	16-Feb-2023
Calibration Due Date:	16-Feb-2024
Calibrated By:	John R. Johnson

Laboratory Conditions during Calibration

Atmospheric Pressure	**818.2 hPa**
Laboratory Air Temperature	**20.6 Deg. C**
Laboratory Air Humidity	**42.8 %**

Standards Used and Their Due Dates:

Measuring Amp	**B&K 2636**	**SN: 1601476**	**Trace# CAS-608883-NOW1D2-801**	**Due Date: 11/30/2024**
Piston Phone	**B&K 4228**	**SN: 1747024**	**Trace# CAS-608883-NOW1D2-701**	**Due Date: 11/21/2024**
Calibrator	**B&K4231**	**SN: 2122969**	**Trace# CAS-608883-NOW1D2-702**	**Due Date: 11/21/2024**
Multimeter	**34401A**	**SN: US36054035**	**Trace# TEK-16190645**	**Due Date: 01/24/2024**

Engineering Dynamics Calibration, LLC does hereby certify that the above referenced SOUND LEVEL METER meets the requirements of the American National Standards Institute and is traceable to NIST.

Certification for this instrument is valid for *one year* from the calibration date of this certificate.

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Attachment G
Dashboard PPV Triggered Events 2023

Event Type	Serial Number	Event Date	Event Time	Location	PPV	PPV ZC Freq	Monitor Log	Event File	Ascii File	CSV File	Event PDFs	A/V File
Waveform	UM19057	2023-09-14	14:38:42	Goldfield City Hall	0.09 in/s	42.7 Hz						N/A
Waveform	UM19055	2023-09-10	16:39:35	Barron	0.0714 in/s	56.9 Hz						N/A
Waveform	UM19055	2023-09-10	16:39:15	Barron	0.2039 in/s	>100 Hz						N/A
Waveform	UM19055	2023-09-10	10:59:40	Barron	0.0531 in/s	85.3 Hz						N/A
Waveform	UM19055	2023-09-07	11:58:46	Barron	0.0546 in/s	36.6 Hz						N/A
Waveform	UM19065	2023-09-07	07:59:35	Sherret	0.0649 in/s	32.0 Hz						N/A
Waveform	UM19065	2023-09-05	07:59:54	Sherret	0.0863 in/s	25.6 Hz						N/A
Waveform	UM19055	2023-08-31	14:59:15	Barron	0.1061 in/s	34.1 Hz						N/A
Waveform	UM19065	2023-08-31	08:12:19	Sherret	0.0546 in/s	32.0 Hz						N/A
Waveform	UM19065	2023-08-31	08:12:03	Sherret	0.0503 in/s	30.1 Hz						N/A
Waveform	UM19065	2023-08-29	08:02:49	Sherret	0.0698 in/s	24.4 Hz						N/A
Waveform	UM19055	2023-08-24	14:59:08	Barron	0.0739 in/s	23.3 Hz						N/A
Waveform	UM19055	2023-08-23	14:59:09	Barron	0.1272 in/s	26.9 Hz						N/A
Waveform	UM19065	2023-08-23	08:01:30	Sherret	0.0605 in/s	25.6 Hz						N/A
Waveform	UM19055	2023-08-17	15:05:00	Barron	0.2306 in/s	32.0 Hz						N/A
Waveform	UM19065	2023-08-17	07:58:57	Sherret	0.0661 in/s	32.0 Hz						N/A
Waveform	UM19065	2023-08-16	07:59:02	Sherret	0.0555 in/s	28.4 Hz						N/A
Waveform	UM19065	2023-08-15	07:58:18	Sherret	0.0785 in/s	24.4 Hz						N/A
Waveform	UM19065	2023-08-09	08:06:35	Sherret	0.0676 in/s	28.4 Hz						N/A
Waveform	UM19065	2023-08-08	07:58:12	Sherret	0.117 in/s	28.4 Hz						N/A
Waveform	UM19055	2023-08-03	00:13:58	Barron	0.1102 in/s	>100 Hz						N/A

Event Type	Serial Number	Event Date	Event Time	Location	PPV	PPV ZC Freq	Monitor Log	Event File	Ascii File	CSV File	Event PDFs	A/V File
Waveform	UM19065	2023-08-01	07:59:03	Sherret	0.0968 in/s	28.4 Hz						N/A
Waveform	UM19055	2023-07-26	11:04:21	Barron	0.0925 in/s	17.7 Hz						N/A
Waveform	UM19055	2023-07-20	14:09:47	Barron	0.0841 in/s	36.6 Hz						N/A
Waveform	UM19065	2023-07-20	07:58:55	Sherret	0.0658 in/s	25.6 Hz						N/A
Waveform	UM19065	2023-07-13	08:26:46	Sherret	0.0639 in/s	22.3 Hz						N/A
Waveform	UM19055	2023-07-10	11:05:08	Barron	0.0708 in/s	21.3 Hz						N/A
Waveform	UM19066	2023-07-08	19:11:24	Poch	0.1049 in/s	>100 Hz						N/A
Waveform	UM19066	2023-07-08	19:10:55	Poch	0.0608 in/s	>100 Hz						N/A
Waveform	UM19066	2023-07-08	19:10:34	Poch	0.112 in/s	>100 Hz						N/A
Waveform	UM19066	2023-07-08	19:09:43	Poch	0.0708 in/s	>100 Hz						N/A
Waveform	UM19055	2023-07-07	17:41:22	Barron	0.0509 in/s	>100 Hz						N/A
Waveform	UM19055	2023-07-07	17:38:45	Barron	0.0711 in/s	>100 Hz						N/A
Waveform	UM19057	2023-07-07	17:38:28	Goldfield City Hall	0.0943 in/s	>100 Hz						N/A
Waveform	UM19057	2023-07-07	17:38:14	Goldfield City Hall	0.05 in/s	64.0 Hz						N/A
Waveform	UM19057	2023-07-07	17:38:03	Goldfield City Hall	0.05 in/s	>100 Hz						N/A
Waveform	UM19057	2023-07-07	17:37:41	Goldfield City Hall	0.1102 in/s	>100 Hz						N/A
Waveform	UM19055	2023-07-07	17:37:24	Barron	0.1282 in/s	>100 Hz						N/A
Waveform	UM19057	2023-07-07	17:37:24	Goldfield City Hall	0.0971 in/s	>100 Hz						N/A
Waveform	UM19055	2023-07-07	17:37:01	Barron	0.0676 in/s	>100 Hz						N/A
Waveform	UM19055	2023-07-07	17:36:52	Barron	0.0729 in/s	>100 Hz						N/A
Waveform	UM19055	2023-07-07	17:36:30	Barron	0.077 in/s	>100 Hz						N/A

Event Type	Serial Number	Event Date	Event Time	Location	PPV	PPV ZC Freq	Monitor Log	Event File	Ascii File	CSV File	Event PDFs	A/V File
Waveform	UM19055	2023-07-07	17:36:13	Barron	0.1064 in/s	>100 Hz						N/A
Waveform	UM19055	2023-07-07	17:35:42	Barron	0.1033 in/s	>100 Hz						N/A
Waveform	UM19066	2023-07-07	17:33:54	Poch	0.0599 in/s	>100 Hz						N/A
Waveform	UM19065	2023-07-07	17:32:11	Sherret	0.1027 in/s	85.3 Hz						N/A
Waveform	UM19065	2023-07-07	17:30:55	Sherret	0.0704 in/s	85.3 Hz						N/A
Waveform	UM19065	2023-07-07	17:30:30	Sherret	0.0686 in/s	>100 Hz						N/A
Waveform	UM19065	2023-07-07	17:28:53	Sherret	0.1486 in/s	73.1 Hz						N/A
Waveform	UM19066	2023-07-07	17:28:44	Poch	0.2392 in/s	>100 Hz						N/A
Waveform	UM19065	2023-07-07	17:28:42	Sherret	0.0704 in/s	85.3 Hz						N/A
Waveform	UM19065	2023-07-07	17:28:23	Sherret	0.0614 in/s	73.1 Hz						N/A
Waveform	UM19066	2023-07-07	17:28:10	Poch	0.1604 in/s	>100 Hz						N/A
Waveform	UM19065	2023-07-07	17:28:05	Sherret	0.0751 in/s	73.1 Hz						N/A
Waveform	UM19066	2023-07-07	17:27:55	Poch	0.175 in/s	>100 Hz						N/A
Waveform	UM19065	2023-07-07	17:27:18	Sherret	0.1074 in/s	73.1 Hz						N/A
Waveform	UM19065	2023-07-07	17:26:59	Sherret	0.0605 in/s	73.1 Hz						N/A
Waveform	UM19065	2023-07-07	17:26:10	Sherret	0.0655 in/s	73.1 Hz						N/A
Waveform	UM19065	2023-07-07	17:25:39	Sherret	0.0649 in/s	64.0 Hz						N/A
Waveform	UM19066	2023-07-07	17:24:46	Poch	0.2315 in/s	85.3 Hz						N/A
Waveform	UM19066	2023-07-07	17:24:33	Poch	0.068 in/s	>100 Hz						N/A
Waveform	UM19066	2023-07-07	17:24:17	Poch	0.0692 in/s	>100 Hz						N/A
Waveform	UM19065	2023-07-07	17:23:36	Sherret	0.0543 in/s	85.3 Hz						N/A

Event Type	Serial Number	Event Date	Event Time	Location	PPV	PPV ZC Freq	Monitor Log	Event File	Ascii File	CSV File	Event PDFs	A/V File
Waveform	UM19065	2023-07-06	08:39:14	Sherret	0.0636 in/s	28.4 Hz						N/A
Waveform	UM19066	2023-07-05	14:46:52	Poch	0.0506 in/s	>100 Hz						N/A
Waveform	UM19055	2023-07-03	14:59:14	Barron	0.1986 in/s	39.4 Hz						N/A
Waveform	UM19066	2023-06-30	17:34:35	Poch	0.063 in/s	>100 Hz						N/A
Waveform	UM19065	2023-06-30	17:33:03	Sherret	0.0652 in/s	>100 Hz						N/A
Waveform	UM19066	2023-06-30	17:32:08	Poch	0.0608 in/s	>100 Hz						N/A
Waveform	UM19065	2023-06-30	17:31:37	Sherret	0.0583 in/s	85.3 Hz						N/A
Waveform	UM19066	2023-06-30	17:31:20	Poch	0.0664 in/s	>100 Hz						N/A
Waveform	UM19065	2023-06-30	17:30:13	Sherret	0.0608 in/s	85.3 Hz						N/A
Waveform	UM19065	2023-06-30	17:29:44	Sherret	0.0602 in/s	64.0 Hz						N/A
Waveform	UM19066	2023-06-30	17:29:27	Poch	0.0531 in/s	>100 Hz						N/A
Waveform	UM19065	2023-06-30	17:29:01	Sherret	0.0745 in/s	85.3 Hz						N/A
Waveform	UM19065	2023-06-30	17:28:44	Sherret	0.0773 in/s	73.1 Hz						N/A
Waveform	UM19065	2023-06-30	17:28:25	Sherret	0.0593 in/s	64.0 Hz						N/A
Waveform	UM19065	2023-06-30	17:26:35	Sherret	0.0599 in/s	>100 Hz						N/A
Waveform	UM19065	2023-06-30	17:26:18	Sherret	0.0506 in/s	73.1 Hz						N/A
Waveform	UM19065	2023-06-30	17:25:49	Sherret	0.0546 in/s	>100 Hz						N/A
Waveform	UM19065	2023-06-30	17:25:33	Sherret	0.0621 in/s	73.1 Hz						N/A
Waveform	UM19065	2023-06-30	17:22:43	Sherret	0.0503 in/s	>100 Hz						N/A
Waveform	UM19065	2023-06-29	07:59:24	Sherret	0.0611 in/s	20.5 Hz						N/A
Waveform	UM19065	2023-06-28	08:29:15	Sherret	0.0658 in/s	28.4 Hz						N/A

Event Type	Serial Number	Event Date	Event Time	Location	PPV	PPV ZC Freq	Monitor Log	Event File	Ascii File	CSV File	Event PDFs	A/V File
Waveform	UM19055	2023-06-27	14:58:29	Barron	0.1778 in/s	51.2 Hz						N/A
Waveform	UM19055	2023-06-22	14:58:57	Barron	0.2535 in/s	46.5 Hz						N/A
Waveform	UM19066	2023-06-22	07:59:35	Poch	0.0608 in/s	8.7 Hz						N/A
Waveform	UM19065	2023-06-22	07:59:22	Sherret	0.0708 in/s	26.9 Hz						N/A
Waveform	UM19066	2023-06-20	07:59:16	Poch	0.0583 in/s	6.3 Hz						N/A
Waveform	UM19065	2023-06-20	07:59:05	Sherret	0.1067 in/s	28.4 Hz						N/A
Waveform	UM19066	2023-06-19	14:59:05	Poch	0.0614 in/s	>100 Hz						N/A
Waveform	UM19066	2023-06-15	08:02:00	Poch	0.0528 in/s	7.0 Hz						N/A
Waveform	UM19065	2023-06-15	08:01:48	Sherret	0.077 in/s	25.6 Hz						N/A
Waveform	UM19066	2023-06-14	08:00:34	Poch	0.0757 in/s	9.0 Hz						N/A
Waveform	UM19065	2023-06-14	08:00:23	Sherret	0.1002 in/s	30.1 Hz						N/A
Waveform	UM19066	2023-06-12	20:25:08	Poch	0.0732 in/s	>100 Hz						N/A
Waveform	UM19066	2023-06-09	14:53:09	Poch	0.0586 in/s	28.4 Hz						N/A
Waveform	UM19066	2023-06-09	14:49:33	Poch	0.0723 in/s	>100 Hz						N/A
Waveform	UM19066	2023-06-09	14:44:22	Poch	0.13 in/s	>100 Hz						N/A
Waveform	UM19066	2023-06-08	18:54:27	Poch	0.1133 in/s	>100 Hz						N/A
Waveform	UM19066	2023-06-08	18:51:14	Poch	0.3696 in/s	>100 Hz						N/A
Waveform	UM19066	2023-06-08	18:50:22	Poch	0.3404 in/s	51.2 Hz						N/A
Waveform	UM19066	2023-06-08	18:48:18	Poch	0.2309 in/s	56.9 Hz						N/A
Waveform	UM19066	2023-06-07	07:58:30	Poch	0.0785 in/s	5.2 Hz						N/A
Waveform	UM19065	2023-06-07	07:58:20	Sherret	0.1558 in/s	26.9 Hz						N/A

Event Type	Serial Number	Event Date	Event Time	Location	PPV	PPV ZC Freq	Monitor Log	Event File	Ascii File	CSV File	Event PDFs	A/V File
Waveform	UM19066	2023-06-06	08:08:41	Poch	0.0583 in/s	5.7 Hz						N/A
Waveform	UM19065	2023-06-06	08:08:31	Sherret	0.0745 in/s	28.4 Hz						N/A
Waveform	UM19055	2023-06-01	13:54:02	Barron	0.0739 in/s	22.3 Hz						N/A
Waveform	UM19066	2023-06-01	08:01:48	Poch	0.077 in/s	6.0 Hz						N/A
Waveform	UM19065	2023-06-01	08:01:38	Sherret	0.1322 in/s	25.6 Hz						N/A
Waveform	UM19066	2023-05-31	18:49:14	Poch	0.161 in/s	64.0 Hz						N/A
Waveform	UM19066	2023-05-31	18:48:35	Poch	0.0872 in/s	>100 Hz						N/A
Waveform	UM19066	2023-05-31	18:47:57	Poch	0.0819 in/s	>100 Hz						N/A
Waveform	UM19055	2023-05-31	13:02:55	Barron	0.1601 in/s	51.2 Hz						N/A
Waveform	UM19055	2023-05-30	14:57:33	Barron	0.1201 in/s	51.2 Hz						N/A
Waveform	UM19066	2023-05-26	15:09:07	Poch	0.0521 in/s	>100 Hz						N/A
Waveform	UM19055	2023-05-25	12:01:39	Barron	0.1092 in/s	17.1 Hz						N/A
Waveform	UM19055	2023-05-24	13:29:48	Barron	0.2352 in/s	32.0 Hz						N/A
Waveform	UM19055	2023-05-23	13:58:39	Barron	0.094 in/s	22.3 Hz						N/A
Waveform	UM19066	2023-05-18	08:02:26	Poch	0.1195 in/s	5.7 Hz						N/A
Waveform	UM19065	2023-05-18	08:02:17	Sherret	0.1288 in/s	24.4 Hz						N/A
Waveform	UM19055	2023-05-16	14:59:11	Barron	0.2852 in/s	36.6 Hz						N/A
Waveform	UM19066	2023-05-16	08:04:27	Poch	0.0801 in/s	10.2 Hz						N/A
Waveform	UM19065	2023-05-16	08:04:18	Sherret	0.1064 in/s	26.9 Hz						N/A
Waveform	UM19066	2023-05-11	07:00:04	Poch	0.0503 in/s	6.1 Hz						N/A
Waveform	UM19066	2023-05-10	15:48:10	Poch	0.0698 in/s	>100 Hz						N/A

Attachment H
PPV Estimate Location Map


1
2
Sherrett Vibration Monitor
3
Molly Kathleen Vibration Monitor
4
Heritage Center
5
6
7
8
9
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11
12
13
14
15
16
17
18
19
20
Poverty Gulch Dust Monitor
Poverty Gulch Wind and Noise Monitoring Station
Schist Island Pit
Amendment 13 Boundary
Vibration Estimate Location
0ft
250ft
500ft
1,000ft
2,000ft
4,000ft
6,000ft

Attachment I
ADR2 PSSA Remote Monitoring

CC&V VLF Water Level Inspection Readings

Previous Results

Date:			3/12/2023	4/20/2023	4/20/2023	7/10/2023	7/26/2026	Notes
VLF1:		**EPS:**	NG/ERR	TC1	TC1 field	JPL	NCG	Values taken at ADR2
Phase I HVSC & Pond Piezometers		TIME:	13:15	11:17		10:15	10:20	
Note: 80% cap. @ 63.75 ft	Max. of Pump #299, #300, #301, 302, or #303	(ft)	49.6	50.1	--	42.1	43.1	
	Pond Lvl / XDCR #1	(ft)	50.1	50.8	--	49.7	42.5	
	System Press / XDCR #2	(ft)	n/a	n/a	--	n/a	n/a	
Phase I Low Volume Solution Collection		TIME:	13:15	11:22		10:15	10:20	
Note: Req'd < 2 ft	Piezo #1 (HAND)	(ft)	0.7	0.46	--	0.83	0.76	
	Piezo #2 (AUTO)	(ft)	0.66	0.75	--	0.59	0.68	
Phase II & III HVSC & Pond Piezometer		TIME:	13:15	11:18		10:15	10:20	
Note: 80% @ 49.4 ft	Max. of XDCR #4, #5, or #6	(ft)	36.9	36.3	--	32.6	32.7	
	Piezo (Pipe)	(ft)	41.2	39.3	--	40.6	32.7	
Phase II & III Low Volume Solution Collection		TIME:	13:15	11:22		10:15	10:20	
Note: Req'd < 2 ft	Pump / XDCR #1 (AUTO)	(ft)	0.59	0.66	--	0.2	0.18	
	Pump / XDCR #2 (AUTO)	(ft)	0.5	0.51	--	0.42	0.51	
Phase IV High Volume Solution Collection		TIME:	13:15	11:20	11:50	10:15	10:20	
Note: 80% cap. @ 56.5 ft	Max. of Pump #307, #308, or #309	(ft)	42.67	48.95	49.1	27.22	22.8	
	XDCR pipe (#310 Resv'd)	(ft)	42.75	49.86	49.7	38.13	38.15	
Phase IV Low Volume Solution Collection		TIME:	13:15	11:21	11:52	10:15	10:20	
Note: Req'd < 24"	Pump / XDCR #1	(in)	16.2	16.2	15.1	16.17	16.01	
	Pump / XDCR #2	(in)	13.3	13.44	12.9	12.49	12.85	
Phase V High Volume Solution Collection		TIME:	13:15	11:19	12:33	10:15	10:20	
Note: 80% cap. @ 36.5 ft	Max. of XDCR #311, #312, #313, or #314 (Circle XDCR #)	(ft)	24.9	29.9	29.8	17.6	23.5	
Phase V Low Volume Solution Collection		TIME:	13:15	11:20	12:35	10:15	10:20	
Note: Req'd < 24"	XDCR #001	(in)	1.7	12.6	14	1	13	
	XDCR #002	(in)		n/a	17.0	n/a		No pump
External Pond Low Volume Solution Collection		TIME:	13:15	11:23		10:15	10:20	
Note: Req'd < 24"	Pump / XDCR #1-EXT (AUTO)	(in)	8.8	11.18	--	10.13	5.32	
	Pump / XDCR #2-EXT (AUTO)	(in)	17.01	17.87	--	22.59	18.68	
Underdrain Discharge Area		TIME:						
Note: 1 ℓ/sec = 15.85 gpm	South Underdrain (S U/D)	(gpm)		--	--	--	--	
	4" Pipe Discharge AG 01 Spring Pipe	(gpm)		--	--	--	--	
	NPDES Discharge AG 1.5 -001A	(gpm)		--	--	--	--	
	North Underdrain (N U/D)	(gpm)		--	--	--	--	
	24-inch Solid Pipe	(gpm)		--	--	--	--	
Arequa Gulch Monitor Well Pumpback System		TIME:	13:15					
Data first collected by DRMS 3/8/12	3B-63	(ft)	2.17	--	--	2.13	--	*Arequa pumpback sump level
	3C-124	(ft)		--	--	--	--	
	3B-63	(gpm)		--	--	--	--	
	3C-124	(gpm)		--	--	--	--	
VLF2 High Vol. SC:		TIME:	13:15	11:24		10:15	10:20	
Note: 80% cap. @ 94 ft	LIT #88301 (north end)	(ft)	61.3	54.1	--	32.6	24	
	LIT #88303	(ft)	61.7	54.2	--	32.8	24.2	
	LIT #88305	(ft)	61.5	53.6	--	32.7	24.1	
	LIT #88307 (south end)	(ft)	62	52.8	--	33.2	24.5	
	Piezometer-LIT #88314	(ft)	70.8	69.3	--	49.7	43.6	
VLF2 Low Vol. SC:		TIME:	13:15	11:25		10:15	10:20	
Note: Req'd < 24"	Leachate Pump 1	(in)	12.8	13.3	--	14.6	14.6	
	Leachate Pump 2	(in)	13	12.2	--	13.7	13.7	