

2.0 Reporting Requirements

This report has been completed in accordance with the requirements of *The Waste Management Act* 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 CCS Northern Rockies Landfill and Special Waste Treatment Facility is provided in the table below. A *Landfill Ticket Summary* summarizing the total amount of material received at the landfill is provided in Attachment 1. Please note that the Landfill Ticket Summary includes the government surcharge for each load; therefore the total volume reported in the Landfill Ticket Summary is twice the volume actually received.

Description	Tonnes
Catalyst (Non-Sulphur)	51.00
Construction & Demolition	377.69
Contaminated Soil (Crude Oil/Condensate)	3387.16
Contaminated Soil (Produced / Salt Water)	1489.00
Contaminated Soil (Refined Fuels / Oils)	26762.28
Contaminated Soil (Sulphur)	423.23
Dessicant	10.50
Frac Sand	21.20
Flare Pit	2594.02
Miscellaneous Waste	7091.24
Drilling Waste (Hydrocarbon)	22235.82
Drilling Waste (Gel Chem)	6777.10
Drilling Waste (KCL)	3112.77
Industrial Sewage	2483.50
Total	76816.51

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 CCS Northern Rockies Landfill and Special Waste Treatment Facility was completed in December 2009. This survey information has been incorporated in the CCS Northern Rockies Landfill and Special Waste Treatment Facility 2009 Annual Status Report, which are included in Attachment 3.

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Description	Tonnes
Sulphur	56.44
Construction & Demolition	52.14
Contaminated Soil (Crude Oil/Condensate)	10.16
Contaminated Soil (Mercury / Metals)	720.22
Contaminated Soil (Produced / Salt Water)	98.38
Contaminated Soil (Refined Fuels / Oils)	13,803.62
Dessicant	0
Frac Sand (Non-Radioactive)	473.73
Hydrocarbon Contaminated Material	718.53
Lime Waste	11.23
Miscellaneous Waste	9,111.71
Drilling Waste (Hydrocarbon)	106,680.87
Drilling Waste (Gel Chem)	17,938.94
Drilling Waste (KCL)	3,502.93
Industrial Sewage	4,207.00
Total	157,385.90

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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 CCS 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
Produced Sand	207.22
Construction & Demolition	188.16
Contaminated Soil (Crude Oil/Condensate)	4,307.92
Contaminated Soil (Metals)	9,099.81
Contaminated Soil (Produced / Salt Water)	3,357.40
Contaminated Soil (Refined Fuels / Oils)	24,521.04
Dessicant (Spent)	55.37
Catalyst (Non-Sulphur)	208.03
Hydrocarbon Contaminated Material	8,212.12
Miscellaneous Waste	8,277.23
Drilling Waste (Hydrocarbon)	143,827.25
Drilling Waste (Gel Chem)	36,909.08
Drilling Waste (KCL)	399.03
*Industrial Sewage	4969.50
Total	244,539.16

*Note- Industrial Sewage is reported in m³.

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