



REPORT

To: Solid Waste Committee

Report Number: ENV-SWC-165

From: Gerritt Lacey, Solid Waste Manager

Date: July 4, 2024

Subject: 2024 Solid Waste Projects Update

RECOMMENDATION:

That the Solid Waste Committee receive the report titled “2024 Solid Waste Project Update – ENV-SWC-165”, which provides an update on the status of 2024 solid waste capital projects, for information.

BACKGROUND/RATIONALE:

This report has been prepared to provide the Solid Waste Committee (SWC) with an update on the progress and status of 2024 solid waste capital projects.

2024 Solid Waste Capital Projects:

- 1. 2020 Bessborough Landfill Phase 3B & Leachate Construction, Phase 1B Closure.**
 - Final piece of infrastructure, an insulated hotbox for the leachate flow monitoring riser, is set to arrive July 5, 2024 for installation.
 - The project is anticipated to be completed by July 31, 2024.

- 2. 2023 Land Purchases Hasler Flats, Beaton River**
 - Starting in July, staff will be using a realtor to assist with locating properties for purchase.

- 3. 2023 Compaction Trailers**
 - Contract was awarded to Rollins Machinery in 2023.
 - The first trailer was delivered in January 2024 and has been servicing the Tumbler Ridge Transfer Station since February 8, 2024.
 - The second trailer was delivered in May 2024, and the third trailer was delivered June 2024.
 - Hudson’s Hope Transfer Station will transition to using the compaction trailer July 15, 2024.
 - The project is anticipated to be completed by July 31, 2024.

- 4. Bessborough Phase 4A Landfill Cell**
 - Contract for engineering services was awarded to Tetra Tech Canada Inc. on May 4, 2023.
 - Design of the new landfill cell was completed in January 2024 and the tender for construction was issued in March 2024.
 - Contract for construction services was awarded to KBL Projects Limited on May 2, 2024.
 - KBL mobilized to site May 22, 2024.
 - Construction kickoff was held May 29, 2024.
 - Designated stockpile area has been cleared of trees and established.

- The new cell has been stripped of topsoil and excavation of the cell is estimated to be 95% complete.
- KBL is currently working on construction of clay liner for the bottom of the cell.
- Leachate in the active phase 3 cell of the landfill is deeper than anticipated. This additional leachate has created a challenge in the project as the existing leachate management system cannot accommodate the amount of leachate that is required to be removed from the landfill cell. Options are currently being explored for removal of the leachate to allow the Phase 4 infrastructure to be connected to Phase 3.
- Construction is estimated to take 11 weeks.
- The project is anticipated to be completed by December 31, 2024.

5. Hudson's Hope Tier 1 Upgrade

- Contract for engineering services was awarded to Morrison Hershfield on May 4, 2023.
- Design of the new upgrades was completed in 2023, and the tender for construction was issued in March 2024.
- Contract for construction services was awarded to ACL on May 2, 2024.
- Construction kickoff meeting was held June 27, 2024.
- ACL mobilized to site July 2, 2024.
- Construction is estimated to take 7 weeks.
- The project is anticipated to be completed by December 31, 2024.

6. Dawson Creek and Taylor Closed Landfill Water Monitoring Well Installations

- Well installations were included in the Matrix Solutions Environmental Monitoring Contract on April 18, 2024.
- The line locates to be completed June 27, 2024.
- Drilling of the sites and installing of the wells is scheduled for July 2-5, 2024.
- The project is anticipated to be completed July 31, 2024.

7. Mile 62.5 Landfill Remediation

- Contract for engineering services was awarded to Morrison Hershfield on May 30, 2024.
- Engineering kick off meeting was held June 13, 2024.
- Morrison Hershfield conducted a site visit of the Mile 62.5 closed landfill June 24, 2024.
- The construction design is planned to be completed by July 15, 2024.
- Construction of the project is anticipated to be completed by October 31, 2024.

8. Kelly Lake Transfer Station

- Procurement of a propane generator unit has been initiated and awarded.
- Supply of the generator is estimated to take 24 weeks.
- Project is anticipated to be completed December 31, 2024.

9. Chetwynd Landfill Replacement

- Contract for engineering services awarded to Tetra Tech Canada Inc on June 8, 2023.
- Desktop site selection and site visits of four potential locations were completed in 2023.
- Two sites are planned to be further investigated in 2024 for suitability of a new landfill:
 - Area A – Located approximately 4km North of the existing landfill
 - Area B – Located beside the existing landfill
- Tetra Tech is working on obtaining a temporary license of occupation for the PRRD for the two locations to allow for preliminary geotechnical investigations.
- PRRD waiting for responses from the 23 first nations communities, member municipality, and BC Ministry of Environment and Climate Change Strategy on the Chetwynd Landfill Project Update report that was shared from the April 5, 2024 Solid Waste Committee Meeting. Two responses have been received to date:
 - Lheidli T'enneh First Nation – expressed they have no concerns.
 - Doig River First Nation – requested shape files and upon receipt of them, deferred to West Moberly First Nation.

ALTERNATIVE OPTIONS:

1. That the Solid Waste Committee provide further direction.

STRATEGIC PLAN RELEVANCE:

- Asset and Infrastructure Management

FINANCIAL CONSIDERATION(S):

Table 1 below provides the approved 2024 capital budgets with the spend to date and remaining project budget available:

Table 1: 2024 Solid Waste Capital Projects

Project	2024 Budget	2024 Spend	2024 Remaining	% spent
2020 BBLF – Phase 3B & Leachate Construction, Phase 1B Closure	\$44,000	\$0	\$44,000	0%
2023 TS Land Purchases Hasler Flats, Beatton River	\$200,000	\$0	\$200,000	0%
2023 Compaction Trailers	\$578,420	\$568,420	\$10,000	98%
BBLF Phase 4A – Engineering / Construction	\$2,356,604	\$195,744	\$2,160,860	8%
HHTS Tier 1 Upgrades Engineering / Construction	\$914,731 +\$417,434	\$26,878	\$1,305,287	2%
2024 Dawson Creek and Taylor Closed Landfill Water Monitoring Well Installations	\$80,000	\$0	\$80,000	0%
2024 Mile 62.5 and Taylor Closed Landfill Remediation	\$235,000	\$0	\$0	0%
Kelly Lake Transfer Station – Generator Installation	\$75,000	\$0	\$75,000	0%
Chetwynd Landfill Replacement Project	\$1,133,000	\$9,250	\$1,123,750	1%

COMMUNICATIONS CONSIDERATION(S):

None at this time.

OTHER CONSIDERATION(S):

None at this time.