

Table E.2.2.1: Water Quality Results for Water Licence Monitoring Location - MS-ASH-01

Monitoring Location			MS-ASH-01	MS-ASH-01	MS-ASH-01	MS-ASH-01
ALS Laboratory Sample ID			WT2500812	WT2505195	WT2509069	WT2527345
Sample Date & Time			2025-01-12 11:55	2025-03-11 09:30	2025-04-22 12:00	2025-09-18 14:15
Analyte	Units	Waste Criteria ¹				
Arsenic	mg/L	2.5	< 1	< 1	< 1	< 1
Barium	mg/L	100	< 2.5	< 2.5	< 2.5	< 2.5
Boron	mg/L	-	< 0.5	< 0.5	< 0.5	1.76
Cadmium	mg/L	0.5	< 0.05	< 0.05	< 0.05	< 0.05
Chromium	mg/L	5	12.8	5.23	4.82	0.75
Lead	mg/L	5	< 0.25	< 0.25	< 0.25	< 0.25
Mercury	mg/L	0.1	< 0.001	< 0.001	< 0.001	< 0.001
Moisture %	%	-	< 0.25	< 0.25	0.38	0.5
Selenium	mg/L	1	< 0.1	< 0.1	< 0.1	< 0.1
Silver	mg/L	5	< 0.05	< 0.05	< 0.05	< 0.05
Uranium	mg/L	10	< 0.2	< 0.2	< 0.2	< 0.2
Zinc	mg/L	500	< 0.5	< 0.5	< 0.5	< 0.5

Notes:

¹ Criteria for process residuals from Environmental Guideline for Industrial Waste Discharges into Municipal Solid Waste and Sewage Treatment Facilities (Government of Nunavut, 2011).

Bold highlighted values indicate results exceeded the applicated Waste Criteria.

Table E.2.2.2: Water Quality Results for Water Licence Monitoring Location - MS-ASH-01-A

Monitoring Location			MS-ASH-01-A	MS-ASH-01-A
ALS Laboratory Sample ID			WT2503136	WT2507843
Sample Date & Time			2025-02-16 10:20	2025-04-04 15:50
Analyte	Units	Waste Criteria ¹		
Arsenic	mg/L	2.5	< 1	< 1
Barium	mg/L	100	< 2.5	< 2.5
Boron	mg/L	-	1.88	3.01
Cadmium	mg/L	0.5	< 0.05	< 0.05
Chromium	mg/L	5	5.05	1.35
Lead	mg/L	5	< 0.25	< 0.25
Mercury	mg/L	0.1	< 0.001	< 0.001
Moisture %	%	-	6.45	20.1
Selenium	mg/L	1	< 0.1	< 0.1
Silver	mg/L	5	< 0.05	< 0.05
Uranium	mg/L	10	< 0.2	< 0.2
Zinc	mg/L	500	< 0.5	< 0.5

Notes:

¹ Criteria for process residuals from Environmental Guideline for Industrial Waste Discharges into Municipal Solid Waste and Sewage
Bold highlighted values indicate results exceeded the applicated Waste Criteria.

Table E.2.2.3: Water Quality Results for Water Licence Monitoring Location - MS-ASH-01-B

Monitoring Location			MS-ASH-01-B	MS-ASH-01-B
ALS Laboratory Sample ID			WT2503136	WT2507843
Sample Date & Time			2025-02-16 10:25	2025-04-04 15:55
Analyte	Units	Waste Criteria ¹		
Arsenic	mg/L	2.5	< 1	< 1
Barium	mg/L	100	< 2.5	< 2.5
Boron	mg/L	-	2.12	3.08
Cadmium	mg/L	0.5	< 0.05	< 0.05
Chromium	mg/L	5	3.8	0.33
Lead	mg/L	5	< 0.25	< 0.25
Mercury	mg/L	0.1	< 0.001	< 0.001
Moisture %	%	-	9.12	28.6
Selenium	mg/L	1	< 0.1	< 0.1
Silver	mg/L	5	< 0.05	< 0.05
Uranium	mg/L	10	< 0.2	< 0.2
Zinc	mg/L	500	< 0.5	1.09

Notes:

¹ Criteria for process residuals from Environmental Guideline for Industrial Waste Discharges into Municipal Solid Waste and Sewage
Bold highlighted values indicate results exceeded the applicated Waste Criteria.

Table E.2.2.4: Water Quality Results for Water Licence Monitoring Location - MS-ASH-01-C

Monitoring Location			MS-ASH-01-C	MS-ASH-01-C
ALS Laboratory Sample ID			WT2503136	WT2507843
Sample Date & Time			2025-02-16 10:30	2025-04-04 15:00
Analyte	Units	Waste Criteria ¹		
Arsenic	mg/L	2.5	< 1	< 1
Barium	mg/L	100	< 2.5	< 2.5
Boron	mg/L	-	1.58	2.64
Cadmium	mg/L	0.5	< 0.05	< 0.05
Chromium	mg/L	5	6.16	< 0.25
Lead	mg/L	5	< 0.25	< 0.25
Mercury	mg/L	0.1	< 0.001	< 0.001
Moisture %	%	-	5.99	38.4
Selenium	mg/L	1	< 0.1	< 0.1
Silver	mg/L	5	< 0.05	< 0.05
Uranium	mg/L	10	< 0.2	< 0.2
Zinc	mg/L	500	< 0.5	5.07

Notes:

¹ Criteria for process residuals from Environmental Guideline for Industrial Waste Discharges into Municipal Solid Waste and Sewage
Bold highlighted values indicate results exceeded the applicated Waste Criteria.

Table E.2.2.5: Water Quality Results for Water Licence Monitoring Location - MS-ASH-01-D

Monitoring Location			MS-ASH-01-D	MS-ASH-01-D
ALS Laboratory Sample ID			WT2503136	WT2507843
Sample Date & Time			2025-02-16 10:35	2025-04-04 16:05
Analyte	Units	Waste Criteria ¹		
Arsenic	mg/L	2.5	< 1	< 1
Barium	mg/L	100	< 2.5	< 2.5
Boron	mg/L	-	1.57	3.32
Cadmium	mg/L	0.5	< 0.05	< 0.05
Chromium	mg/L	5	5.56	< 0.25
Lead	mg/L	5	< 0.25	< 0.25
Mercury	mg/L	0.1	< 0.001	< 0.001
Moisture %	%	-	8.08	41.6
Selenium	mg/L	1	< 0.1	< 0.1
Silver	mg/L	5	< 0.05	< 0.05
Uranium	mg/L	10	< 0.2	< 0.2
Zinc	mg/L	500	< 0.5	2.74

Notes:

¹ Criteria for process residuals from Environmental Guideline for Industrial Waste Discharges into Municipal Solid Waste and Sewage
Bold highlighted values indicate results exceeded the applicated Waste Criteria.

Table E.2.2.6: Water Quality Results for Water Licence Monitoring Location - MS-ASH-02

Monitoring Location			MS-ASH-02	MS-ASH-02	MS-ASH-02	MS-ASH-02
ALS Laboratory Sample ID			WT2503136	WT2509069	WT2519827	WT2531734
Sample Date & Time			2025-02-16 11:30	2025-04-22 12:10	2025-07-18 14:30	2025-11-04 10:00
Analyte	Units	Waste Criteria ¹				
Arsenic	mg/L	2.5	< 1	< 1	< 1	< 1
Barium	mg/L	100	< 2.5	< 2.5	< 2.5	< 2.5
Boron	mg/L	-	2.73	1.72	2.49	2.1
Cadmium	mg/L	0.5	< 0.05	< 0.05	< 0.05	< 0.05
Chromium	mg/L	5	0.75	< 0.25	< 0.25	< 0.25
Lead	mg/L	5	< 0.25	< 0.25	< 0.25	< 0.25
Mercury	mg/L	0.1	< 0.001	< 0.001	< 0.001	< 0.001
Moisture %	%	-	1.85	0.57	0.97	0.62
Selenium	mg/L	1	< 0.1	< 0.1	< 0.1	< 0.1
Silver	mg/L	5	< 0.05	< 0.05	< 0.05	< 0.05
Uranium	mg/L	10	< 0.2	< 0.2	< 0.2	< 0.2
Zinc	mg/L	500	< 0.5	< 0.5	17	< 0.5

Notes:

¹ Criteria for process residuals from Environmental Guideline for Industrial Waste Discharges into Municipal Solid Waste and Sewage
Bold highlighted values indicate results exceeded the applicated Waste Criteria.