

2.0 Reporting Requirements

This report has been completed in accordance with the requirements of Permits PR-16078 Section 9.3, Subsections (a) to (j), and PS-15866 Section 9.

PR-16078

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 Northern Rockies Secure Landfill and Special Waste Treatment Facility is provided in the table below. A Landfill Ticket Summary summarizing the total amount of each material received at the landfill is provided in Attachment 1.

Please note that only the final page of each waste material summary has been provided for review. The complete data set is available upon request. Please also note that the Landfill Ticket Summaries provided in Attachment 1 also includes the government surcharge for each load; therefore the total volume reported in the Landfill Ticket Summaries provided in this attachment reports twice the volume actually received.)

Description	Tonnes
Sewage <i>MWR Authorization 100032</i>	4,815.50
Drilling Waste KCl	2,759.49
Drilling Waste Gel Chem	15,186.74
Drilling Waste Hydrocarbon	63,653.17
Miscellaneous Wastes LF	10,051.78
Hydrocarbon Contaminated Soil	16,779.82
Flare Pit Material	1,370.64
Sand Produced	207.22
Frac Sand (non-radioactive)	2,771.88
Contaminated Soil w/ Refined Fuels	9,734.91
Contaminated Soil w/ Produced / Salt Water	5,919.47
Contaminated Soil w/ Pesticide / Herbicide	81.30
Contaminated Soil w/ Mercury / Metals	10,372.75
Contaminated Soil w/ Crude oil / Condensate	19,054.06
Construction / Demolition	31.81
Catalyst Non Sulfur	558.64
Total:	163,349.18

*Note- Industrial Sewage is reported in m³.

9.3(b) A review of the decision matrix for determining which wastes will be treated versus directly disposed and recommended revisions to the matrix;

Please find attached the decision matrix in Attachment 2.

9.3(c) A current topographic map of the site;

A topographic map of the Tervita Northern Rockies Secure Landfill and Special Waste Treatment Facility was completed in November 2012. This survey information has been

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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.

9.9.3(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 and Hazardous Waste Facility:

Description	Volume (tonnes)
Contaminated Soil (Crude Oil/Condensate)	138,070.66
Contaminated Soil (Produced/Salt Water)	70,176.27
Contaminated Soil (Mercury/Metals)	27,468.20
Contaminated Soil (Refined Fuels/Oils)	6,986.59
Contaminated Soil (Chemical/Solvent)	3116.71
Incinerator Ash	7,520.26
Frac Sand (non-radioactive)	1,013.72
Cement	504.73
Flare Pit Material	15,955.13
Hydrocarbon Contaminated Material	1,893.40
Miscellaneous Waste (Landfill)	23,909.88
Drilling Waste (Invert cuttings)	185,633.59
Drilling Waste Gel Chem	59,618.49
Drilling Waste (KCl)	1,746.31
NORM	24,521.33
Absorbents	59.6
Catalyst Non-Sulphur (Spent)	37.63
Sand (Produced)	1,931.71
Sulphur	2,029.54
TOTAL:	572,193.75

In 2012, 29,408 m³ of leachate from the Landfill or Bio-Remediation pad was processed and disposed of at the Silverberry Treatment Recovery and Disposal Facility. The 2012 Leachate Disposal Volume Summary is included as Attachment 1.