



AER Update on Imperial Kearl: April 25 – May 2, 2024

Hello everyone,

We hope that the week has been a great one.

Please find the latest information regarding the Alberta Energy Regulator's continued regulatory oversight of Imperial under the terms of the environmental protection order.

If you have any questions, please reach out.

AER Highlights

- NODA, WETA, DP4, and WB3 areas were inspected on April 30 and May 1
- The AER's next planned site inspection is planned for May 8
- Third-party sampling on behalf of AER is planned for May 8 and May 9
- AER SMEs are currently reviewing the following documents and Imperial's responses to supplemental information requests (SIRs):
 - Update to the Source Control and Containment Plan
 - Conceptual Site Model Interim Report: Additional SIRs were sent to Imperial by the AER

North Overburden Disposal Area (NODA)

- De-winterization complete

West External Tailings Area (WETA)

- De-winterization complete

Water Body 3 (WB3)

- No unplanned downtime on any of the wellpoint vacuum systems
- All three wellpoint systems have been operating consistently
- De-winterization and optimization of all three systems complete
- A temporary sump pump flow meter was installed

Monitoring & Sampling

- Visual inspections at seep locations are ongoing by Imperial
- Inspections and sampling of seeps where water is present continue by Imperial
- ETA-Seepage Interception System: Five additional pumping wells were activated by Imperial. Two wells are north of the ETA and three in the northeast corner of the site. These wells are activated for seepage mitigation
- The sampling frequency in surface water and groundwater locations (where applicable in the Sampling and Monitoring Plan) was increased by Imperial during the last week of March with the start of spring freshet. As of April 27, 2024, sampling returned to the non-freshet frequency of bi-weekly sampling

Fish and Wildlife

- Weekly inspections of fenced wildlife areas are ongoing by Imperial
- As mentioned in the April 18 update - during an IOL inspection, several dead fish in various stages of decomposition were found near the fish fence at WB3. Over the past two weeks, more fish in various stages of decomposition were observed by Imperial near the fish fence; Imperial has attributed the deaths of these fish to natural winter kill due to low dissolved oxygen (DO) in WB3