



AER Update on Imperial Kearn: March 1 - 7, 2024

Hello everyone,

Please find the latest information regarding our continued management of Imperial Kearn under the terms of the environmental protection order.

If you have any questions, please don't hesitate to reach out.

AER Highlights

- AER held an open house at Fort Chipewyan on March 5. Thank you to the community members and leadership who were able to join us.
- NODA, WETA, DP4, and WB3 areas were inspected by the AER on March 7
- The AER's next planned site inspection is scheduled for March 14
- AER SMEs are currently reviewing the following documents:
 - Update to the Source Control and Containment Plan
 - Conceptual Site Model Interim Report

North Overburden Disposal Area (NODA)

- Continued monitoring of an ice sheet on a trench to ensure the trench is operating as designed.

West External Tailings Area (WETA)

- A sump pump was replaced on February 28

Drainage Pond 4 (DP4)

- A new gate for a fence near DP4 is being fabricated by a supplier

Water Body 3 (WB3)

- Two of the ground heaters are being repaired
 - Temporary heat is in place

2023 Winter Drilling Programs:

- There are currently 244 locations planned as part of the EPO winter drilling scope
 - To-date, 190 of the planned 213 EPO monitoring wells have been completed
 - 5 of 31 planned External Tailings Area (ETA-SIS Seepage Interception System pumping wells) have been completed

Monitoring & Sampling

- Inspections and sampling of seep locations and seeps with water present are ongoing
- Extreme cold weather has slowed well drilling and sampling efforts
 - Imperial is adding to its contract workforce to reduce the backlog
- Planning is in progress to facilitate access to required locations through spring break-up
- Sulphate exceedances were noted by Imperial at three surface water sampling locations north of NODA and DP4.
 - Imperial's initial analysis suggests the results are related to the residual sulphate in the soil.
 - These sites have refrozen but will be sampled again once thawed.
 - The AER will review Imperial's data once received to ensure compliance with requirements.

Fish and Wildlife

- No update