

EPO 2013/ CR-34
Obed Mountain Mine
Monthly Status Report – April 2018

Issued: May 7, 2018

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1.0 MONTHLY STATUS REPORT – APRIL 2018

On December 19, 2013, Alberta Environment and Sustainable Resource Development ("ESRD") issued Environmental Protection Order No. EPO-2013/34-CR, as amended (the "EPO"), to Coal Valley Resources Inc. ("CVRI") and Sherritt International Corporation ("Sherritt") in respect of the Obed Mountain Mine (the "Mine").

The Proponents, Sherritt and Prairie Mines & Royalty ULC ("PMRU", previously known as CVRI), submit the following Monthly Status Report as required by the EPO:

- Appendix 1 - April 2018 Data Sonde Data (Please note: data in monthly graphs are raw, uncorrected data. All data will be corrected applying standard correction methods using calibration records, field notes and water levels, data grading, and will be presented in the annual monitoring report).

2.0 EPO ACTIVITIES

2.1 FIELD WORK COMPLETED IN APRIL

Table 1 summarizes EPO related field work that was completed in April 2018.

Table 1 Field Work Completed		
Location	Activity	Description
APC-1 to APC-3	Rock Placement	Screened Class 1M rounded rip rap, sourced from the Obed Mountain, was staged in strategic locations along APC-3 and below the MTP.
APC-1 to APC-3	Access Maintenance	Minor access maintenance activities and removal of the ice bridge within APC-2.
MTP and ECP	Water Management	Active water management from the MTP to the ECP occurred via pumps and sclair pipe. The MTP was being pumped down in preparation for freshet.

2.2 CLAUSES 17 – LONG TERM SAMPLING AND MONITORING PLAN ('LTSMP')

The Proponents received approval of the Long-Term Sampling and Monitoring Plan (LTSMP) retroactive to April 24, 2014.

The AER, AEP, DFO and Alberta Health Services received a copy of all data collected under the LTSMP on March 29, 2018. Questions regarding the data should be directed to the Proponents as listed in Section 4.

Table 2 below describes any actions related to data sonde operation or calibration to the end of March.

Table 2 Data Sonde Status (2018)			
Site	Event Description	Date Range	Notes
APC	Sonde calibration	31 – Jan - 18	SDI issue, crew returning February 2, 2018 to fix.
APC	Sonde Troubleshooting	2 – Feb - 18	Crew returned and fixed the identified SDI issued.
APC	Sonde calibration	13 – Feb - 18	Sonde calibrated, out of water for 30 minutes.
APC	Sonde calibration	15 – Mar - 18	Troubleshoot station and sonde. Issue is with station and not sonde. Replace sonde with calibrated unit. Data is being recorded internally, but not transmitted via Sutron-win as a result of station issues. A software patch will be installed during the week of April 9 – 13, 2018.
APC	Sonde calibration	11 – Apr - 18	Sonde calibrated, issues with Sutron-Win fixed.

Note: the first week and half of data from April is missing due to issues with Sutron-Win (the data provider). A software patch was provided by Sutron-Win and this patch was installed to fix the data corruption issues. The firmware patch allows for wireless checks from off-site to ensure that the data is recording and to identify any potential on-site issues.

2.3 CLAUSE 27 – REMEDIATION PLAN

The following is an update of completed and planned activities as well as upcoming targets:

- The Remediation Design, Conceptual Design, was submitted to the AER on February 3rd, 2017.
 - The Proponent received and responded to SIRs from AEP, AER and DFO (GRA)
- A second set of Design Drawings were submitted on June 24, 2017.
 - The Proponent received a second round of SIRs from DFO (GRA) on July 12, 2017.
 - An updated survey of the disturbance area was requested at the time of the second round of SIRs and was completed in August 2017.
- Revised design drawings for APC-1 to APC-4 as well as the corresponding GRA SIR responses were submitted on October 20, 2017.

- Revised design drawings for APC-5 and APC-7 as well as the corresponding GRA SIR responses were submitted on November 6, 2017.
 - The Proponent received SIRs related to the latest design drawings on January 16, 2018.
- Revised design drawings for APC-1 to APC-7 as well as corresponding images from APC-1 to APC-7, a Design Brief and responses to the GRA SIRs were submitted on February 23, 2018.
- A technical face-to-face meeting with the EPO Technical Team, DFO, GRA, AER and AEP occurred on March 9, 2018.
- The DFO Authorization was submitted on March 12, 2018.
 - Subsequent Offsetting Plan meetings related to the Authorization occurred on March 16 and 23, 2018 with DFO, AEP, AER and the Proponent's Team.
 - The Proponent received SIRs on April 11, 2018.
 - The Proponent submitted SIR responses on April 27, 2018.

2.4 HUMAN HEALTH RISK ASSESSMENT ("HHRA")

Alberta Health Services was provided a copy of all data collected in 2017 on March 29, 2018. Questions regarding the data should be directed to the Proponents as listed in Section 4.0.

3.0 PLANNED FIELD WORK MAY 2018

The following outlines work planned for May 2018:

- **Access work:**
 - Continue minor access maintenance, as weather permits.
- **Procurement and Staging of Material:**
 - Securing quotes and locations of all necessary rock material and, if weather and road bans allow, staging of rock on the MSL.
- **Pre-Freshet Water Management**
 - Pumping
 - If weather requires early season water management, pumps will be ready to complete necessary operations
- **Fish Exclusion Weir Spring Survey**
 - A survey of the fish exclusion weir location will be completed to verify elevations and design elements.

- **East Conveyor Pond (ECP) Fish Habitat Assessment**
 - A fish habitat assessment of ECP will take place once ECP is under ice free conditions. Depending on weather conditions, this may occur in May but could be delayed until June.

- **APC-5 Tributary Assessment**
 - An assessment will take place on APC-5 Tributary to determine the headwaters as well as identify fish barriers. This will take place under ice free conditions and depending on weather conditions, this may occur in May but could be delayed until June.

4.0 CONTACT INFORMATION

If you have questions regarding the information published, require data, information or would like to submit comments or questions please email:

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The Obed website was updated monthly. The website includes copies of all plans, data and reports published to date and can be accessed at www.Obed.ca

Appendix 1: April 2018 Data Sonde Data





