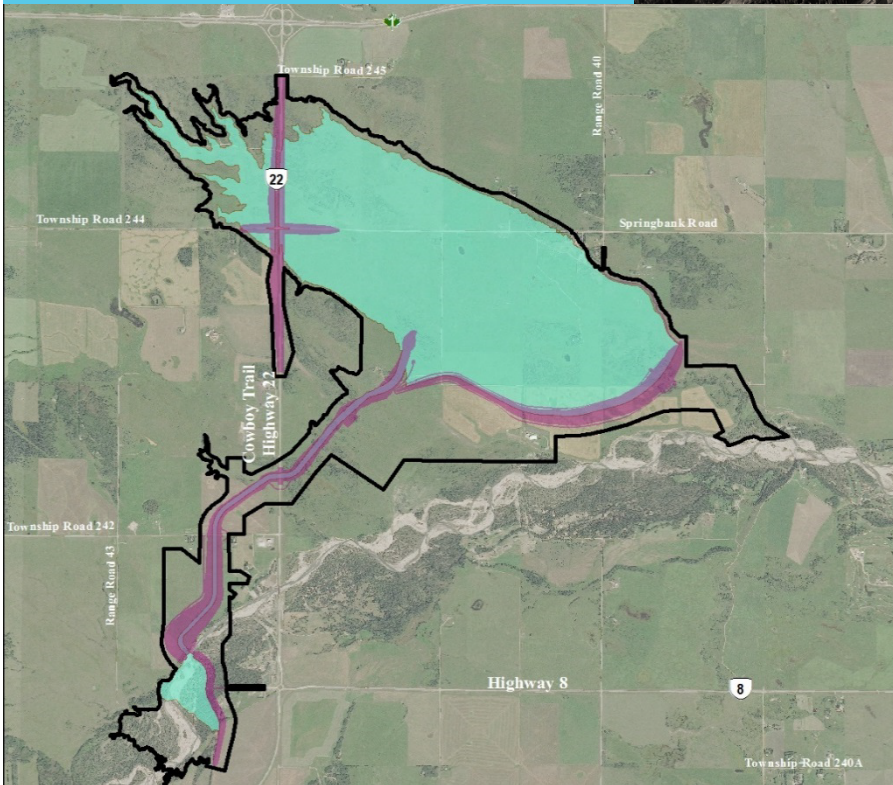


Springbank Off-stream Reservoir Project



30-day Post Spill Report

June 2022

June 24, 2022

Compliance Promotion and Enforcement Unit
Impact Assessment Agency of Canada
160 Elgin St., 22nd Floor
Ottawa, Ontario
K1A 0H3
compliance-conformite@iaac-aeic.gc.ca

**Subject: SPRINGBANK OFF-STREAM RESERVOIR PROJECT – IAAC CONDITION 11.5.3:
NOTIFICAION OF SPILL**

As required by Condition 11.5.3 of the Decision Statement, Alberta Transportation is submitting a written report for the spill that took place on May 26, 2022, initial notification was sent to IAAC on May 30, 2022. The report contains details that fulfills IAAC condition 11.5.3:

- 11.5.3 submit a written report to the Agency no later than 30 days after the day on which the accident or malfunction occurred. The written report shall include:*
- 11.5.3.1 a detailed description of the accident or malfunction and of its adverse environmental effects;*
 - 11.5.3.2 a description of the measures that were taken by the Proponent to mitigate the adverse environmental effects caused by the accident or malfunction;*
 - 11.5.3.3 any view from Indigenous groups and potentially affected parties and advice from relevant authorities received with respect to the accident or malfunction, its adverse environmental effects and the measures taken by the Proponent to mitigate these adverse environmental effects;*
 - 11.5.3.4 a description of any residual adverse environmental effect and any modified or additional measure required by the Proponent to mitigate residual adverse environmental effects; and*
 - 11.5.3.5 details concerning the implementation of the accident or malfunction response plan referred to in condition 11.3.*

Please contact me if you have any questions regarding this notification.

Sincerely,



Mark Svenson, P.Biol
Water Management Environmental Specialist
Mark.Svenson@gov.ab.ca

Attachment 1: 30-day Post Spill Report

Description of Accident

On May 26, 2022, soil striping and grading works were taking place on site when a scraper emptying its load of subsoil, came too close to the edge of the stockpile embankment and rolled over. The scraper was left upside down for approximately 45 minutes while Vinci Infrastructure Canada's (retained by Alberta Transportation to construct the Springbank Off Stream Reservoir Project) safety department investigated the accident. While the scraper was upside down, approximately 30L of diesel fuel and 15L of hydraulic oil leaked out into the exposed (i.e. stripped) ground. As required by Alberta Environment and Parks (AEP), the Prime Contractor reported the spill via the telephone hotline on May 30, 2022.

The accident occurred on LSD 10-10-24-4 W5M.

Description of Mitigations

Following the safe extraction of the scraper operator, the contaminated soil was immediately removed by an excavator and stored in a containment cell. On May 31, 2022, a Soil Scientist inspected the incident area and took soil samples to confirm all contamination had been removed. No volatile compounds were detected at the incident area using a Photoionization Detector (field meter) and no odours and staining were detected. Soil samples were also sent for laboratory analysis. On June 16, 2022, the laboratory results were received and based on initial review of the results, all hydrocarbon analyses were below criteria levels.

A follow-up site-wide safety meeting was held June 2, 2022, to review the circumstances leading to the incident and preventative measures to be implemented by all site personnel. It was determined that stockpile shape and an inexperienced operator were the root causes that lead to the tipping of the scraper and release of fluids. A commitment was made to ensure staff are trained and the stockpile shape modified. All remaining stockpiles within the Project area were inspected and none required reshaping. Stockpile shapes will continue to be inspected on a routine basis and re-shaped if required. Spill response steps were outlined for all to follow including rapid initial reporting both internally and externally to AEP, documentation of the recovery of the contaminated soil, flagging of the excavated soil area, disposal at an approved facility and subsequent confirmatory sampling.

Indigenous Engagement

Indigenous groups were sent a letter detailing the spill, no feedback has been received to date. Alberta Transportation will provide IAAC with an update of any feedback received in the 90-day post-spill report as required by IAAC condition 11.5.4.

Regulatory Requirements

To date, Alberta Transportation has not received any feedback or inquiries from Alberta Environment and Parks regarding the spill.

Residual Effects

There are no expected adverse residual effects to the environment and no additional measures are required at this time. Based on the field inspections, soil samples, and initial laboratory results, Alberta Transportation is confident that all contaminated soils have been removed.

Accident and Malfunction Plan Compliance

Alberta Transportation is in the process of reviewing the Environment Construction Spill Response Plan: Construction Spill Response and Communication Plan (the Plan; submitted to IAAC on April 14, 2022) to confirm if the spill response was in compliance with the Plan. Alberta Transportation will provide an update in the 90-day post-spill report as required by IAAC condition 11.5.4.