

## 2.0 Reporting Requirements

This report has been completed in accordance with the requirements of Sections 9.3, Subsections (a) to (j), of The Environmental Management Act Permit No.: PR-17150.

### 9.3(a) The category and tonnage of waste received, recycled and discharged for the preceding calendar year

A summary of the waste streams / materials received at the Tervita Silverberry Secure Landfill in 2020 are in Table 1.

**Table 1 – Waste Substance Summary**

Substance	Tonnage
Cement	404.88
Construction and Demolition Material	1,151.06
Contaminated Soil (Chemical/Solvent)	50.50
Contaminated Soil (Crude Oil/Condensate)	963.21
Contaminated Soil (Metals)	434.14
Contaminated Soil (Produced/Salt Water)	26,887.42
Contaminated Soil (Refined Fuels/Oils)	5,502.25
Frac Sand (Non-Radioactive)	3,150.18
Sand Produced	853.10
Flare Pit Material	11,331.59
Hydrocarbon Contaminated Material	72,101.41
Contaminated Process Material	42,185.14
Sulphur	579.55
Misc Wastes Industrial	5,727.53
Drilling Waste Hydrocarbons	91,253.33
Drilling Waste Gel Chemical	30,193.01
NORM	7,636.47
Drilling Waste Advanced Drill Gel Chem	58,734.10
Liner Disposal	278.53
Refrac Brick	18.95
Non-Friable Asbestos	85.17
<b>Total Tonnage</b>	<b>359,521.52</b>

In 2020, 59,234.10 m<sup>3</sup> of leachate from the Landfill was processed and sent for deepwell disposal at one of Tervita's Oilfield Waste Management Facilities. The 2020 Leachate Disposal Volume Summary is included as Attachment 1. Analysis was done on 2013 to 2020 waste types received to determine trends. See Table 2 and Graph 1 for the trend analysis.

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### 9.3(a) The category and tonnage of waste received, recycled and discharged for the preceding calendar year

A summary of the waste streams / materials received at the Silverberry Landfill in 2021 are in Table 1.

**Table 1 – Waste Substance Summary**

Substance	Tonnage
Cement	242.37
Construction and Demolition Material	1,366.90
Contaminated Soil (Chemical/Solvent)	241.48
Contaminated Soil (Crude Oil/Condensate)	699.67
Contaminated Soil (Metals)	768.05
Contaminated Soil (Produced/Salt Water)	28,930.74
Contaminated Soil (Refined Fuels/Oils)	9,150.06
Frac Sand (Non-Radioactive)	11,751.34
Sand Produced	49.80
Hydrocarbon Contaminated Material	51,593.66
Contaminated Process Material	46,196.21
Sulphur	13.12
Misc Wastes Industrial	3,225.96
Drilling Waste Hydrocarbons	105,368.35
Drilling Waste Gel Chemical	46,566.34
NORM	8,383.38
Drilling Waste Advanced Drill Gel Chem	75,648.25
Liner Disposal	387.70
Non-Friable Asbestos	80.75
<b>Total Tonnage</b>	<b>390,664.13</b>

In 2021, 20,829.10 m<sup>3</sup> of leachate from the Landfill was processed and sent for deepwell disposal at one of SECURE's Oilfield Waste Management Facilities. The 2021 Leachate Disposal Volume Summary is included as Attachment 1.