# **Appendix F4**

# 2015 Landfarm Report



### MEADOWBANK GOLD PROJECT

# 2015 Landfarm Report

In Accordance with NIRB Project Certificate No.004 & NWB License 2AM-MEA1525

Prepared by:
Agnico-Eagle Mines Limited – Meadowbank Division

March, 2016

### **EXECUTIVE SUMMARY**

As per the Landfarm Design and Management Plan (February, 2013), this report has been prepared to provide the following information regarding landfarm activities in 2015:

- volume of material added to and removed from the facility
- disposal or reuse location
- results from laboratory analyses of soil and contact water
- volume and type of nutrient additions
- visual inspection results
- volume of contact water pumped

In 2015 a new method of monitoring landfarm volumes was established following a review of record-keeping methods. Rather than monitoring the quantity of each individual addition of contaminated soil to the landfarm, AEM conducted two surveys of landfarm material — one before and one after soil sampling/removal activities. While total soil additions in 2015 can therefore only be estimated from January - August (when the first survey took place), this method will increase the accuracy of tracking landfarm additions and removals in future years.

End-of-year estimates in 2014 indicated a total landfarm contaminated soil volume of 2347 m³. In August 2015, the landfarm held a total of 2587.2 m³ of contaminated soil, based on survey results. Therefore approximately 240.2 m³ were added from January – August, 2015.

Following screening and removal activities (October, 2015), the total volume from survey results was 2349 m<sup>3</sup>. Therefore, a total volume of 238.2 m<sup>3</sup> of remediated soil were removed in 2016 and placed in the waste rock storage facility or used in site works (TSF base cover material). This includes approximately 63 m<sup>3</sup> of remediated fine material, and 176 m<sup>3</sup> of screened coarse material.

Visual inspections indicated that the landfarm berm and pad appear to be structurally intact, and no maintenance requirements were identified.

Some ponded water was observed within the landfarm, and was sampled but an insufficient volume accumulated to warrant pumping to the TSF. No seepage was identified.

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### SECTION 1 • INTRODUCTION

#### 1.1 BACKGROUND

Onsite storage and remediation has been established as the preferred method for treatment of petroleum hydrocarbon-contaminated soil that may be generated at Meadowbank facilities. Specifically, remediation through land farming has been identified as the primary treatment option. The Landfarm Design and Management Plan was updated in February, 2013 to describe the operational procedures used onsite in relation to this management strategy. In addition to regular remediation methods, the 2013 Plan describes the implementation of a pilot project to enhance rates of bioremediation through addition of a nutrient source. Due to the success of the pilot project (addition of sewage treatment sludge as a nutrient supplement) AEM will implement the project as a regular activity.

### 1.2 OBJECTIVES

Per the Landfarm Design and Management Plan (February, 2013) this report summarizes the following aspects of the Meadowbank landfarm operation in 2015:

- volume of material added to the facility,
- · amount of material removed
- disposal or reuse location,
- all analysis results,
- volume and type of nutrient addition,
- visual inspection results
- volume of contact water pumped.

### **SECTION 2 • PILOT STUDY (2012-2013)**

A number of studies have indicated that amendment with nutrients may increase rates of biodegradation in PHC contaminated soils, but the effectiveness of this practice is not well defined in northern climates. In order to determine effectiveness of nutrient additions at Meadowbank, a pilot project was conducted to examine rates of biodegradation with and without nutrient amendment. For this study, the nutrient addition was treated sewage treatment plant (STP) sludge.

The main objectives of this study were to determine if rates of PHC degradation in soil at the Meadowbank site are sufficiently rapid to achieve remediation within acceptable time frames (at least prior to closure), and whether additions of sewage sludge significantly impacts degradation rates.

In 2012, three pilot piles in the landfarm facility were treated with 400 gallons of sewage sludge as a nutrient source. Sewage sludge was mixed into the pilot piles on October 8<sup>th</sup> 2012. Each pile consisted of approximately 140 m³ of soil. Samples of the nutrient-treated piles were taken in July 2013 (CSP-STP-1, 2, 3) in attempts to determine if this method of nutrient amendment significantly affects rates of PHC degradation.

Representative composite samples of two non-treated piles (CSP-WDP-1, 2) were taken from two locations (0.5 m depth) in October 2012 and again in July 2013 to assess degradation of TPH over this time period without sewage sludge amendment. Samples were sent to an accredited analytical laboratory and analyzed for humidity, BTEX and F1-F4 hydrocarbons.

Overall, rates of PHC degradation were found to be sufficiently rapid to warrant continued use of the landfarm as a viable treatment for spills of the designated materials. Nutrient treatment appeared to generally increase degradation rates, particularly for the F3 fraction. Use of the landfarm with application of sewage sludge as a nutrient treatment has therefore been continued and will become a regular practice at the landfarm.

### SECTION 3 • LANDFARM ACTIVITIES

#### 3.1 SOIL ADDITIONS

Rather than monitoring the quantity of each individual addition of contaminated soil to the landfarm in 2015, AEM conducted two topographical surveys of landfarm material – one before and one after soil sampling/removal activities. While total soil additions in 2015 are therefore unknown (since surveys took place mid-year), this method will increase the accuracy of tracking landfarm additions and removals in future years.

In August 2015, the landfarm held a total of 2587.2 m³ of contaminated soil, based on survey results. End-of-year estimates in 2014 estimated a total volume of 2347 m³. Therefore approximately 240.2 m³ were added from January – August, 2015.

Total landfarm volumes in summer 2016 prior to removals will be compared to August, 2015 values to determine year-over-year additions.

All sources of contaminants (petroleum hydrocarbons – diesel, motor oils, etc.) were known so no samples were taken of this contaminated soil. A summary of spills occurring in 2015 including those sent to the landfarm are provided in Table 7.2 of the 2015 Annual Report.

#### 3.2 SOIL REMOVAL

Following screening and removal activities (October, 2015), the total remaining contaminated soil volume as indicated by a second survey was 2349 m³. Therefore, a total volume of 238.2 m³ of remediated soil was removed in 2016 and used in site works (TSF cover material). This includes coarse material removed by screening as well as fine material removed after sampling. These activities are further described below.

### 3.2.1 Very Coarse Material (>1") Screening

As described in the Landfarm Operations and Management Plan, the use of an Extec screener to separate coarse and fine material was tested in September, 2013, and use was continued in 2014 and 2015. Contaminated material was sorted by this method from September 6 - 24, 2015 and an estimated 176 m³ of coarse material was removed from piles 3, 4, 6 and part of 5 (see Appendix A) during this time. Screened coarse material was placed alongside the TSF for eventual use in capping, as no hydrocarbon stains or odours were present.

AEM plans to use the same general method again in 2016 to remove non-contaminated coarse material (primarily rocks excavated during spill clean-up).

### 3.2.2 Remediated Fine Soil Removal

In August 2015, sampling of finer material was conducted according to the Landfarm Design and Management Plan (Version 3, February, 2013). Composite samples consisting of subsamples from 5 locations per pile (depth of 50 cm) were collected in clean Ziploc bags, mixed, and placed in laboratory-supplied jars. A light odour of hydrocarbons was only detected for piles CSP-2B, CSP-4 and CSP-5B. A duplicate sample was collected for CSP-5d.

In order for landfarmed soil to be considered remediated and removed for use onsite (e.g. road works), samples must meet GN criteria for agricultural/wildlands. Soil meeting industrial criteria may be removed to the waste rock storage facility where it will eventually be capped with up to 2 m of fill, or used as base cover in the TSF where it will eventually be capped with up to 4 m of fill. Results of sampling in 2015 along with GN criteria are presented in Table 3-2. Laboratory certificates are provided in Appendix B.

Table 3-1. Government of Nunavut soil quality criteria for agricultural/wildlands and industrial areas, and results of landfarm soil analyses on August 16, 2015.

Parameter >	Benzene	Toluene	Ethylbenzene	Xylene	F1	F2	F3	F4
Agricultural/ Wildland (mg/kg)>	0.03	0.37	0.082	11	30	150	300	2800
Industrial (mg/kg) >	0.03	0.37	0.082	11	320	260	1700	3300
CSP-1a	< 0.03	<0.06	<0.06	<0.06	<0.3	600	3200	490
CSP-1b	< 0.03	<0.06	<0.06	<0.06	<0.3	350	2300	380
CSP-2a	< 0.03	<0.06	<0.06	<0.06	<0.3	810	6200	2400
CSP-2b	< 0.03	<0.06	<0.06	<0.06	<0.3	5600	20000	3100
CSP-3a	< 0.03	<0.06	<0.06	<0.06	<0.3	670	4200	490
CSP-3b	< 0.03	<0.06	<0.06	<0.06	<0.3	920	3500	530
CSP-4	< 0.03	<0.06	<0.06	<0.06	<0.3	840	320	<50
CSP-5a	< 0.03	<0.06	<0.06	<0.06	<0.3	260	5200	720
CSP-5b	< 0.03	<0.06	<0.06	<0.06	<0.3	2000	13000	1600
CSP-5c	< 0.03	<0.06	<0.06	<0.06	<0.3	38	1500	350
CSP-5d	< 0.03	<0.06	<0.06	<0.06	<0.3	640	7300	1600
CSP-6a	< 0.03	<0.06	<0.06	<0.06	<0.3	<10	620	79
CSP-6b	< 0.03	<0.06	<0.06	<0.06	<0.3	200	1200	200
DUP-1 (CSP- 5d)	<0.03	<0.06	<0.06	<0.06	<0.3	750	8400	1800

Based on these results, approximately 63 m³ of remediated material was removed from the landfarm on September 4, 2015. A portion (approximately 100 t) was placed in the waste rock storage facility, and the remainder was used in the TSF as part of the base cover. This included a coarse/fine mix from the top 1 m of piles 5c, 6a and 6b which met GN criteria for industrial use.

#### 3.3 NUTRIENT ADDITIONS AND SOIL AERATION

Sewage sludge was added to all piles as a nutrient amendment on August 6, 2015 (6.8 m<sup>3</sup>) The sludge was spread across all piles.

Landfarm piles were aerated in August 2015 by mixing the top half of each windrow with a front-end loader or excavator, and again for some piles in late September, 2015 by re-piling after screening.

### 3.4 REMAINING LANDFARM CAPACITY

As described above, landfarm surveys were completed in August and October, 2015 (prior to and after all removal activities). As of October 2015, a total of 2,349 m<sup>3</sup> of material were

undergoing remediation in the landfarm. The total volume of the landfarm is 11,136 m<sup>3</sup>, so based on this survey, the total remaining capacity of the landfarm is 8,787 m<sup>3</sup>.

#### 3.5 WATER MANAGEMENT

Some ponded water was identified at the landfarm in 2015 and a sample was collected on July 7, 2015 with a duplicate. The samples were analyzed for BTEX, lead, oil and grease, as described in Part F, Item 6 of the Water License. However, there was an insufficient quantity of ponded water accumulated to warrant to discharge to the adjacent Tailings Storage Facility. Results are provided in Table 3-2. With the exception of field-measured turbidity, all values were well below limits for discharge to the environment.

No seepage of water outside of the landfarm was identified.

Table 3-2. Measured concentrations of analytes in water ponded within the landfarm, and maximum allowable concentrations for discharge to land (Part F, Item 6 of the Water License).

Parameter	Max. Concentration (grab) for discharge to land	Sample	Duplicate
рН	6.0 – 9.0	6.97	-
Conductivity (uS/cm)		570	-
Tubidity (NTU)	15	80.1	-
Temperature (°C)	-	19.4	-
Benzene (µg/L)	370	<0.3	<0.3
Toluene (µg/L)	2	<0.3	<0.3
Ethylbenzene (µg/L)	90	<0.3	<0.3
Total Xylene (µg/L)	-	<0.3	<0.3
Lead (mg/L)	0.001	<0.0003	<0.0003
Total Oil and Grease (mg/L)	5	<1	<1

### 3.6 REQUIRED MAINTENANCE

Visual inspections (see Appendix C) indicated that the landfarm berm and pad appear to be structurally intact, therefore no maintenance requirements were identified.

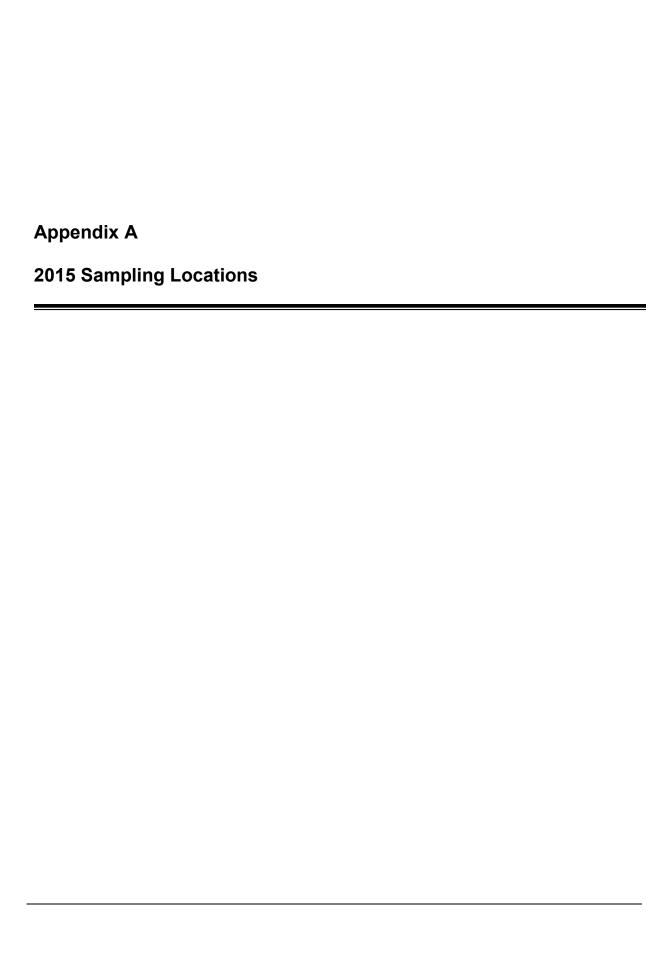
#### SECTION 4 • ACTIONS

The following actions were identified in the 2014 report, and AEM's responses in 2015 are indicated below each item:

- Review Landfarm Design and Management Plan (2013) and update operational procedures as required.
  - o Completed
- Conduct a review of record-keeping requirements according to the updated plan, and incorporate these methods into standard practice by all relevant employees.
  - These methods were reviewed and it was determined that the best method of tracking soil additions and removals is through topographical landfarm surveys conducted by the Engineering Department. See Section 3.1 for further description of this method.
  - While attempts were made to better track additions of sewage sludge by adding the landfarm location to the truck log book, further reminders will be needed to ensure complete records are maintained. This action is identified for 2016.
- Ensure BTEX is requested for analysis in all relevant samples according to the Landfarm Design and Management Plan (2013).
  - Analysis for BTEX was completed in 2015.

The following actions are identified for 2016:

• Steps will be taken to better monitor additions of sewage sludge. Landfarm disposal was added to the log sheet of the truck, and appropriate personnel will be reminded to make use of this logging system prior to the summer months.

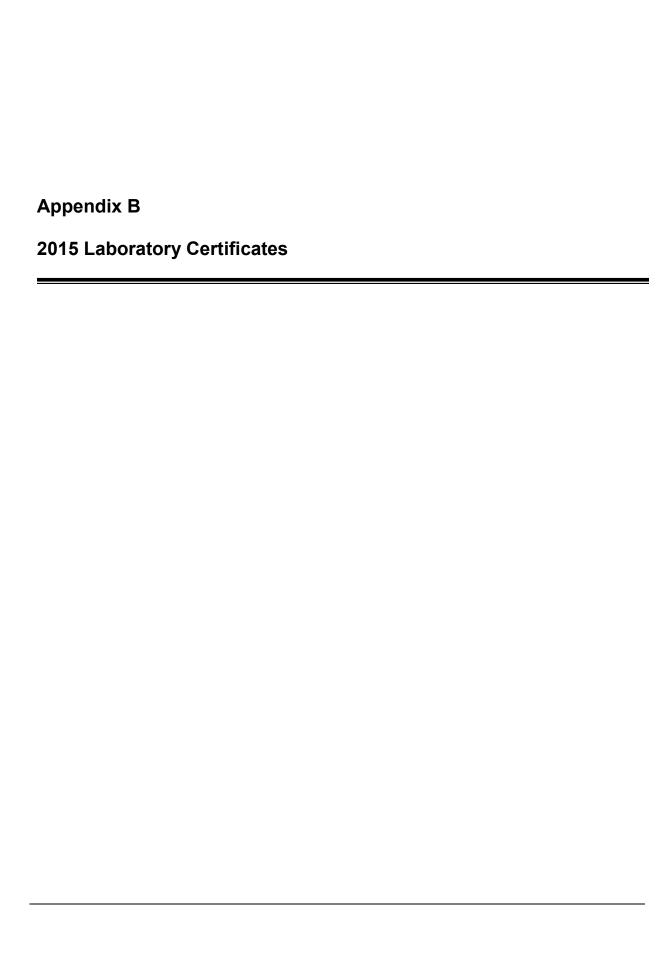




Appendix-Figure 1: 2015 landfarm sampling locations.



Appendix-Figure 2: Landfarm windrow following sampling.





Company: Agnico Eagle Division Meadowbank

Client: M. Stephane Robert Address: General Delivery

Baker Lake Nunavut X0C 0A0

Phone: (604) 677-0689 (--) Fax: (604) 677-0687

Lab number: V-46916

Sampling location: landfarm Sampling date: August 16, 2015

Sample name: CSP-1A Sampling hour: 15:30

Sampled by: Martin Theriault Date received: August 18, 2015

Matrix: Sediment

Drinking water distribution:

Reported on: August 26, 2015

Unless otherwise stated, all samples were received in acceptable condition.

Results relate only to the sample tested.

All samples will be disposed of after 30 days following analysis.

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

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Lab number: V-46916
Sample name: CSP-1A
Sampling location: landfarm
Sampling hour: 15:30

Parameter	Result	Method name	Analysis date
% of humidity	7.26 %	M-HUM-1.0	August 19, 2015
BTEX (S)		M-COV-1.0	
Benzene	<0.03(< A) mg/Kg	M-COV-1.0	August 19, 2015
- Toluene	<0.06(< A) mg/Kg	M-COV-1.0	August 19, 2015
Ethylbenzene	<0.06(< A) mg/Kg	M-COV-1.0	August 19, 2015
-Xylènes Totaux	<0.06(< A) mg/Kg	M-COV-1.0	August 19, 2015
Hydrocarbures (Fraction F1 (C6-C10))	<0.3 mg/Kg	M-COV-1.0	August 19, 2015
Hydrocarbures (Fraction F2 - F	4))	Sous-traitance\Maxxam Analytics Inc	
- Petroleum Hydrocarbons F4 (C34-C50)	490 mg/Kg	Sous-traitance\Maxxam Analytics Inc	August 24, 2015
- Petroleum Hydrocarbons F3 (C16-C34)	3200 mg/Kg	Sous-traitance\Maxxam Analytics Inc	August 24, 2015
- Petroleum Hydrocarbons F2 (C10-C16)	600 mg/Kg	Sous-traitance\Maxxam Analytics Inc	August 24, 2015

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E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com



## **Quality control Report**

Lab number: V-46916
Sample name: CSP-1A
Sampling location: landfarm
Sampling hour: 15:30
Sampling hour: 15:30

Camping recation:	ianarann		Camping nour relea	
Parameter				
Benzene mg/kg	Blank	<0.03		
	Standard name	MR-COV-Solide		
	Result	1.90		
	Accuracy	95%		
	Limit	1.40 - 2.60		
Ethylbenzene mg/kg	Blank	<0.06		
	Standard name	MR-COV-Solide		
	Result	1.80		
	Accuracy	90%		
	Limit	1.40 - 2.60		
Hydrocarbures (Fraction F1	(C6- Blank	<0.3		
-Xylènes Totaux mg/kg	Blank	<0.06		
	Standard name	MR-COV-Solide		
	Result	5.80		
	Accuracy	96.7%		
	Limit	4.20 - 7.80		
- Toluene mg/kg	Blank	<0.06		
	Standard name	MR-COV-Solide		
	Result	1.90		
	Accuracy	95%		
	Limit	1.40 - 2.60		

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## **Additional information**

Lab number: V-46916
Sample name: CSP-1A
Sampling location: landfarm
Sampling hour: 15:30

Camping room	non: landiaim	Camping near. 16:66	
PO # 452511			
Lab method	Method reference		
	Method reference		
M-COV-1.0	MA.400-COV 1.1		

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Company: Agnico Eagle Division Meadowbank

Client: M. Stephane Robert Address: General Delivery

Baker Lake Nunavut X0C 0A0

Phone: (604) 677-0689 (--) Fax: (604) 677-0687

Lab number: V-46917

Sampling location: landfarm Sampling date: August 16, 2015

Sample name: CSP-1B Sampling hour: 15:30

Sampled by: Martin Theriault Date received: August 18, 2015

Matrix: Sediment

Drinking water distribution:

Reported on: August 26, 2015

Unless otherwise stated, all samples were received in acceptable condition.

Results relate only to the sample tested.

All samples will be disposed of after 30 days following analysis.

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

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Lab number: V-46917
Sample name: CSP-1B
Sampling location: landfarm
Sampling hour: 15:30
Sampling hour: 15:30

Parameter	Result	Method name	Analysis date
% of humidity	7.54 %	M-HUM-1.0	August 19, 2015
BTEX (S)		M-COV-1.0	
Benzene	<0.03(< A) mg/Kg	M-COV-1.0	August 19, 2015
- Toluene	<0.06(< A) mg/Kg	M-COV-1.0	August 19, 2015
Ethylbenzene	<0.06(< A) mg/Kg	M-COV-1.0	August 19, 2015
-Xylènes Totaux	<0.06(< A) mg/Kg	M-COV-1.0	August 19, 2015
Hydrocarbures (Fraction F1 (C6-C10))	<0.3 mg/Kg	M-COV-1.0	August 19, 2015
Hydrocarbures (Fraction F2 - F4	4))	Sous-traitance\Maxxam Analytics Inc	
- Petroleum Hydrocarbons F4 (C34-C50)	380 mg/Kg	Sous-traitance\Maxxam Analytics Inc	August 24, 2015
- Petroleum Hydrocarbons F3 (C16-C34)	2300 mg/Kg	Sous-traitance\Maxxam Analytics Inc	August 24, 2015
- Petroleum Hydrocarbons F2 (C10-C16)	350 mg/Kg	Sous-traitance\Maxxam Analytics Inc	August 24, 2015

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## **Quality control Report**

**Lab number:** V-46917
Sample name: CSP-1B
Sampling date: August 16, 2015

Sampling location: landfarm Sampling hour: 15:30

Parameter Benzene mg/kg Blank < 0.03 Standard name MR-COV-Solide Result 1.90 Accuracy 95% Limit 1.40 - 2.60 Ethylbenzene mg/kg Blank < 0.06 Standard name MR-COV-Solide Result 1.80 Accuracy 90% Limit 1.40 - 2.60 Hydrocarbures (Fraction F1 (C6-Blank < 0.3 -Xylènes Totaux mg/kg Blank < 0.06 Standard name MR-COV-Solide Result 5.80 Accuracy 96.7% Limit 4.20 - 7.80 - Toluene mg/kg Blank < 0.06 Standard name MR-COV-Solide Result 1.90 Accuracy 95% Limit 1.40 - 2.60

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## **Additional information**

Lab number: V-46917
Sample name: CSP-1B
Sampling location: landfarm
Sampling location: landfarm
Sampling hour: 15:30

Sampling loc	ation: landfarm	Sampling hour: 15:30
PO # 452511		
Lab method	Method reference	
M-COV-1.0	MA.400-COV 1.1	
100 00 1.0	W/A.400 CCV 1.1	

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Company: Agnico Eagle Division Meadowbank

Client: M. Stephane Robert Address: General Delivery

Baker Lake Nunavut X0C 0A0

Phone: (604) 677-0689 (--) Fax: (604) 677-0687

Lab number: V-46918

Sampling location: landfarm Sampling date: August 16, 2015

Sample name: CSP-2A Sampling hour: 15:30

Sampled by: Martin Theriault Date received: August 18, 2015

Matrix: Sediment

Drinking water distribution:

Reported on: August 26, 2015

Unless otherwise stated, all samples were received in acceptable condition.

Results relate only to the sample tested.

All samples will be disposed of after 30 days following analysis.

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Lab number: V-46918 Sample name: CSP-2A Sampling date: August 16, 2015 Sampling hour: 15:30 Sampling location: landfarm

Parameter	Result	Method name	Analysis date
% of humidity	7.32 %	M-HUM-1.0	August 19, 2015
BTEX (S)		M-COV-1.0	
Benzene	<0.03(< A) mg/Kg	M-COV-1.0	August 19, 2015
- Toluene	<0.06(< A) mg/Kg	M-COV-1.0	August 19, 2015
Ethylbenzene	<0.06(< A) mg/Kg	M-COV-1.0	August 19, 2015
-Xylènes Totaux	<0.06(< A) mg/Kg	M-COV-1.0	August 19, 2015
Hydrocarbures (Fraction F1 (C6-C10))	<0.3 mg/Kg	M-COV-1.0	August 19, 2015
Hydrocarbures (Fraction F2 - F	4))	Sous-traitance\Maxxam Analytics Inc	
- Petroleum Hydrocarbons F4 (C34-C50)	2400 mg/Kg	Sous-traitance\Maxxam Analytics Inc	August 24, 2015
- Petroleum Hydrocarbons F3 (C16-C34)	6200 mg/Kg	Sous-traitance\Maxxam Analytics Inc	August 24, 2015
- Petroleum Hydrocarbons F2 (C10-C16)	810 mg/Kg	Sous-traitance\Maxxam Analytics Inc	August 24, 2015

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## **Quality control Report**

**Lab number:** V-46918
Sample name: CSP-2A
Sampling date: August 16, 2015

Sampling location: landfarm Sampling hour: 15:30 Parameter Benzene mg/kg Blank < 0.03 Standard name MR-COV-Solide Result 1.90 Accuracy 95% Limit 1.40 - 2.60 Ethylbenzene mg/kg Blank < 0.06 Standard name MR-COV-Solide Result 1.80 Accuracy 90% Limit 1.40 - 2.60 Hydrocarbures (Fraction F1 (C6-Blank < 0.3 -Xylènes Totaux mg/kg Blank < 0.06 Standard name MR-COV-Solide Result 5.80 Accuracy 96.7% Limit 4.20 - 7.80 - Toluene mg/kg Blank < 0.06 Standard name MR-COV-Solide Result 1.90 Accuracy 95% Limit 1.40 - 2.60

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## **Additional information**

**Lab number:** V-46918
Sample name: CSP-2A
Sampling date: August 16, 2015

Sampling loca	ation: landfarm	Sampling hour: 15:30	
PO # 452511			
Lab method	Method reference		
M-COV-1.0	MA.400-COV 1.1		

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Company: Agnico Eagle Division Meadowbank

Client: M. Stephane Robert Address: General Delivery

Baker Lake Nunavut X0C 0A0

Phone: (604) 677-0689 (--) Fax: (604) 677-0687

Lab number: V-46919

Sampling location: landfarm Sampling date: August 16, 2015

Sample name: CSP-2B Sampling hour: 15:30

Sampled by: Martin Theriault Date received: August 18, 2015

Matrix: Sediment

Drinking water distribution:

Reported on: August 26, 2015

Unless otherwise stated, all samples were received in acceptable condition.

Results relate only to the sample tested.

All samples will be disposed of after 30 days following analysis.

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

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F-02-06



Lab number: V-46919
Sample name: CSP-2B
Sampling location: landfarm
Sampling hour: 15:30

Parameter	Result	Method name	Analysis date
% of humidity	10.0 %	M-HUM-1.0	August 19, 2015
BTEX (S)		M-COV-1.0	
Benzene	<0.03(< A) mg/Kg	M-COV-1.0	August 19, 2015
- Toluene	<0.06(< A) mg/Kg	M-COV-1.0	August 19, 2015
Ethylbenzene	<0.06(< A) mg/Kg	M-COV-1.0	August 19, 2015
-Xylènes Totaux	<0.06(< A) mg/Kg	M-COV-1.0	August 19, 2015
Hydrocarbures (Fraction F1 (C6-C10))	<0.3 mg/Kg	M-COV-1.0	August 19, 2015
Hydrocarbures (Fraction F2 - F	4))	Sous-traitance\Maxxam Analytics Inc	
- Petroleum Hydrocarbons F4 (C34-C50)	3100 mg/Kg	Sous-traitance\Maxxam Analytics Inc	August 24, 2015
- Petroleum Hydrocarbons F3 (C16-C34)	20000 mg/Kg	Sous-traitance\Maxxam Analytics Inc	August 24, 2015
- Petroleum Hydrocarbons F2 (C10-C16)	5600 mg/Kg	Sous-traitance\Maxxam Analytics Inc	August 24, 2015

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

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Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com



## **Quality control Report**

**Lab number:** V-46919
Sample name: CSP-2B
Sampling date: August 16, 2015

Sampling location: landfarm Sampling hour: 15:30

Parameter Benzene mg/kg Blank < 0.03 Standard name MR-COV-Solide Result 1.90 Accuracy 95% Limit 1.40 - 2.60 Ethylbenzene mg/kg Blank < 0.06 Standard name MR-COV-Solide Result 1.80 Accuracy 90% Limit 1.40 - 2.60 Hydrocarbures (Fraction F1 (C6-Blank < 0.3 -Xylènes Totaux mg/kg Blank < 0.06 Standard name MR-COV-Solide Result 5.80 Accuracy 96.7% Limit 4.20 - 7.80 - Toluene mg/kg Blank < 0.06 Standard name MR-COV-Solide Result 1.90 Accuracy 95% Limit 1.40 - 2.60

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

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F-02-06

Version 3<sup>ième</sup>: 26/10/2005



## **Additional information**

Lab number: V-46919
Sample name: CSP-2B
Sampling location: landfarm
Sampling location: landfarm
Sampling hour: 15:30

Sampling loca	ation: landfarm	Sampling hour: 15:30
PO # 452511		
Lab method	Method reference	
M-COV-1.0	MA.400-COV 1.1	

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

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F-02-06



Company: Agnico Eagle Division Meadowbank

Client: M. Stephane Robert Address: General Delivery

Baker Lake Nunavut X0C 0A0

Phone: (604) 677-0689 (--) Fax: (604) 677-0687

Lab number: V-46920

Sampling location: landfarm Sampling date: August 16, 2015

Sample name: CSP-3A Sampling hour: 15:30

Sampled by: Martin Theriault Date received: August 18, 2015

Matrix: Sediment

Drinking water distribution:

Reported on: August 26, 2015

Unless otherwise stated, all samples were received in acceptable condition.

Results relate only to the sample tested.

All samples will be disposed of after 30 days following analysis.

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

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F-02-06



Lab number:V-46920Sample name:CSP-3ASampling location:IandfarmIandfarmSampling hour:15:30

Parameter	Result	Method name	Analysis date
% of humidity	7.80 %	M-HUM-1.0	August 19, 2015
BTEX (S)		M-COV-1.0	
Benzene	<0.03(< A) mg/Kg	M-COV-1.0	August 19, 2015
- Toluene	<0.06(< A) mg/Kg	M-COV-1.0	August 19, 2015
Ethylbenzene	<0.06(< A) mg/Kg	M-COV-1.0	August 19, 2015
-Xylènes Totaux	<0.06(< A) mg/Kg	M-COV-1.0	August 19, 2015
Hydrocarbures (Fraction F1 (C6-C10))	<0.3 mg/Kg	M-COV-1.0	August 19, 2015
Hydrocarbures (Fraction F2 - F4))		Sous-traitance\Maxxam Analytics Inc	
- Petroleum Hydrocarbons F4 (C34-C50)	490 mg/Kg	Sous-traitance\Maxxam Analytics Inc	August 24, 2015
- Petroleum Hydrocarbons F3 (C16-C34)	4200 mg/Kg	Sous-traitance\Maxxam Analytics Inc	August 24, 2015
- Petroleum Hydrocarbons F2 (C10-C16)	670 mg/Kg	Sous-traitance\Maxxam Analytics Inc	August 24, 2015

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

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E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com



Parameter

- Toluene mg/kg

## **Quality control Report**

Lab number: V-46920
Sample name: CSP-3A
Sampling location: landfarm
Sampling hour: 15:30
Sampling hour: 15:30

Benzene mg/kg Blank < 0.03 Standard name MR-COV-Solide Result 1.90 Accuracy 95% Limit 1.40 - 2.60 Ethylbenzene mg/kg Blank < 0.06 Standard name MR-COV-Solide Result 1.80 Accuracy 90% Limit 1.40 - 2.60 Hydrocarbures (Fraction F1 (C6-Blank < 0.3 -Xylènes Totaux mg/kg Blank < 0.06 Standard name MR-COV-Solide

Result 5.80
Accuracy 96.7%
Limit 4.20 - 7.80
Blank < 0.06

Standard name MR-COV-Solide

Result 1.90 Accuracy 95%

Limit 1.40 - 2.60

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

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## **Additional information**

Lab number: V-46920
Sample name: CSP-3A
Sampling location: landfarm
Sampling hour: 15:30

PO # 452511

Lab method Method reference

M-COV-1.0 MA.400-COV 1.1

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

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Company: Agnico Eagle Division Meadowbank

Client: M. Stephane Robert Address: General Delivery

Baker Lake Nunavut X0C 0A0

Phone: (604) 677-0689 (--) Fax: (604) 677-0687

Lab number: V-46921

Sampling location: landfarm Sampling date: August 16, 2015

Sample name: CSP-3B Sampling hour: 15:30

Sampled by: Martin Theriault Date received: August 18, 2015

Matrix: Sediment

Drinking water distribution:

Reported on: August 26, 2015

Unless otherwise stated, all samples were received in acceptable condition.

Results relate only to the sample tested.

All samples will be disposed of after 30 days following analysis.

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

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F-02-06



Lab number:V-46921Sample name:CSP-3BSampling location:IandfarmIandfarmSampling hour:15:30

Parameter	Result	Method name	Analysis date
% of humidity	8.13 %	M-HUM-1.0	August 19, 2015
BTEX (S)		M-COV-1.0	
Benzene	<0.03(< A) mg/Kg	M-COV-1.0	August 19, 2015
- Toluene	<0.06(< A) mg/Kg	M-COV-1.0	August 19, 2015
Ethylbenzene	<0.06(< A) mg/Kg	M-COV-1.0	August 19, 2015
-Xylènes Totaux	<0.06(< A) mg/Kg	M-COV-1.0	August 19, 2015
Hydrocarbures (Fraction F1 (C6-C10))	<0.3 mg/Kg	M-COV-1.0	August 19, 2015
Hydrocarbures (Fraction F2 - F4))		Sous-traitance\Maxxam Analytics Inc	
- Petroleum Hydrocarbons F4 (C34-C50)	530 mg/Kg	Sous-traitance\Maxxam Analytics Inc	August 24, 2015
- Petroleum Hydrocarbons F3 (C16-C34)	3500 mg/Kg	Sous-traitance\Maxxam Analytics Inc	August 24, 2015
- Petroleum Hydrocarbons F2 (C10-C16)	920 mg/Kg	Sous-traitance\Maxxam Analytics Inc	August 24, 2015

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F-02-06 Version 3<sup>ième</sup>: 26/10/2005 Page 2 of 4



**Lab number:** V-46921 Sample name: CSP-3B Sampling date: August 16, 2015

Sampling location: landfarm Sampling hour: 15:30

Parameter Benzene mg/kg Blank < 0.03 Standard name MR-COV-Solide Result 1.80 Accuracy 90% Limit 1.40 - 2.60 Ethylbenzene mg/kg Blank < 0.06 Standard name MR-COV-Solide Result 1.80 Accuracy 90% Limit 1.40 - 2.60 Hydrocarbures (Fraction F1 (C6-Blank < 0.3 -Xylènes Totaux mg/kg Blank < 0.06 Standard name MR-COV-Solide Result 5.60 Accuracy 93.3% Limit 4.20 - 7.80 - Toluene mg/kg Blank < 0.06 Standard name MR-COV-Solide Result 1.80 Accuracy 90% Limit 1.40 - 2.60

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

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F-02-06



Lab number:V-46921Sample name:CSP-3BSampling date:August 16, 2015

Sampling loca	ation: iangtarm	Sampling nour: 15:30	
PO # 452511			_
Lab method	Method reference		
Lab money			
M-COV-1.0	MA.400-COV 1.1		

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

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Version 3<sup>ième</sup>: 26/10/2005



Company: Agnico Eagle Division Meadowbank

Client: M. Stephane Robert Address: General Delivery

Baker Lake Nunavut X0C 0A0

Phone: (604) 677-0689 (--) Fax: (604) 677-0687

Lab number: V-46922

Sampling location: landfarm Sampling date: August 16, 2015

Sample name: CSP-4 Sampling hour: 15:30

Sampled by: Martin Theriault Date received: August 18, 2015

Matrix: Sediment

Drinking water distribution:

Reported on: August 26, 2015

Unless otherwise stated, all samples were received in acceptable condition.

Results relate only to the sample tested.

All samples will be disposed of after 30 days following analysis.

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

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F-02-06



Lab number:V-46922Sample name:CSP-4Sampling location:IandfarmIandfarmSampling hour:15:30

Parameter	Result	Method name	Analysis date
% of humidity	8.18 %	M-HUM-1.0	August 19, 2015
BTEX (S)		M-COV-1.0	
Benzene	<0.03(< A) mg/Kg	M-COV-1.0	August 19, 2015
- Toluene	<0.06(< A) mg/Kg	M-COV-1.0	August 19, 2015
Ethylbenzene	<0.06(< A) mg/Kg	M-COV-1.0	August 19, 2015
-Xylènes Totaux	<0.06(< A) mg/Kg	M-COV-1.0	August 19, 2015
Hydrocarbures (Fraction F1 (C6-C10))	<0.3 mg/Kg	M-COV-1.0	August 19, 2015
Hydrocarbures (Fraction F2 - F	4))	Sous-traitance\Maxxam Analytics Inc	
- Petroleum Hydrocarbons F4 (C34-C50)	<50 mg/Kg	Sous-traitance\Maxxam Analytics Inc	August 24, 2015
- Petroleum Hydrocarbons F3 (C16-C34)	320 mg/Kg	Sous-traitance\Maxxam Analytics Inc	August 24, 2015
- Petroleum Hydrocarbons F2 (C10-C16)	840 mg/Kg	Sous-traitance\Maxxam Analytics Inc	August 24, 2015

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J9P 1B9 Téléphone : (819) 874-0350 Fax / Téléc: (819) 874-0360 E-mail: valdor@multilab-direct.com Site web: www.multilab-direct.com



Lab number: V-46922 Sample name: CSP-4

Sampling date: August 16, 2015

Sampling hour: 15:30

Sampling location: landfarm Parameter Benzene mg/kg Blank < 0.03 Standard name MR-COV-Solide Result 1.80 Accuracy 90% Limit 1.40 - 2.60 Ethylbenzene mg/kg Blank < 0.06 Standard name MR-COV-Solide Result 1.80 Accuracy 90% Limit 1.40 - 2.60 Hydrocarbures (Fraction F1 (C6-Blank < 0.3 -Xylènes Totaux mg/kg Blank < 0.06 Standard name MR-COV-Solide Result 5.60 Accuracy 93.3% Limit 4.20 - 7.80 - Toluene mg/kg Blank < 0.06 Standard name MR-COV-Solide Result 1.80 Accuracy 90% Limit 1.40 - 2.60

> Sauf indication contraire, tous les échantillons ont été reçus en bon état. This report shall not be reproduced except in full without the written authority of the laboratory.

> > F-02-06



Lab number: V-46922
Sample name: CSP-4
Sampling location: landfarm
Sampling hour: 15:30

PO # 452511		
Lab method	Method reference	<b>=</b>
M-COV-1.0	MA.400-COV 1.1	

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

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Company: Agnico Eagle Division Meadowbank

Client: M. Stephane Robert Address: General Delivery

Baker Lake Nunavut X0C 0A0

Phone: (604) 677-0689 (--) Fax: (604) 677-0687

Lab number: V-46923

Sampling location: landfarm Sampling date: August 16, 2015

Sample name: CSP-5A Sampling hour: 15:30

Sampled by: Martin Theriault Date received: August 18, 2015

Matrix: Sediment

Drinking water distribution:

Reported on: August 26, 2015

Unless otherwise stated, all samples were received in acceptable condition.

Results relate only to the sample tested.

All samples will be disposed of after 30 days following analysis.

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

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Lab number: V-46923 Sample name: CSP-5A Sampling date: August 16, 2015 Sampling hour: 15:30 Sampling location: landfarm

Parameter	Result	Method name	Analysis date
% of humidity	8.79 %	M-HUM-1.0	August 19, 2015
BTEX (S)		M-COV-1.0	
Benzene	<0.03(< A) mg/Kg	M-COV-1.0	August 19, 2015
- Toluene	<0.06(< A) mg/Kg	M-COV-1.0	August 19, 2015
Ethylbenzene	<0.06(< A) mg/Kg	M-COV-1.0	August 19, 2015
-Xylènes Totaux	<0.06(< A) mg/Kg	M-COV-1.0	August 19, 2015
Hydrocarbures (Fraction F1 (C6-C10))	<0.3 mg/Kg	M-COV-1.0	August 19, 2015
Hydrocarbures (Fraction F2 - F	4))	Sous-traitance\Maxxam Analytics Inc	
- Petroleum Hydrocarbons F4 (C34-C50)	720 mg/Kg	Sous-traitance\Maxxam Analytics Inc	August 24, 2015
- Petroleum Hydrocarbons F3 (C16-C34)	5200 mg/Kg	Sous-traitance\Maxxam Analytics Inc	August 24, 2015
- Petroleum Hydrocarbons F2 (C10-C16)	260 mg/Kg	Sous-traitance\Maxxam Analytics Inc	August 24, 2015

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900, 5ième avenue Page 2 of 4

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Parameter

## **Quality control Report**

**Lab number:** V-46923 Sample name: CSP-5A Sampling date: August 16, 2015

Sampling hour: 15:30

Benzene mg/kg

Standard name MR-COV-Solide

Result 1.80

Accuracy 90%

Limit 1.40 - 2.60

Ethylbenzene mg/kg

Blank <0.06

Standard name MR-COV-Solide

Result 1.80

Accuracy 90%

Limit 1.40 - 2.60

Hydrocarbures (Fraction F1 (C6- Blank <0.3

Hydrocarbures (Fraction F1 (C6- Blank <0.3 -Xylènes Totaux mg/kg Blank <0.06 Standard name MR-COV-Solid

Sampling location: landfarm

Standard name MR-COV-Solide Result 5.60 Accuracy 93.3%

Limit 4.20 - 7.80
- Toluene mg/kg

Blank <0.06

Standard name MR-COV-Solide Result 1.80 Accuracy 90%

Limit 1.40 - 2.60

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

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F-02-06



**Lab number:** V-46923
Sample name: CSP-5A
Sampling date: August 16, 2015

Sampling loca	ation: iangtarm	Sampling nour: 15:30	
PO # 452511			_
Lab method	Method reference		
Lab money			
M-COV-1.0	MA.400-COV 1.1		

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

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Company: Agnico Eagle Division Meadowbank

Client: M. Stephane Robert Address: General Delivery

Baker Lake Nunavut X0C 0A0

Phone: (604) 677-0689 (--) Fax: (604) 677-0687

Lab number: V-46924

Sampling location: landfarm Sampling date: August 16, 2015

Sample name: CSP-5B Sampling hour: 15:30

Sampled by: Martin Theriault Date received: August 18, 2015

Matrix: Sediment

Drinking water distribution:

Reported on: August 26, 2015

Unless otherwise stated, all samples were received in acceptable condition.

Results relate only to the sample tested.

All samples will be disposed of after 30 days following analysis.

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

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Lab number:V-46924Sample name:CSP-5BSampling location:IandfarmIandfarmSampling hour:15:30

Parameter	Result	Method name	Analysis date
% of humidity	6.95 %	M-HUM-1.0	August 19, 2015
BTEX (S)		M-COV-1.0	
Benzene	<0.03(< A) mg/Kg	M-COV-1.0	August 19, 2015
- Toluene	<0.06(< A) mg/Kg	M-COV-1.0	August 19, 2015
Ethylbenzene	<0.06(< A) mg/Kg	M-COV-1.0	August 19, 2015
-Xylènes Totaux	<0.06(< A) mg/Kg	M-COV-1.0	August 19, 2015
Hydrocarbures (Fraction F1 (C6-C10))	<0.3 mg/Kg	M-COV-1.0	August 19, 2015
Hydrocarbures (Fraction F2 - F	4))	Sous-traitance\Maxxam Analytics Inc	
- Petroleum Hydrocarbons F4 (C34-C50)	1600 mg/Kg	Sous-traitance\Maxxam Analytics Inc	August 24, 2015
- Petroleum Hydrocarbons F3 (C16-C34)	13000 mg/Kg	Sous-traitance\Maxxam Analytics Inc	August 24, 2015
- Petroleum Hydrocarbons F2 (C10-C16)	2000 mg/Kg	Sous-traitance\Maxxam Analytics Inc	August 24, 2015

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F-02-06 Version 3<sup>ième</sup>: 26/10/2005 Page 2 of 4



Lab number: V-46924 Sample name: CSP-5B

Sampling date: August 16, 2015

Sampling hour: 15:30

Sampling location: landfarm Parameter Benzene mg/kg Blank < 0.03 Standard name MR-COV-Solide Result 1.80 Accuracy 90% Limit 1.40 - 2.60 Ethylbenzene mg/kg Blank < 0.06 Standard name MR-COV-Solide Result 1.80 Accuracy 90% Limit 1.40 - 2.60 Hydrocarbures (Fraction F1 (C6-Blank < 0.3 -Xylènes Totaux mg/kg Blank < 0.06 Standard name MR-COV-Solide Result 5.60 Accuracy 93.3% Limit 4.20 - 7.80 - Toluene mg/kg Blank < 0.06 Standard name MR-COV-Solide Result 1.80 Accuracy 90% Limit 1.40 - 2.60

> Sauf indication contraire, tous les échantillons ont été reçus en bon état. This report shall not be reproduced except in full without the written authority of the laboratory.

> > F-02-06

Version 3<sup>ième</sup>: 26/10/2005



Lab number: V-46924
Sample name: CSP-5B
Sampling location: landfarm
Sampling location: landfarm
Sampling hour: 15:30

Sampling loca	illon. ianutann	Sampling nour. 15.50
PO # 452511		
Lab method	Method reference	
M-COV-1.0	MA.400-COV 1.1	

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

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Version 3<sup>ième</sup>: 26/10/2005



Company: Agnico Eagle Division Meadowbank

Client: M. Stephane Robert Address: General Delivery

Baker Lake Nunavut X0C 0A0

Phone: (604) 677-0689 (--) Fax: (604) 677-0687

Lab number: V-46925

Sampling location: landfarm Sampling date: August 16, 2015

Sample name: CSP-5C Sampling hour: 15:30

Sampled by: Martin Theriault Date received: August 18, 2015

Matrix: Sediment

Drinking water distribution:

Reported on: August 26, 2015

Unless otherwise stated, all samples were received in acceptable condition.

Results relate only to the sample tested.

All samples will be disposed of after 30 days following analysis.

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

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F-02-06

Version 3<sup>ième</sup>: 26/10/2005

900, 5ième avenue



Lab number:V-46925Sample name:CSP-5CSampling location:IandfarmIandfarmSampling hour:15:30

Parameter	Result	Method name	Analysis date
% of humidity	9.43 %	M-HUM-1.0	August 19, 2015
BTEX (S)		M-COV-1.0	
Benzene	<0.03(< A) mg/Kg	M-COV-1.0	August 19, 2015
- Toluene	<0.06(< A) mg/Kg	M-COV-1.0	August 19, 2015
Ethylbenzene	<0.06(< A) mg/Kg	M-COV-1.0	August 19, 2015
-Xylènes Totaux	<0.06(< A) mg/Kg	M-COV-1.0	August 19, 2015
Hydrocarbures (Fraction F1 (C6-C10))	<0.3 mg/Kg	M-COV-1.0	August 19, 2015
Hydrocarbures (Fraction F2 - Fa	4))	Sous-traitance\Maxxam Analytics Inc	
- Petroleum Hydrocarbons F4 (C34-C50)	350 mg/Kg	Sous-traitance\Maxxam Analytics Inc	August 24, 2015
- Petroleum Hydrocarbons F3 (C16-C34)	1500 mg/Kg	Sous-traitance\Maxxam Analytics Inc	August 24, 2015
- Petroleum Hydrocarbons F2 (C10-C16)	38 mg/Kg	Sous-traitance\Maxxam Analytics Inc	August 24, 2015

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J9P 1B9 Téléphone : (819) 874-0350 Fax / Téléc: (819) 874-0360 E-mail: valdor@multilab-direct.com Site web: www.multilab-direct.com



**Lab number:** V-46925 Sample name: CSP-5C Sampling date: August 16, 2015

Sampling location: landfarm Sampling hour: 15:30

Parameter Benzene mg/kg Blank < 0.03 Standard name MR-COV-Solide Result 1.80 Accuracy 90% Limit 1.40 - 2.60 Ethylbenzene mg/kg Blank < 0.06 Standard name MR-COV-Solide Result 1.80 Accuracy 90% Limit 1.40 - 2.60 Hydrocarbures (Fraction F1 (C6-Blank < 0.3 -Xylènes Totaux mg/kg Blank < 0.06 Standard name MR-COV-Solide Result 5.60 Accuracy 93.3% Limit 4.20 - 7.80 - Toluene mg/kg Blank < 0.06 Standard name MR-COV-Solide Result 1.80 Accuracy 90% Limit 1.40 - 2.60

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

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F-02-06



Lab number: V-46925
Sample name: CSP-5C
Sampling location: landfarm
Sampling hour: 15:30

Camping room	non: landiaim	Camping near. 16:66	
PO # 452511			
Lab method	Method reference		
	Method reference		
M-COV-1.0	MA.400-COV 1.1		

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

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F-02-06

Version 3<sup>ième</sup>: 26/10/2005

900, 5ième avenue



Company: Agnico Eagle Division Meadowbank

Client: M. Stephane Robert Address: General Delivery

Baker Lake Nunavut X0C 0A0

Phone: (604) 677-0689 (--) Fax: (604) 677-0687

Lab number: V-46926

Sampling location: landfarm Sampling date: August 16, 2015

Sample name: CSP-5D Sampling hour: 15:30

Sampled by: Martin Theriault Date received: August 18, 2015

Matrix: Sediment

Drinking water distribution:

Reported on: August 26, 2015

Unless otherwise stated, all samples were received in acceptable condition.

Results relate only to the sample tested.

All samples will be disposed of after 30 days following analysis.

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

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F-02-06



Lab number:V-46926Sample name:CSP-5DSampling location:IandfarmIandfarmSampling hour:15:30

Parameter	Result	Method name	Analysis date
% of humidity	6.09 %	M-HUM-1.0	August 19, 2015
BTEX (S)		M-COV-1.0	
Benzene	<0.03(< A) mg/Kg	M-COV-1.0	August 19, 2015
- Toluene	<0.06(< A) mg/Kg	M-COV-1.0	August 19, 2015
Ethylbenzene	<0.06(< A) mg/Kg	M-COV-1.0	August 19, 2015
-Xylènes Totaux	<0.06(< A) mg/Kg	M-COV-1.0	August 19, 2015
Hydrocarbures (Fraction F1 (C6-C10))	<0.3 mg/Kg	M-COV-1.0	August 19, 2015
Hydrocarbures (Fraction F2 - F	4))	Sous-traitance\Maxxam Analytics Inc	
- Petroleum Hydrocarbons F4 (C34-C50)	1600 mg/Kg	Sous-traitance\Maxxam Analytics Inc	August 24, 2015
- Petroleum Hydrocarbons F3 (C16-C34)	7300 mg/Kg	Sous-traitance\Maxxam Analytics Inc	August 24, 2015
- Petroleum Hydrocarbons F2 (C10-C16)	640 mg/Kg	Sous-traitance\Maxxam Analytics Inc	August 24, 2015

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

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**Lab number:** V-46926 Sample name: CSP-5D Sampling date: August 16, 2015

Sampling location: landfarm Sampling hour: 15:30 Parameter Benzene mg/kg Blank < 0.03 Standard name MR-COV-Solide Result 1.80 Accuracy 90% Limit 1.40 - 2.60 Ethylbenzene mg/kg Blank < 0.06 Standard name MR-COV-Solide Result 1.80 Accuracy 90% Limit 1.40 - 2.60 Hydrocarbures (Fraction F1 (C6-Blank < 0.3 -Xylènes Totaux mg/kg Blank < 0.06 Standard name MR-COV-Solide Result 5.60 Accuracy 93.3% Limit 4.20 - 7.80 - Toluene mg/kg Blank < 0.06 Standard name MR-COV-Solide Result 1.80 Accuracy 90% Limit 1.40 - 2.60

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

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F-02-06

Version 3<sup>ième</sup>: 26/10/2005



Lab number: V-46926
Sample name: CSP-5D
Sampling location: landfarm
Sampling hour: 15:30

Sampling loca	ation: landfarm	Sampling hour: 15:30
PO # 452511		
Labaratha d	Mathadasfara	
Lab method	Method reference	
M-COV-1.0	MA.400-COV 1.1	
IVI-COV-1.0	MA.400-COV 1.1	

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

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F-02-06

Version 3<sup>ième</sup>: 26/10/2005

900, 5ième avenue



Company: Agnico Eagle Division Meadowbank

Client: M. Stephane Robert Address: General Delivery

Baker Lake Nunavut X0C 0A0

Phone: (604) 677-0689 (--) Fax: (604) 677-0687

Lab number: V-46927

Sampling location: landfarm Sampling date: August 16, 2015

Sample name: CSP-6A Sampling hour: 15:30

Sampled by: Martin Theriault Date received: August 18, 2015

Matrix: Sediment

Drinking water distribution:

Reported on: August 26, 2015

Unless otherwise stated, all samples were received in acceptable condition.

Results relate only to the sample tested.

All samples will be disposed of after 30 days following analysis.

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

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F-02-06

Version 3<sup>ième</sup>: 26/10/2005

900, 5ième avenue



Lab number:V-46927Sample name:CSP-6ASampling location:IandfarmIandfarmSampling hour:15:30

Parameter	Result	Method name	Analysis date
% of humidity	8.43 %	M-HUM-1.0	August 19, 2015
BTEX (S)		M-COV-1.0	
Benzene	<0.03(< A) mg/Kg	M-COV-1.0	August 19, 2015
- Toluene	<0.06(< A) mg/Kg	M-COV-1.0	August 19, 2015
Ethylbenzene	<0.06(< A) mg/Kg	M-COV-1.0	August 19, 2015
-Xylènes Totaux	<0.06(< A) mg/Kg	M-COV-1.0	August 19, 2015
Hydrocarbures (Fraction F1 (C6-C10))	<0.3 mg/Kg	M-COV-1.0	August 19, 2015
Hydrocarbures (Fraction F2 - F	4))	Sous-traitance\Maxxam Analytics Inc	
- Petroleum Hydrocarbons F4 (C34-C50)	79 mg/Kg	Sous-traitance\Maxxam Analytics Inc	August 24, 2015
- Petroleum Hydrocarbons F3 (C16-C34)	620 mg/Kg	Sous-traitance\Maxxam Analytics Inc	August 24, 2015
- Petroleum Hydrocarbons F2 (C10-C16)	<10 mg/Kg	Sous-traitance\Maxxam Analytics Inc	August 24, 2015

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

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900, 5ième avenue Val d'Or (Québec) J9P 1B9

J9P 1B9
Téléphone : (819) 874-0350
Fax / Téléc: (819) 874-0360
E-mail: valdor@multilab-direct.com
Site web: www.multilab-direct.com



**Lab number:** V-46927 Sample name: CSP-6A Sampling date: August 16, 2015

Sampling location: landfarm Sampling hour: 15:30 Parameter Benzene mg/kg Blank < 0.03 Standard name MR-COV-Solide Result 1.80 Accuracy 90% Limit 1.40 - 2.60 Ethylbenzene mg/kg Blank < 0.06 Standard name MR-COV-Solide Result 1.80 Accuracy 90% Limit 1.40 - 2.60 Hydrocarbures (Fraction F1 (C6-Blank < 0.3 -Xylènes Totaux mg/kg Blank < 0.06 Standard name MR-COV-Solide Result 5.60 Accuracy 93.3% Limit 4.20 - 7.80 - Toluene mg/kg Blank < 0.06 Standard name MR-COV-Solide Result 1.80 Accuracy 90% Limit 1.40 - 2.60

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

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F-02-06

Version 3<sup>ième</sup>: 26/10/2005



Lab number: V-46927
Sample name: CSP-6A
Sampling location: landfarm
Sampling hour: 15:30

Camping roca	dom landiami	Gamping near: 10:00	
PO # 452511			
Lab method	Method reference		
M-COV-1.0	MA.400-COV 1.1		

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

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F-02-06



Company: Agnico Eagle Division Meadowbank

Client: M. Stephane Robert Address: General Delivery

Baker Lake Nunavut X0C 0A0

Phone: (604) 677-0689 (--) Fax: (604) 677-0687

Lab number: V-46928

Sampling location: landfarm Sampling date: August 16, 2015

Sample name: CSP-6B Sampling hour: 15:30

Sampled by: Martin Theriault Date received: August 18, 2015

Matrix: Sediment

Drinking water distribution:

Reported on: August 26, 2015

Unless otherwise stated, all samples were received in acceptable condition.

Results relate only to the sample tested.

All samples will be disposed of after 30 days following analysis.

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

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F-02-06



Lab number:V-46928Sample name:CSP-6BSampling location:IandfarmIandfarmIandfarm
Sampling date: August 16, 2015
Sampling hour: 15:30

Parameter	Result	Method name	Analysis date
% of humidity	6.96 %	M-HUM-1.0	August 19, 2015
BTEX (S)		M-COV-1.0	
Benzene	<0.03(< A) mg/Kg	M-COV-1.0	August 19, 2015
- Toluene	<0.06(< A) mg/Kg	M-COV-1.0	August 19, 2015
Ethylbenzene	<0.06(< A) mg/Kg	M-COV-1.0	August 19, 2015
-Xylènes Totaux	<0.06(< A) mg/Kg	M-COV-1.0	August 19, 2015
Hydrocarbures (Fraction F1 (C6-C10))	<0.3 mg/Kg	M-COV-1.0	August 19, 2015
Hydrocarbures (Fraction F2 - F	4))	Sous-traitance\Maxxam Analytics Inc	
- Petroleum Hydrocarbons F4 (C34-C50)	200 mg/Kg	Sous-traitance\Maxxam Analytics Inc	August 24, 2015
- Petroleum Hydrocarbons F3 (C16-C34)	1200 mg/Kg	Sous-traitance\Maxxam Analytics Inc	August 24, 2015
- Petroleum Hydrocarbons F2 (C10-C16)	200 mg/Kg	Sous-traitance\Maxxam Analytics Inc	August 24, 2015

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

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**Lab number:** V-46928
Sample name: CSP-6B
Sampling date: August 16, 2015

Sampling location: landfarm Sampling hour: 15:30

Parameter Benzene mg/kg Blank < 0.03 Standard name MR-COV-Solide Result 1.80 Accuracy 90% Limit 1.40 - 2.60 Ethylbenzene mg/kg Blank < 0.06 Standard name MR-COV-Solide Result 1.80 Accuracy 90% Limit 1.40 - 2.60 Hydrocarbures (Fraction F1 (C6-Blank < 0.3 -Xylènes Totaux mg/kg Blank < 0.06 Standard name MR-COV-Solide Result 5.60 Accuracy 93.3% Limit 4.20 - 7.80 - Toluene mg/kg Blank < 0.06 Standard name MR-COV-Solide Result 1.80 Accuracy 90% Limit 1.40 - 2.60

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

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Version 3<sup>ième</sup>: 26/10/2005



Lab number: V-46928
Sample name: CSP-6B
Sampling location: landfarm
Sampling hour: 15:30

PO # 452511			
Lab method	Method reference	=	
M-COV-1.0	MA.400-COV 1.1		

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Version 3<sup>ième</sup>: 26/10/2005



Company: Agnico Eagle Division Meadowbank

Client: M. Stephane Robert Address: General Delivery

Baker Lake Nunavut X0C 0A0

Phone: (604) 677-0689 (--) Fax: (604) 677-0687

Lab number: V-46929

Sampling location: landfarm Sampling date: August 16, 2015

Sample name: DUP-1 Sampling hour: 15:30

Sampled by: Martin Theriault Date received: August 18, 2015

Matrix: Sediment

Drinking water distribution:

Reported on: August 26, 2015

Unless otherwise stated, all samples were received in acceptable condition.

Results relate only to the sample tested.

All samples will be disposed of after 30 days following analysis.

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

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Version 3<sup>ième</sup>: 26/10/2005

900, 5ième avenue



Lab number:V-46929Sample name:DUP-1Sampling location:IandfarmIandfarmSampling hour:15:30

Parameter	Result	Method name	Analysis date
% of humidity	6.55 %	M-HUM-1.0	August 19, 2015
BTEX (S)		M-COV-1.0	
Benzene	<0.03(< A) mg/Kg	M-COV-1.0	August 19, 2015
- Toluene	<0.06(< A) mg/Kg	M-COV-1.0	August 19, 2015
Ethylbenzene	<0.06(< A) mg/Kg	M-COV-1.0	August 19, 2015
-Xylènes Totaux	<0.06(< A) mg/Kg	M-COV-1.0	August 19, 2015
Hydrocarbures (Fraction F1 (C6-C10))	<0.3 mg/Kg	M-COV-1.0	August 19, 2015
Hydrocarbures (Fraction F2 - F	4))	Sous-traitance\Maxxam Analytics Inc	
- Petroleum Hydrocarbons F4 (C34-C50)	1800 mg/Kg	Sous-traitance\Maxxam Analytics Inc	August 24, 2015
- Petroleum Hydrocarbons F3 (C16-C34)	8400 mg/Kg	Sous-traitance\Maxxam Analytics Inc	August 24, 2015
- Petroleum Hydrocarbons F2 (C10-C16)	750 mg/Kg	Sous-traitance\Maxxam Analytics Inc	August 24, 2015

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J9P 189 Téléphone : (819) 874-0350 Fax / Téléc: (819) 874-0360 E-mail: valdor@multilab-direct.com Site web: www.multilab-direct.com



Lab number: V-46929 Sample name: DUP-1

Sampling date: August 16, 2015

Sampling hour: 15:30

Sampling location: landfarm Parameter Benzene mg/kg Blank < 0.03 Standard name MR-COV-Solide Result 1.80 Accuracy 90% Limit 1.40 - 2.60 Ethylbenzene mg/kg Blank < 0.06 Standard name MR-COV-Solide Result 1.80 Accuracy 90% Limit 1.40 - 2.60 Hydrocarbures (Fraction F1 (C6-Blank < 0.3 -Xylènes Totaux mg/kg Blank < 0.06 Standard name MR-COV-Solide Result 5.60 Accuracy 93.3% Limit 4.20 - 7.80 - Toluene mg/kg Blank < 0.06 Standard name MR-COV-Solide Result 1.80 Accuracy 90% Limit 1.40 - 2.60

> Sauf indication contraire, tous les échantillons ont été reçus en bon état. This report shall not be reproduced except in full without the written authority of the laboratory.

> > F-02-06



Lab number: V-46929
Sample name: DUP-1
Sampling location: landfarm
Sampling hour: 15:30
Sampling hour: 15:30

Camping roca	dom landiami	Gamping near: 10:00	
PO # 452511			
Lab method	Method reference		
M-COV-1.0	MA.400-COV 1.1		

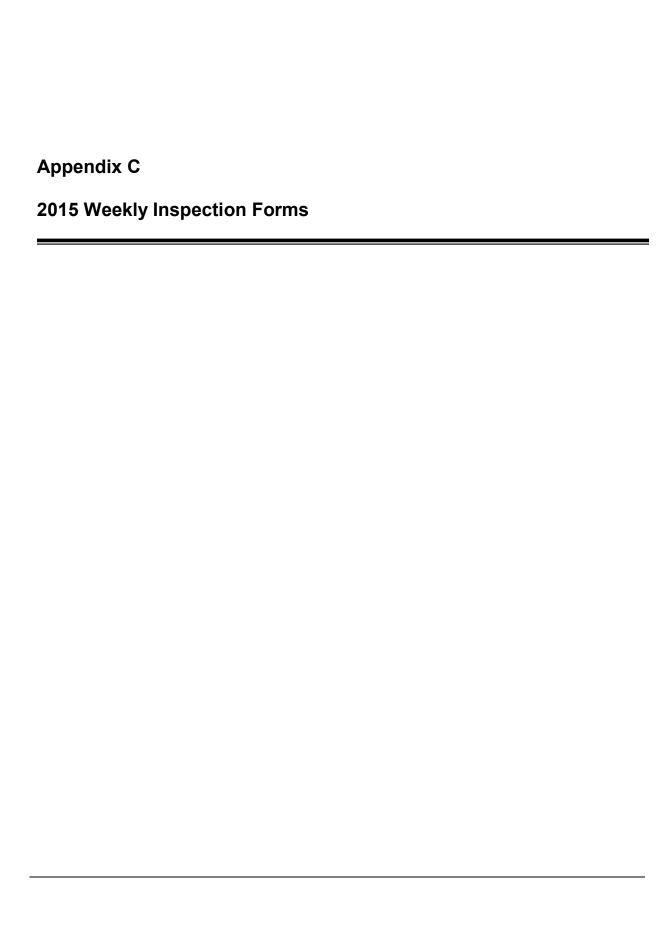
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F-02-06

Version 3<sup>ième</sup>: 26/10/2005

900, 5ième avenue



## Agnico Eagle Mines: Meadowbank Division Environment Department



#### **Environmental Inspection Report for the Meadowbank Landfarm**

Date: 2015-01-06 Inspected By: Tom Thomson

Location: Landfarm 11:30am Weekly Inspection

In Compliance with	Subject	Conform	Non- conform	N/A	Commnets
NWB Part B Item 15	Sign posted to inform of a waste disposal facility in English, French, and Inuktitut.	Х			
NWB Part D Item 29 MBK SCP NIRB Condition 26	Are there any visual spills that can enter any water body?	X			
NWB Part F Item 6 and Item 8	Does the water need to be pumped? If yes, estimated volume in m <sup>3</sup> , analyse water and 10 days notification give to NWB?			X	
NWB Part F Item 9 NIRB Condition 12	Discharge of water >30m from ordinary high water mark			Х	
NWB Part F Item 9 NIRB Condition 12	Discharge of water not causing erosion			Х	
NWB Part F Item 9 NIRB Condition 12	Discharge of water not directly flowing to water body			X	
NWB Part F Item 19 NIRB Condition 12	Waste disposal area >30 m from high water mark	X			
NWB Part I Item 9	Monitoring signs are posted in English, French, and Inuktitut.	X			
NWB Part F Item 14 NIRB Condition 27	No hazardous waste present - All Hazardous waste generated is sent off site to an approved disposal facility (except contaminated soil)	X			
NIRB Condition 26	Ensure that spills, if any, are cleaned up	Х			



	immediately and that			
	the site is kept clean of			
	debris, including wind-			
	blown debris.			
	Visual sign of runoff or seepage. If so, record			
NWB Part I Item	and report the	X		
10 and 15	observation and the			
	flow.			
NWB Part I Item	Annual Geotechnical	X		Sept 2014
12.	inspection completed.	71		Sept 2011
	Date?			
Landfarm	Maximum windrow size			
Design and	was 15 m wide at base x	X		
Management	4 m high x 50 m long	71		
Plan	8 8			
Landfarm	Larger coarse material			
Design and	(> 1") was separated	X		
Management Plan	from the finer material			
1 1011	A record is kept for the			
Landfarm	amount of	**		
Design and	contaminated soil	X		
Management	placed in the landfarm			
Plan	and the location of each			
	load within the facility.			
Landfarm	Does new contaminated			
Design and	soil was bringing to	X		
Management	Landfarm without			
Plan	authorization? If so, estimated quantity.			
	A record is kept for the			
Landfarm	amount of remediated			
Design and	contaminated soil,	X		
Management Plan	disposal location and			
Plan	usage.			
Landfarm	Does some pile are			
Design and	remediated and ready		X	
Management	to remove from		A	
Plan	landfarm (respect GN			
	guideline)? Soil mixed mechanically		+	
Landfarm	with earth-moving			
Design and	equipment (2-4 times		X	
Management	per year, during the			
Plan	summer months).			
	Date?			
Landfarm	Does the windrow are			
Design and	dry prior to turning? If		X	
Management	yes, we need to		<b>A</b>	
Plan	moisture the pile.		+	
Landfarm	Soil treatment with sewage sludge as			
Design and	nutrient supplement, at		X	
Management	least once during			
Plan	summer on selected			
	windrows.			
L			 1	



Landfarm Design and Management Plan	Windrows sampled annually at the end of the summer season. See section 4.6.2 for sampling procedure.	X		
Landfarm Design and Management Plan	Coarse-grained material assessed near the end of the summer season for PHC product and odour. PHC odours are no longer detected? If yes, removed to the PRSF and disposed of as PAG material.	X		
Landfarm Design and Management Plan	Does non-contaminated snow need to be removed?	X		
Landfarm Design and Management Plan	Inspected areas; condition of berm and base; previously unidentified safety concerns, Twice annually during Summer. Date?	X		
ВМР	Are there any additional environmental hazards/potential impacts that require attention?	X		
MINE ACT	Are there any Health and Safety issues that should be addressed to prevent injury to workers?	X		

Contaminated Soil Acceptable at Landfarm

Only soil contaminated with the following products may be treated in the landfarm if used onsite and spilled on soil:

- Diesel fuel
- Gasoline
- Aviation fuel (Jet A)
- Hydraulic oil
- Other light oil e.g. engine oil, lubricating oil



**Comments/Recommendations:** No non-conformities or un-authorized dumps of contaminated material were found during the inspection. Thanks for your cooperation.

Environmental Personnel Name: Tom Thomson					
Signature:					
Actions Corrected:					
Site Service Supervisor Name:					
Signature:					



#### **Environmental Inspection Report for the Meadowbank Landfarm**

Date: 2015-01-14 Inspected By: Randy Schwandt

Location: Meadowbank Landfarm Weekly Inspection

In Compliance with	Subject	Conform	Non- conform	N/A	Commnets
NWB Part B Item 15	Sign posted to inform of a waste disposal facility in English, French, and Inuktitut.	Х			
NWB Part D Item 29 MBK SCP NIRB Condition 26	Are there any visual spills that can enter any water body?	X			
NWB Part F Item 6 and Item 8	Does the water need to be pumped? If yes, estimated volume in m <sup>3</sup> , analyse water and 10 days notification give to NWB?			X	
NWB Part F Item 9 NIRB Condition 12	Discharge of water >30m from ordinary high water mark			X	
NWB Part F Item 9 NIRB Condition 12	Discharge of water not causing erosion			X	
NWB Part F Item 9 NIRB Condition 12	Discharge of water not directly flowing to water body			X	
NWB Part F Item 19 NIRB Condition 12	Waste disposal area >30 m from high water mark	Х			
NWB Part I Item 9	Monitoring signs are posted in English, French, and Inuktitut.	X			
NWB Part F Item 14 NIRB Condition 27	No hazardous waste present - All Hazardous waste generated is sent off site to an approved disposal facility (except contaminated soil)	Х			
NIRB Condition 26	Ensure that spills, if any, are cleaned up	X			



	immediately and that				
	the site is kept clean of				
	debris, including wind-				
	blown debris.				
	Visual sign of runoff or	X			
NWB Part I Item	seepage. If so, record				
10 and 15	and report the observation and the				
	flow.				
	Annual Geotechnical	X			
NWB Part I Item	inspection completed.	Λ			
12	Date?				
Landfarm		X			
Design and	Maximum windrow size	Λ			
Management	was 15 m wide at base x				
Plan	4 m high x 50 m long				
Landfarm	Larger coarse material	X			
Design and	(> 1") was separated				
Management	from the finer material				
Plan					
T 10	A record is kept for the	X			
Landfarm	amount of				
Design and Management	contaminated soil placed in the landfarm				
Plan	and the location of each				
1 1011	load within the facility.				
	Does new contaminated	X			
Landfarm	soil was bringing to	Λ			
Design and	Landfarm without				
Management Plan	authorization? If so,				
Plan	estimated quantity.				
Landfarm	A record is kept for the	X			
Design and	amount of remediated				
Management	contaminated soil,				
Plan	disposal location and				
	usage.			***	
Landfarm	Does some pile are remediated and ready			X	
Design and	to remove from				
Management	landfarm (respect GN				
Plan	guideline)?				
	Soil mixed mechanically			X	
Landfarm	with earth-moving			Λ	
Design and	equipment (2-4 times				
Management	per year, during the				
Plan	summer months).				
	Date?				
Landfarm	Does the windrow are			X	
Design and	dry prior to turning? If				
Management	yes, we need to			1	
Plan	moisture the pile. Soil treatment with			***	
Landfarm	sewage sludge as			X	
Design and	nutrient supplement, at				
Management	least once during				
Plan	summer on selected				
	windrows.			1	
<u> </u>			1	1	ı



Landfarm	Windrows sampled	X		
Design and	annually at the end of			
Management	the summer season.			
Plan	See section 4.6.2 for			
-	sampling procedure.			
	Coarse-grained material assessed near the end of	X		
	the summer season for			
Landfarm	PHC product and odour.			
Design and	PHC odours are no			
Management	longer detected? If yes,			
Plan	removed to the PRSF			
	and disposed of as PAG			
	material.			
Landfarm	Does non-contaminated	X		
Design and	snow need to be			
Management Plan	removed?			
1 1011	Inspected areas;	X		
	condition of berm and	Λ		
Landfarm	base; previously			
Design and	unidentified safety			
Management Plan	concerns, Twice			
1 1011	annually during			
	Summer. Date?			
	Are there any additional	X		
BMP	environmental hazards/potential			
DIVIP	impacts that require			
	attention?			
	Are there any Health	X		
	and Safety issues that	Λ		
MINE ACT	should be addressed to			
	prevent injury to			
	workers?			

Contaminated Soil Acceptable at Landfarm

Only soil contaminated with the following products may be treated in the landfarm if used onsite and spilled on soil:

- Diesel fuel
- Gasoline
- Aviation fuel (Jet A)
- Hydraulic oil
- Other light oil e.g. engine oil, lubricating oil



Comments/Recommendations: Landfarm was in good condition, no non conformites while inspection was taken place.

Environmental Personnel Name: Randy Schwandt					
Signature:					
Actions Corrected:					
Site Service Supervisor Name:					
Signature:					



#### **Environmental Inspection Report for the Meadowbank Landfarm**

Date: 2015-01-20 Inspected By: Robin Allard

Location: MBK Landfarm Weekly Inspection

In Compliance with	Subject	Conform	Non- conform	N/A	Comments
NWB Part B Item 15	Sign posted to inform of a waste disposal facility in English, French, and Inuktitut.	Х			
NWB Part D Item 29 MBK SCP NIRB Condition 26	Are there any visual spills that can enter any water body?	Х			
NWB Part F Item 6 and Item 8	Does the water need to be pumped? If yes, estimated volume in m <sup>3</sup> , analyse water and 10 days notification give to NWB?			Х	
NWB Part F Item 9 NIRB Condition 12	Discharge of water >30m from ordinary high water mark			Х	
NWB Part F Item 9 NIRB Condition 12	Discharge of water not causing erosion			Х	
NWB Part F Item 9 NIRB Condition 12	Discharge of water not directly flowing to water body			Х	
NWB Part F Item 19 NIRB Condition 12	Waste disposal area >30 m from high water mark	Х			
NWB Part I Item 9	Monitoring signs are posted in English, French, and Inuktitut.	Х			
NWB Part F Item 14 NIRB Condition 27	No hazardous waste present - All Hazardous waste generated is sent off site to an approved disposal facility (except contaminated soil)	Х			
NIRB Condition 26	Ensure that spills, if any, are cleaned up	X			



	1			
	immediately and that			
	the site is kept clean of			
	debris, including wind-			
	blown debris.			
	Visual sign of runoff or	X		
NWB Part I Item	seepage. If so, record			
10 and 15	and report the			
10 and 15	observation and the			
	flow.			
MIAID D . I I	Annual Geotechnical	X		
NWB Part I Item	inspection completed.	Λ		
12	Date?			
Landfarm		X		
Design and	Maximum windrow size	Λ		
Management	was 15 m wide at base x			
Plan	4 m high x 50 m long			
Landfarm			77	Some work done,
Design and	Larger coarse material		X	Extec in shop.
Management	(> 1") was separated			•
Plan	from the finer material			
11011	A record is kept for the		<del>                                     </del>	Load added see
Landfarm	amount of		X	comments.
Design and	contaminated soil			
Management	placed in the landfarm			
Plan	and the location of each			
Fidii	load within the facility.			
	Does new contaminated			
Landfarm	soil was bringing to	X		
Design and	Landfarm without			
Management				
Plan	authorization? If so,			
	estimated quantity.  A record is kept for the			
Landfarm	amount of remediated	X		
Design and				
Management	contaminated soil,			
Plan	disposal location and			
	usage.			
Landfarm	Does some pile are	X		
Design and	remediated and ready			
Management	to remove from			
Plan	landfarm (respect GN			
	guideline)?			
T 10	Soil mixed mechanically	X		
Landfarm	with earth-moving			
Design and	equipment (2-4 times			
Management	per year, during the			
Plan	summer months).			
7 10	Date?			
Landfarm	Does the windrow are	X		
Design and	dry prior to turning? If			
Management	yes, we need to			
Plan	moisture the pile.			
	Soil treatment with	X		Done for winter
Landfarm	sewage sludge as			
Design and	nutrient supplement, at			
Management	least once during			
Plan	summer on selected			
	windrows.			



	T 1		,		
Landfarm Design and Management Plan	Windrows sampled annually at the end of the summer season. See section 4.6.2 for sampling procedure.	X			
Landfarm Design and Management Plan	Coarse-grained material assessed near the end of the summer season for PHC product and odour. PHC odours are no longer detected? If yes, removed to the PRSF and disposed of as PAG material.	X			
Landfarm Design and Management Plan	Does non-contaminated snow need to be removed?			X	
Landfarm Design and Management Plan	Inspected areas; condition of berm and base; previously unidentified safety concerns, Twice annually during Summer. Date?	Х			
ВМР	Are there any additional environmental hazards/potential impacts that require attention?	X			
MINE ACT	Are there any Health and Safety issues that should be addressed to prevent injury to workers?	Х			

#### Contaminated Soil Acceptable at Landfarm

Only soil contaminated with the following products may be treated in the landfarm if used onsite and spilled on soil:

- Diesel fuel
- Gasoline
- Aviation fuel (Jet A)
- Hydraulic oil
- Other light oil e.g. engine oil, lubricating oil

**Comments/Recommendations:** New soil added from mine spill (no reports yet) 50 tons.

**Environmental Personnel Name: Robin Allard** 

Signature:



#### **Environmental Inspection Report for the Meadowbank Landfarm**

Date: 2015-01-27 Inspected By: Robin Allard

Location: MBK Landfarm Weekly Inspection

In Compliance with	Subject	Conform	Non- conform	N/A	Comments
NWB Part B Item 15	Sign posted to inform of a waste disposal facility in English, French, and Inuktitut.	Х			
NWB Part D Item 29 MBK SCP NIRB Condition 26	Are there any visual spills that can enter any water body?	Х			
NWB Part F Item 6 and Item 8	Does the water need to be pumped? If yes, estimated volume in m <sup>3</sup> , analyse water and 10 days notification give to NWB?			Х	
NWB Part F Item 9 NIRB Condition 12	Discharge of water >30m from ordinary high water mark			Х	
NWB Part F Item 9 NIRB Condition 12	Discharge of water not causing erosion			Х	
NWB Part F Item 9 NIRB Condition 12	Discharge of water not directly flowing to water body			Х	
NWB Part F Item 19 NIRB Condition 12	Waste disposal area >30 m from high water mark	Х			
NWB Part I Item 9	Monitoring signs are posted in English, French, and Inuktitut.	Х			
NWB Part F Item 14 NIRB Condition 27	No hazardous waste present - All Hazardous waste generated is sent off site to an approved disposal facility (except contaminated soil)	Х			
NIRB Condition 26	Ensure that spills, if any, are cleaned up	X			



immediately and that the site is kept clean of debris, including wind-blown debris.  NWB Part I Item 10 and 15  NWB Part I Item 12  NWB Part I Item 15  Landfarm 15  Design and Management Plan 16  Landfarm 16  Design and Management Plan 17  Landfarm 17  Design and Management Plan 18  Landfarm 19  Design and Management Plan 19  Landfarm 19  Design and Management Plan 19  Landfarm 19  Design and Management Plan 19  Landfarm 20  Does new contaminated soil, disposal location and usage.  Landfarm 20  Design and Management Plan 20  Does new contaminated soil, disposal location and usage.  Landfarm 20  Design and Management Plan 20  Does new ple are remediated and ready to remove from landfarm (respect to Nguideline)?  Soil maked mechanically with earth-moving 19  Design and Management Plan 20  Design and Management Plan 30  Design and Management					
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Management least once during summer on selected	Design and				
Plan summer on selected					
	Plan	summer on selected			
windrows.		windrows.			
windrows.	Plan				



Landfarm Design and Management Plan	Windrows sampled annually at the end of the summer season. See section 4.6.2 for sampling procedure.	X		
Landfarm Design and Management Plan	Coarse-grained material assessed near the end of the summer season for PHC product and odour. PHC odours are no longer detected? If yes, removed to the PRSF and disposed of as PAG material.	x		
Landfarm Design and Management Plan	Does non-contaminated snow need to be removed?		X	
Landfarm Design and Management Plan	Inspected areas; condition of berm and base; previously unidentified safety concerns, Twice annually during Summer. Date?	Х		
ВМР	Are there any additional environmental hazards/potential impacts that require attention?	X		
MINE ACT	Are there any Health and Safety issues that should be addressed to prevent injury to workers?	Х		

#### Contaminated Soil Acceptable at Landfarm

Only soil contaminated with the following products may be treated in the landfarm if used onsite and spilled on soil:

- Diesel fuel
- Gasoline
- Aviation fuel (Jet A)
- Hydraulic oil
- Other light oil e.g. engine oil, lubricating oil

**Comments/Recommendations:** New soil added from mine spill (Vault).

**Environmental Personnel Name: Robin Allard** 

Signature:



#### **Environmental Inspection Report for the Meadowbank Landfarm**

Date: 2015-02-04 Inspected By: Martin Theriault

Location: Landfarm 15:30am Weekly Inspection

In Compliance with	Subject	Conform	Non- conform	N/A	Commnets
NWB Part B Item 15	Sign posted to inform of a waste disposal facility in English, French, and Inuktitut.	Х			English only
NWB Part D Item 29 MBK SCP NIRB Condition 26	Are there any visual spills that can enter any water body?	X			
NWB Part F Item 6 and Item 8	Does the water need to be pumped? If yes, estimated volume in m <sup>3</sup> , analyse water and 10 days notification give to NWB?			Х	
NWB Part F Item 9 NIRB Condition 12	Discharge of water >30m from ordinary high water mark			Х	
NWB Part F Item 9 NIRB Condition 12	Discharge of water not causing erosion			X	
NWB Part F Item 9 NIRB Condition 12	Discharge of water not directly flowing to water body			Х	
NWB Part F Item 19 NIRB Condition 12	Waste disposal area >30 m from high water mark	X			
NWB Part I Item 9	Monitoring signs are posted in English, French, and Inuktitut.		Х		Blown away need a new one
NWB Part F Item 14 NIRB Condition 27	No hazardous waste present - All Hazardous waste generated is sent off site to an approved disposal facility (except contaminated soil)	Х			



NIRB Condition 26	Ensure that spills, if any, are cleaned up immediately and that the site is kept clean of debris, including windblown debris.	Х			Quadrex to be moved next spring
NWB Part I Item 10 and 15	Visual sign of runoff or seepage. If so, record and report the observation and the flow.	X			
NWB Part I Item 12	Annual Geotechnical inspection completed. Date?	X			Sept 2014
Landfarm Design and Management Plan	Maximum windrow size was 15 m wide at base x 4 m high x 50 m long	X			
Landfarm Design and Management Plan	Larger coarse material (> 1") was separated from the finer material		X		Next summer when Extec back in order
Landfarm Design and Management Plan	A record is kept for the amount of contaminated soil placed in the landfarm and the location of each load within the facility.	X			
Landfarm Design and Management Plan	Does new contaminated soil was bringing to Landfarm without authorization? If so, estimated quantity.	X			
Landfarm Design and Management Plan	A record is kept for the amount of remediated contaminated soil, disposal location and usage.	X			
Landfarm Design and Management Plan	Does some pile are remediated and ready to remove from landfarm (respect GN guideline)?			Х	
Landfarm Design and Management Plan	Soil mixed mechanically with earth-moving equipment (2-4 times per year, during the summer months).  Date?			X	
Landfarm Design and Management Plan	Does the windrow are dry prior to turning? If yes, we need to moisture the pile.			Х	
Landfarm Design and	Soil treatment with sewage sludge as				



	1		1	Г	
Management	nutrient supplement, at			X	
Plan	least once during				
	summer on selected				
	windrows.				
Landfarm	Windrows sampled				
Design and	annually at the end of	X			
Management	the summer season.	71			
Plan	See section 4.6.2 for				
	sampling procedure.				
	Coarse-grained material				
	assessed near the end of	X			
Landfarm	the summer season for	Λ			
Design and	PHC product and odour.				
Management	PHC odours are no				
Plan	longer detected? If yes,				
	removed to the PRSF				
	and disposed of as PAG				
	material.				
Landfarm	Does non-contaminated			X	Next
Design and	snow need to be				summer
Management	removed?				Janniner
Plan					
	Inspected areas;				
Landfarm	condition of berm and	X			
Design and	base; previously	11			
Management	unidentified safety				
Plan	concerns, Twice				
	annually during				
	Summer. Date?				
	Are there any additional				
	environmental	X			
BMP	hazards/potential	11			
	impacts that require				
	attention?				
	Are there any Health				
	and Safety issues that	X			
MINE ACT	should be addressed to	Λ			
	prevent injury to				
	workers?				

#### Contaminated Soil Acceptable at Landfarm

Only soil contaminated with the following products may be treated in the landfarm if used onsite and spilled on soil:

- Diesel fuel
- Gasoline
- Aviation fuel (Jet A)
- Hydraulic oil
- Other light oil e.g. engine oil, lubricating oil



**Comments/Recommendations:** No non-conformities or un-authorized dumps of contaminated material were found during the inspection. New monitoring sign to be put in place

Environmental Personnel Name: Martin Theriault				
Signature:				
Actions Corrected:				
Site Service Supervisor Name:				
Signature:				



#### **Environmental Inspection Report for the Meadowbank Landfarm**

Date: 2015-02-11 Inspected By: Martin Theriault

Location: Landfarm 15:30am Weekly Inspection

In Compliance with	Subject	Conform	Non-conform	N/A	Commnets
NWB Part B Item 15	Sign posted to inform of a waste disposal facility in English, French, and Inuktitut.	X			English only
NWB Part D Item 29 MBK SCP NIRB Condition 26	Are there any visual spills that can enter any water body?	X			
NWB Part F Item 6 and Item 8	Does the water need to be pumped? If yes, estimated volume in m³, analyse water and 10 days notification give to NWB?			X	
NWB Part F Item 9 NIRB Condition 12	Discharge of water >30m from ordinary high water mark			X	
NWB Part F Item 9 NIRB Condition 12	Discharge of water not causing erosion			X	
NWB Part F Item 9 NIRB Condition 12	Discharge of water not directly flowing to water body			Х	
NWB Part F Item 19 NIRB Condition 12	Waste disposal area >30 m from high water mark	X			
NWB Part I Item 9	Monitoring signs are posted in English, French, and Inuktitut.		х		Blown away need a new one
NWB Part F Item 14 NIRB Condition 27	No hazardous waste present - All Hazardous waste generated is sent off site to an approved disposal facility (except contaminated soil)	X			
NIRB Condition 26	Ensure that spills, if any, are cleaned up immediately and that the site is kept clean of debris, including wind-blown debris.	х			Quadrex to be moved next spring
NWB Part I Item 10 and 15	Visual sign of runoff or seepage. If so, record and report the observation and the flow.	X			
NWB Part I Item 12	Annual Geotechnical inspection completed. Date?	X			Sept 2014
Landfarm Design and Management Plan	Maximum windrow size was 15 m wide at base x 4 m high x 50 m long	X			



Landfarm Design	Larger coarse material (>		v	1	Next summer
and Management	1") was separated from the		X		when Extec back
Plan	finer material				in order
	A record is kept for the				III or dor
Landfarm Design	amount of contaminated	X			
and Management	soil placed in the landfarm				
Plan	and the location of each				
	load within the facility.				
	Does new contaminated				
Landfarm Design	soil was bringing to	X			
and Management	Landfarm without				
Plan	authorization? If so,				
	estimated quantity.				
Landfarm Design	A record is kept for the				
and Management	amount of remediated	X			
Plan	contaminated soil, disposal				
	location and usage.				
Landfarm Design	Does some pile are				
and Management	remediated and ready to			X	
Plan	remove from landfarm				
	(respect GN guideline)?			<del> </del>	+
Landfarm Dagian	Soil mixed mechanically with earth-moving			v	
Landfarm Design and Management				X	
and Management Plan	equipment (2-4 times per year, during the summer				
ı ıdlı	months). Date?				
Landfarm Design	Does the windrow are dry				+
and Management	prior to turning? If yes, we			X	
Plan	need to moisture the pile.			A	
1 1011	Soil treatment with				
Landfarm Design	sewage sludge as			X	
and Management	nutrient supplement, at				
Plan	least once during summer				
	on selected windrows.				
	Windrows sampled				
Landfarm Design	annually at the end of the	X			
and Management	summer season. See				
Plan	section 4.6.2 for sampling				
	procedure.				
	Coarse-grained material				
	assessed near the end of	X			
Landfarm Design	the summer season for				
and Management	PHC product and odour.				
Plan	PHC odours are no longer				
	detected? If yes, removed				
	to the PRSF and disposed				
Landfarm Design	of as PAG material.			v	Next summer
and Management	Does non-contaminated			X	ivext Suillillei
Plan	snow need to be removed?				
	Inspected areas; condition			1	
	of berm and base;	X			
Landfarm Design	previously unidentified	==			
and Management	safety concerns, Twice				
Plan	annually during				
	Summer. Date?		<u> </u>		<u> </u>
	Are there any additional				
DMD	environmental	X			
BMP	hazards/potential impacts				
	that require attention?				
	Are there any Health and				
MINE ACT	Safety issues that should	X			
MINLAGI	be addressed to prevent				
	injury to workers?		ĺ	1	



#### Contaminated Soil Acceptable at Landfarm

Only soil contaminated with the following products may be treated in the landfarm if used onsite and spilled on soil:

- Diesel fuel
- Gasoline
- Aviation fuel (Jet A)
- Hydraulic oil
- Other light oil e.g. engine oil, lubricating oil

**Comments/Recommendations:** No non-conformities or un-authorized dumps of contaminated material were found during the inspection. New monitoring sign to be put in place

material were found during the inspection. New monitoring sign to be put in place	
Environmental Personnel Name: Martin Theriault	
Signature:	
Actions Corrected:	
Site Service Supervisor Name:	
Signature:	



#### **Environmental Inspection Report for the Meadowbank Landfarm**

Date: 2015-02-13 Inspected By: Robin Allard

Location: MBK Landfarm Weekly Inspection

In Compliance with	Subject	Conform	Non-conform	N/A	Comments
NWB Part B Item 15	Sign posted to inform of a waste disposal facility in English, French, and Inuktitut.	X			English only
NWB Part D Item 29 MBK SCP NIRB Condition 26	Are there any visual spills that can enter any water body?	X			
NWB Part F Item 6 and Item 8	Does the water need to be pumped? If yes, estimated volume in m³, analyse water and 10 days notification give to NWB?			X	
NWB Part F Item 9 NIRB Condition 12	Discharge of water >30m from ordinary high water mark			Х	
NWB Part F Item 9 NIRB Condition 12	Discharge of water not causing erosion			X	
NWB Part F Item 9 NIRB Condition 12	Discharge of water not directly flowing to water body			Х	
NWB Part F Item 19 NIRB Condition 12	Waste disposal area >30 m from high water mark	X			
NWB Part I Item 9	Monitoring signs are posted in English, French, and Inuktitut.		х		Blown away need a new one
NWB Part F Item 14 NIRB Condition 27	No hazardous waste present - All Hazardous waste generated is sent off site to an approved disposal facility (except contaminated soil)	X			
NIRB Condition 26	Ensure that spills, if any, are cleaned up immediately and that the site is kept clean of debris, including wind-blown debris.	х			Quadrex to be moved next spring
NWB Part I Item 10 and 15	Visual sign of runoff or seepage. If so, record and report the observation and the flow.	X			
NWB Part I Item 12	Annual Geotechnical inspection completed. Date?	X			Sept 2014
Landfarm Design and Management Plan	Maximum windrow size was 15 m wide at base x 4 m high x 50 m long	X			



Landfarm Design	Larger coarse material (> 1") was separated from the		х		Next summer when Extec back
and Management Plan	finer material				in order
	A record is kept for the				
Landfarm Design	amount of contaminated	X			
and Management Plan	soil placed in the landfarm				
Piali	load within the facility.				
	Does new contaminated				
Landfarm Design	soil was bringing to	X			
and Management	Landfarm without				
Plan	authorization? If so,				
	estimated quantity. A record is kept for the				
Landfarm Design	amount of remediated	Х			
and Management	contaminated soil, disposal	Λ			
Plan	location and usage.				
Landfarm Dasim	Does some pile are				
Landfarm Design and Management	remediated and ready to			X	
Plan	remove from landfarm				
	(respect GN guideline)?				
Landfarm Design	Soil mixed mechanically with earth-moving			X	
and Management	equipment (2-4 times per			Λ	
Plan	year, during the summer				
	months). Date?				
Landfarm Design	Does the windrow are dry				
and Management	prior to turning? If yes, we			X	
Plan	need to moisture the pile.				
Landfarm Dasim	Soil treatment with			v	
Landfarm Design and Management	sewage sludge as nutrient supplement, at			X	
Plan	least once during summer				
	on selected windrows.				
	Windrows sampled				
Landfarm Design	annually at the end of the	X			
and Management Plan	summer season. See				
Pidii	section 4.6.2 for sampling procedure.				
	Coarse-grained material				
	assessed near the end of	X			
Landfarm Design	the summer season for				
and Management	PHC product and odour.				
Plan	PHC odours are no longer				
	detected? If yes, removed to the PRSF and disposed				
	of as PAG material.				
Landfarm Design				х	Next summer
and Management	Does non-contaminated snow need to be removed?				
Plan				1	
	Inspected areas; condition of berm and base;	Х			
Landfarm Design	previously unidentified	Λ			
and Management	safety concerns, Twice				
Plan	annually during				
	Summer. Date?				
	Are there any additional				
BMP	environmental	X			
	hazards/potential impacts that require attention?				
	Are there any Health and		+	+	+
MANUEL A CIT	Safety issues that should	X			
MINE ACT	be addressed to prevent	- <del>-</del>			
	injury to workers?				



#### Contaminated Soil Acceptable at Landfarm

Only soil contaminated with the following products may be treated in the landfarm if used onsite and spilled on soil:

- Diesel fuel
- Gasoline
- Aviation fuel (Jet A)
- Hydraulic oil
- Other light oil e.g. engine oil, lubricating oil

**Comments/Recommendations:** Everything was found to be in good state. New monitoring sign to be put in place.

**Environmental Personnel Name: Robin Allard** 

Signature:



#### **Environmental Inspection Report for the Meadowbank Landfarm**

Date: 2015-02-17 Inspected By: Robin Allard

Location: MBK Landfarm Weekly Inspection

In Compliance with	Subject	Conform	Non-conform	N/A	Comments
NWB Part B Item 15	Sign posted to inform of a waste disposal facility in English, French, and Inuktitut.	X			English only
NWB Part D Item 29 MBK SCP NIRB Condition 26	Are there any visual spills that can enter any water body?	X			
NWB Part F Item 6 and Item 8	Does the water need to be pumped? If yes, estimated volume in m³, analyse water and 10 days notification give to NWB?			X	
NWB Part F Item 9 NIRB Condition 12	Discharge of water >30m from ordinary high water mark			Х	
NWB Part F Item 9 NIRB Condition 12	Discharge of water not causing erosion			X	
NWB Part F Item 9 NIRB Condition 12	Discharge of water not directly flowing to water body			Х	
NWB Part F Item 19 NIRB Condition 12	Waste disposal area >30 m from high water mark	X			
NWB Part I Item 9	Monitoring signs are posted in English, French, and Inuktitut.	X			New sign installed on the entrance sign.
NWB Part F Item 14 NIRB Condition 27	No hazardous waste present - All Hazardous waste generated is sent off site to an approved disposal facility (except contaminated soil)	X			
NIRB Condition 26	Ensure that spills, if any, are cleaned up immediately and that the site is kept clean of debris, including wind-blown debris.	х			Quadrex to be moved next spring
NWB Part I Item 10 and 15	Visual sign of runoff or seepage. If so, record and report the observation and the flow.	X			
NWB Part I Item 12	Annual Geotechnical inspection completed. Date?	X			Sept 2014
Landfarm Design and Management Plan	Maximum windrow size was 15 m wide at base x 4 m high x 50 m long	X			



Landfarm Design	Larger coarse material (> 1") was separated from the		х		Next summer when Extec back
and Management Plan	finer material				in order
	A record is kept for the				
Landfarm Design	amount of contaminated	X			
and Management Plan	soil placed in the landfarm				
Piali	load within the facility.				
	Does new contaminated				
Landfarm Design	soil was bringing to	X			
and Management	Landfarm without				
Plan	authorization? If so,				
	estimated quantity. A record is kept for the				
Landfarm Design	amount of remediated	Х			
and Management	contaminated soil, disposal	Λ			
Plan	location and usage.				
Landfarm Dasim	Does some pile are				
Landfarm Design and Management	remediated and ready to			X	
Plan	remove from landfarm				
	(respect GN guideline)?				
Landfarm Design	Soil mixed mechanically with earth-moving			X	
and Management	equipment (2-4 times per			Λ	
Plan	year, during the summer				
	months). Date?				
Landfarm Design	Does the windrow are dry				
and Management	prior to turning? If yes, we			X	
Plan	need to moisture the pile.				
Landfarm Dasim	Soil treatment with			v	
Landfarm Design and Management	sewage sludge as nutrient supplement, at			X	
Plan	least once during summer				
	on selected windrows.				
	Windrows sampled				
Landfarm Design	annually at the end of the	X			
and Management Plan	summer season. See				
Pidii	section 4.6.2 for sampling procedure.				
	Coarse-grained material				
	assessed near the end of	X			
Landfarm Design	the summer season for				
and Management	PHC product and odour.				
Plan	PHC odours are no longer				
	detected? If yes, removed to the PRSF and disposed				
	of as PAG material.				
Landfarm Design				х	Next summer
and Management	Does non-contaminated snow need to be removed?				
Plan				1	
	Inspected areas; condition of berm and base;	Х			
Landfarm Design	previously unidentified	Λ			
and Management	safety concerns, Twice				
Plan	annually during				
	Summer. Date?				
	Are there any additional				
BMP	environmental	X			
	hazards/potential impacts that require attention?				
	Are there any Health and		+	+	+
MANUEL A CIT	Safety issues that should	X			
MINE ACT	be addressed to prevent	- <del>-</del>			
	injury to workers?				



#### Contaminated Soil Acceptable at Landfarm

Only soil contaminated with the following products may be treated in the landfarm if used onsite and spilled on soil:

- Diesel fuel
- Gasoline
- Aviation fuel (Jet A)
- Hydraulic oil
- Other light oil e.g. engine oil, lubricating oil

**Comments/Recommendations:** Everything was found to be in good state. New monitoring sign in place.

**Environmental Personnel Name: Robin Allard** 

Signature:



#### **Environmental Inspection Report for the Meadowbank Landfarm**

Date: 2015-02-24 Inspected By: Robin Allard

Location: MBK Landfarm Weekly Inspection

In Compliance with	Subject	Conform	Non-conform	N/A	Comments
NWB Part B Item 15	Sign posted to inform of a waste disposal facility in English, French, and Inuktitut.	X			English only
NWB Part D Item 29 MBK SCP NIRB Condition 26	Are there any visual spills that can enter any water body?	X			
NWB Part F Item 6 and Item 8	Does the water need to be pumped? If yes, estimated volume in m³, analyse water and 10 days notification give to NWB?			X	
NWB Part F Item 9 NIRB Condition 12	Discharge of water >30m from ordinary high water mark			X	
NWB Part F Item 9 NIRB Condition 12	Discharge of water not causing erosion			X	
NWB Part F Item 9 NIRB Condition 12	Discharge of water not directly flowing to water body			X	
NWB Part F Item 19 NIRB Condition 12	Waste disposal area >30 m from high water mark	X			
NWB Part I Item 9	Monitoring signs are posted in English, French, and Inuktitut.	X			New sign installed on the entrance sign.
NWB Part F Item 14 NIRB Condition 27	No hazardous waste present - All Hazardous waste generated is sent off site to an approved disposal facility (except contaminated soil)	X			
NIRB Condition 26	Ensure that spills, if any, are cleaned up immediately and that the site is kept clean of debris, including wind-blown debris.	х			Quadrex to be moved next spring
NWB Part I Item 10 and 15	Visual sign of runoff or seepage. If so, record and report the observation and the flow.	X			
NWB Part I Item 12	Annual Geotechnical inspection completed. Date?	X			Sept 2014
Landfarm Design and Management Plan	Maximum windrow size was 15 m wide at base x 4 m high x 50 m long	X			



Y 16 D 1	1		1	1	T
Landfarm Design	Larger coarse material (>		X		Next summer
and Management Plan	1") was separated from the				when Extec back
Plan	finer material A record is kept for the			<u> </u>	in order
Landfarm Design	amount of contaminated	X			
	soil placed in the landfarm	Λ			
and Management Plan	and the location of each				
Fidii	load within the facility.				
	Does new contaminated				
Landfarm Design	soil was bringing to	X			
and Management	Landfarm without	Λ			
Plan	authorization? If so,				
i iaii	estimated quantity.				
	A record is kept for the				
Landfarm Design	amount of remediated	X			
and Management	contaminated soil, disposal	A			
Plan	location and usage.				
	Does some pile are				
Landfarm Design	remediated and ready to			X	
and Management	remove from landfarm			, A	
Plan	(respect GN guideline)?				
	Soil mixed mechanically		1	1	1
Landfarm Design	with earth-moving			X	
and Management	equipment (2-4 times per		1		
Plan	year, during the summer				
	months). Date?				
Landfarm Design	Does the windrow are dry				
and Management	prior to turning? If yes, we			X	
Plan	need to moisture the pile.				
	Soil treatment with				
Landfarm Design	sewage sludge as			X	
and Management	nutrient supplement, at				
Plan	least once during summer				
	on selected windrows.				
	Windrows sampled				
Landfarm Design	annually at the end of the	X			
and Management	summer season. See				
Plan	section 4.6.2 for sampling				
	procedure.				
	Coarse-grained material				
	assessed near the end of	X			
Landfarm Design	the summer season for				
and Management	PHC product and odour.				
Plan	PHC odours are no longer				
1 1011	detected? If yes, removed				
	to the PRSF and disposed				
I 16 D :	of as PAG material.				NI
Landfarm Design	Does non-contaminated			X	Next spring
and Management	snow need to be removed?				
Plan	Inspected areas: can dition			+	
	Inspected areas; condition of berm and base;	X			
Landfarm Design		^			
and Management	previously unidentified safety concerns, Twice				
Plan	annually during				
	Summer. Date?				
	Are there any additional			1	
	environmental	X	1		
BMP	hazards/potential impacts	A	1		
	that require attention?				
	Are there any Health and			1	1
	Safety issues that should	X			
MINE ACT	be addressed to prevent	==			
	injury to workers?		1		
	,,		1	1	1



#### Contaminated Soil Acceptable at Landfarm

Only soil contaminated with the following products may be treated in the landfarm if used onsite and spilled on soil:

- Diesel fuel
- Gasoline
- Aviation fuel (Jet A)
- Hydraulic oil
- Other light oil e.g. engine oil, lubricating oil

**Comments/Recommendations:** Everything was found to be in good state.

**Environmental Personnel Name: Robin Allard** 

Signature:



#### **Environmental Inspection Report for the Meadowbank Landfarm**

Date: 2015-02-26 Inspected By: Tom Thomson/Philip Roy

Location: 9:30am Weekly Inspection

In Compliance with	Subject	Conform	Non- conform	N/A	Commnets
NWB Part B Item 15	Sign posted to inform of a waste disposal facility in English, French, and Inuktitut.	Х			
NWB Part D Item 29 MBK SCP NIRB Condition 26	Are there any visual spills that can enter any water body?	X			
NWB Part F Item 6 and Item 8	Does the water need to be pumped? If yes, estimated volume in m <sup>3</sup> , analyse water and 10 days notification give to NWB?			х	
NWB Part F Item 9 NIRB Condition 12	Discharge of water >30m from ordinary high water mark			х	
NWB Part F Item 9 NIRB Condition 12	Discharge of water not causing erosion			Х	
NWB Part F Item 9 NIRB Condition 12	Discharge of water not directly flowing to water body			Х	
NWB Part F Item 19 NIRB Condition 12	Waste disposal area >30 m from high water mark	Х			
NWB Part I Item 9	Monitoring signs are posted in English, French, and Inuktitut.	Х			
NWB Part F Item 14 NIRB Condition 27	No hazardous waste present - All Hazardous waste generated is sent off site to an approved disposal facility (except contaminated soil)	Х			
NIRB Condition 26	Ensure that spills, if any, are cleaned up	Х			



	immediately and that				
	the site is kept clean of				
	debris, including wind-				
	blown debris.				
	Visual sign of runoff or				
NWB Part I Item	seepage. If so, record	X			
10 and 15	and report the				
	observation and the flow.				
	Annual Geotechnical				0 . 004.4
NWB Part I Item	inspection completed.	X			Sept 2014
12	Date?				
Landfarm	Date:				
Design and	Maximum windrow size				
Management	was 15 m wide at base x	X			
Plan	4 m high x 50 m long				
Landfarm					
Design and	Larger coarse material				
Management	(> 1") was separated	X			
Plan	from the finer material				
	A record is kept for the			1	
Landfarm	amount of				
Design and	contaminated soil	X			
Management	placed in the landfarm				
Plan	and the location of each				
	load within the facility.				
Landfarm	Does new contaminated				
Design and	soil was bringing to	17			
Management	Landfarm without	X			
Plan	authorization? If so,				
1 Idii	estimated quantity.				
Landfarm	A record is kept for the				
Design and	amount of remediated	X			
Management	contaminated soil,	Λ			
Plan	disposal location and				
-	usage.				
Landfarm	Does some pile are				
Design and	remediated and ready	X			
Management	to remove from				
Plan	landfarm (respect GN				
	guideline)? Soil mixed mechanically				
Landfarm	with earth-moving				
Design and	equipment (2-4 times	X			
Management	per year, during the				
Plan	summer months).				
1 1011	Date?				
Landfarm	Does the windrow are			1	
Design and	dry prior to turning? If				
Management	yes, we need to			X	
Plan	moisture the pile.				
-	Soil treatment with				
Landfarm	sewage sludge as				
Design and	nutrient supplement, at			X	
Management	least once during				
Plan	summer on selected				
	windrows.			<u> </u>	
	willulows.		l	1	



Landfarm Design and Management Plan	Windrows sampled annually at the end of the summer season. See section 4.6.2 for sampling procedure.	Х		
Landfarm Design and Management Plan	Coarse-grained material assessed near the end of the summer season for PHC product and odour. PHC odours are no longer detected? If yes, removed to the PRSF and disposed of as PAG material.	Х		
Landfarm Design and Management Plan	Does non-contaminated snow need to be removed?	X		
Landfarm Design and Management Plan	Inspected areas; condition of berm and base; previously unidentified safety concerns, Twice annually during Summer. Date?	Х		
ВМР	Are there any additional environmental hazards/potential impacts that require attention?	X		
MINE ACT	Are there any Health and Safety issues that should be addressed to prevent injury to workers?	Х		

Contaminated Soil Acceptable at Landfarm

Only soil contaminated with the following products may be treated in the landfarm if used onsite and spilled on soil:

- Diesel fuel
- Gasoline
- Aviation fuel (Jet A)
- Hydraulic oil
- Other light oil e.g. engine oil, lubricating oil



Comments/Recomminspection.	nendations: No non-conformities were observed during the	
Environmental Pers	sonnel Name: Tom Thomson	
9	Signature:	
Actions Corrected:		
•	sor Name:	



#### **Environmental Inspection Report for the Meadowbank Landfarm**

**Date:** 2015-03-11 **Inspected By:** Jamie Kataluk

**Location:** 10:00 Weekly Inspection

In Compliance with	Subject	Conform	Non-conform	N/A	Commnets
NWB Part B Item 15	Sign posted to inform of a waste disposal facility in English, French, and Inuktitut.	X			
NWB Part D Item 29 MBK SCP NIRB Condition 26	Are there any visual spills that can enter any water body?	X			
NWB Part F Item 6 and Item 8	Does the water need to be pumped? If yes, estimated volume in m³, analyse water and 10 days notification give to NWB?			X	
NWB Part F Item 9 NIRB Condition 12	Discharge of water >30m from ordinary high water mark			X	
NWB Part F Item 9 NIRB Condition 12	Discharge of water not causing erosion			X	
NWB Part F Item 9 NIRB Condition 12	Discharge of water not directly flowing to water body			X	
NWB Part F Item 19 NIRB Condition 12	Waste disposal area >30 m from high water mark	X			
NWB Part I Item 9	Monitoring signs are posted in English, French, and Inuktitut.	X			
NWB Part F Item 14 NIRB Condition 27	No hazardous waste present - All Hazardous waste generated is sent off site to an approved disposal facility (except contaminated soil)	X			
NIRB Condition 26	Ensure that spills, if any, are cleaned up immediately and that the site is kept clean of debris, including wind-blown debris.	X			
NWB Part I Item 10 and 15	Visual sign of runoff or seepage. If so, record and report the observation and the flow.	X			
NWB Part I Item 12	Annual Geotechnical inspection completed. Date?	X			Sept 2014
Landfarm Design and Management Plan	Maximum windrow size was 15 m wide at base x 4 m high x 50 m long	X			
Landfarm Design and Management	Larger coarse material (> 1") was separated from the	X			



Dlan	finan matanial		1		I
Plan	finer material				
Landfarm Design and Management Plan	A record is kept for the amount of contaminated soil placed in the landfarm and the location of each load within the facility.	X			
Landfarm Design and Management Plan	Does new contaminated soil was brought to Landfarm without authorization? If so, estimated quantity.	X			
Landfarm Design and Management Plan	A record is kept for the amount of remediated contaminated soil, disposal location and usage.	X			
Landfarm Design and Management Plan	Are some piles remediated and ready to remove from landfarm (respect GN guideline)?	X			
Landfarm Design and Management Plan	Soil mixed mechanically with earth-moving equipment (2-4 times per year, during the summer months). Date?	X			
Landfarm Design and Management Plan	Does the windrow are dry prior to turning? If yes, we need to moisture the pile.			X	
Landfarm Design and Management Plan	Soil treatment with sewage sludge as nutrient supplement, at least once during summer on selected windrows.	X			
Landfarm Design and Management Plan	Windrows sampled annually at the end of the summer season. See section 4.6.2 for sampling procedure.	X			
Landfarm Design and Management Plan	Coarse-grained material assessed near the end of the summer season for PHC product and odour. PHC odours are no longer detected? If yes, removed to the PRSF and disposed of as PAG material.	X			
Landfarm Design and Management Plan	Does non-contaminated snow need to be removed?	X			
Landfarm Design and Management Plan	Inspected areas; condition of berm and base; previously unidentified safety concerns, Twice annually during Summer. Date?	X			
ВМР	Are there any additional environmental hazards/potential impacts that require attention?	X			
MINE ACT	Are there any Health and Safety issues that should be addressed to prevent injury to workers?	X			

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#### Contaminated Soil Acceptable at Landfarm

Only soil contaminated with the following products may be treated in the landfarm if used onsite and spilled on soil:

- Diesel fuel
- Gasoline
- Aviation fuel (Jet A)
- Hydraulic oil
- Other light oil e.g. engine oil, lubricating oil

<b>Comments/Recommendations:</b> No non-conformities were observed during the inspection.
Environmental Personnel Name: Jamie Kataluk
Signature:
Addition Communication
Actions Corrected:
Site Service Supervisor Name:
Signature:



#### **Environmental Inspection Report for the Meadowbank Landfarm**

Date: 2015-03-25 Inspected By: Robin Allard

Location: MBK Landfarm Weekly Inspection

In Compliance with	Subject	Conform	Non-conform	N/A	Comments
NWB Part B Item 15	Sign posted to inform of a waste disposal facility in English, French, and Inuktitut.	X			English only
NWB Part D Item 29 MBK SCP NIRB Condition 26	Are there any visual spills that can enter any water body?	X			
NWB Part F Item 6 and Item 8	Does the water need to be pumped? If yes, estimated volume in m³, analyse water and 10 days notification give to NWB?			X	
NWB Part F Item 9 NIRB Condition 12	Discharge of water >30m from ordinary high water mark			X	
NWB Part F Item 9 NIRB Condition 12	Discharge of water not causing erosion			X	
NWB Part F Item 9 NIRB Condition 12	Discharge of water not directly flowing to water body			X	
NWB Part F Item 19 NIRB Condition 12	Waste disposal area >30 m from high water mark	X			
NWB Part I Item 9	Monitoring signs are posted in English, French, and Inuktitut.	X			·
NWB Part F Item 14 NIRB Condition 27	No hazardous waste present - All Hazardous waste generated is sent off site to an approved disposal facility (except contaminated soil)	X			
NIRB Condition 26	Ensure that spills, if any, are cleaned up immediately and that the site is kept clean of debris, including wind-blown debris.	х			Quadrex to be moved next spring
NWB Part I Item 10 and 15	Visual sign of runoff or seepage. If so, record and report the observation and the flow.	X			
NWB Part I Item 12	Annual Geotechnical inspection completed. Date?	X			Sept 2014
Landfarm Design and Management Plan	Maximum windrow size was 15 m wide at base x 4 m high x 50 m long	X			



Landfarm Design and Management	Larger coarse material (> 1") was separated from the		x		Next summer when Extec back
Plan	finer material				in order
	A record is kept for the				
Landfarm Design	amount of contaminated	X			
and Management Plan	soil placed in the landfarm				
FIAII	load within the facility.				
	Does new contaminated				
Landfarm Design	soil was bringing to	X			
and Management	Landfarm without				
Plan	authorization? If so,				
	estimated quantity.				
Landfarm Design	A record is kept for the				
and Management	amount of remediated	X			
Plan	contaminated soil, disposal				
-	location and usage.				
Landfarm Design	Does some pile are remediated and ready to			V	
and Management	remove from landfarm			X	
Plan	(respect GN guideline)?				
	Soil mixed mechanically				
Landfarm Design	with earth-moving			X	
and Management	equipment (2-4 times per				
Plan	year, during the summer				
	months). Date?				
Landfarm Design	Does the windrow are dry				
and Management	prior to turning? If yes, we			X	
Plan	need to moisture the pile.				
	Soil treatment with				
Landfarm Design	sewage sludge as			X	
and Management	nutrient supplement, at				
Plan	least once during summer on selected windrows.				
	Windrows sampled				
Landfarm Design	annually at the end of the	X			
and Management	summer season. See				
Plan	section 4.6.2 for sampling				
	procedure.				
	Coarse-grained material				
	assessed near the end of	X			
Landfarm Design	the summer season for				
and Management	PHC product and odour.				
Plan	PHC odours are no longer detected? If yes, removed				
	to the PRSF and disposed				
	of as PAG material.				
Landfarm Design				х	Next spring
and Management	Does non-contaminated			1	
Plan	snow need to be removed?				
	Inspected areas; condition				
Landfarm Design	of berm and base;	X		1	
and Management	previously unidentified			1	
Plan	safety concerns, Twice			1	
	annually during Summer. Date?				
	Are there any additional				
	environmental	X		1	
BMP	hazards/potential impacts	Α.		1	
	that require attention?			1	
	Are there any Health and				
MINE ACT	Safety issues that should	X		1	
MINE ACT	be addressed to prevent			1	
	injury to workers?				



#### Contaminated Soil Acceptable at Landfarm

Only soil contaminated with the following products may be treated in the landfarm if used onsite and spilled on soil:

- Diesel fuel
- Gasoline
- Aviation fuel (Jet A)
- Hydraulic oil
- Other light oil e.g. engine oil, lubricating oil

**Comments/Recommendations:** Everything was found to be in good state.

**Environmental Personnel Name: Robin Allard** 

Signature:



#### **Environmental Inspection Report for the Meadowbank Landfarm**

**Date:** 2015-03-31 **Inspected By:** Martin Theriault

**Location:** 15:00 Weekly Inspection

In Compliance with	Subject	Conform	Non-conform	N/A	Commnets
NWB Part B Item 15	Sign posted to inform of a waste disposal facility in English, French, and Inuktitut.	X			
NWB Part D Item 29 MBK SCP NIRB Condition 26	Are there any visual spills that can enter any water body?	X			
NWB Part F Item 6 and Item 8	Does the water need to be pumped? If yes, estimated volume in m³, analyse water and 10 days notification give to NWB?			X	
NWB Part F Item 9 NIRB Condition 12	Discharge of water >30m from ordinary high water mark			X	
NWB Part F Item 9 NIRB Condition 12	Discharge of water not causing erosion			X	
NWB Part F Item 9 NIRB Condition 12	Discharge of water not directly flowing to water body			X	
NWB Part F Item 19 NIRB Condition 12	Waste disposal area >30 m from high water mark	X			
NWB Part I Item 9	Monitoring signs are posted in English, French, and Inuktitut.	X			
NWB Part F Item 14 NIRB Condition 27	No hazardous waste present - All Hazardous waste generated is sent off site to an approved disposal facility (except contaminated soil)	X			
NIRB Condition 26	Ensure that spills, if any, are cleaned up immediately and that the site is kept clean of debris, including wind-blown debris.	X			Quadrex to be moved next spring
NWB Part I Item 10 and 15	Visual sign of runoff or seepage. If so, record and report the observation and the flow.	X			
NWB Part I Item 12	Annual Geotechnical inspection completed. Date?	X			Sept 2014
Landfarm Design and Management Plan	Maximum windrow size was 15 m wide at base x 4 m high x 50 m long	X			
Landfarm Design and Management	Larger coarse material (> 1") was separated from the		X		With Extec next summer



DI .	1.6.			1
Plan	finer material			
Landfarm Design and Management Plan	A record is kept for the amount of contaminated soil placed in the landfarm and the location of each load within the facility.	X		
Landfarm Design and Management Plan	Does new contaminated soil was brought to Landfarm without authorization? If so, estimated quantity.	X		
Landfarm Design and Management Plan	A record is kept for the amount of remediated contaminated soil, disposal location and usage.	X		
Landfarm Design and Management Plan	Are some piles remediated and ready to remove from landfarm (respect GN guideline)?		X	
Landfarm Design and Management Plan	Soil mixed mechanically with earth-moving equipment (2-4 times per year, during the summer months). Date?		X	
Landfarm Design and Management Plan	Does the windrow are dry prior to turning? If yes, we need to moisture the pile.		X	
Landfarm Design and Management Plan	Soil treatment with sewage sludge as nutrient supplement, at least once during summer on selected windrows.		х	
Landfarm Design and Management Plan	Windrows sampled annually at the end of the summer season. See section 4.6.2 for sampling procedure.	X		
Landfarm Design and Management Plan	Coarse-grained material assessed near the end of the summer season for PHC product and odour. PHC odours are no longer detected? If yes, removed to the PRSF and disposed of as PAG material.	X		
Landfarm Design and Management Plan	Does non-contaminated snow need to be removed?		Х	Next spring
Landfarm Design and Management Plan	Inspected areas; condition of berm and base; previously unidentified safety concerns, Twice annually during Summer. Date?	Х		
ВМР	Are there any additional environmental hazards/potential impacts that require attention?	X		
MINE ACT	Are there any Health and Safety issues that should be addressed to prevent injury to workers?	X		

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#### Contaminated Soil Acceptable at Landfarm

Only soil contaminated with the following products may be treated in the landfarm if used onsite and spilled on soil:

- Diesel fuel
- Gasoline
- Aviation fuel (Jet A)
- Hydraulic oil
- Other light oil e.g. engine oil, lubricating oil

<b>Comments/Recommendations:</b> No non-conformities were observed during the inspection.
Environmental Personnel Name: Martin Theriault
Signature:
Actions Corrected:
Actions Corrected:
Site Service Supervisor Name:
Signature:



#### **Environmental Inspection Report for the Meadowbank Landfarm**

Date: 2015-05-12 Inspected By: Robin Allard

Location: MBK Landfarm Weekly Inspection

In Compliance with	Subject	Conform	Non-conform	N/A	Comments
NWB Part B Item 15	Sign posted to inform of a waste disposal facility in English, French, and Inuktitut.	Х			English only
NWB Part D Item 29 MBK SCP NIRB Condition 26	Are there any visual spills that can enter any water body?	X			
NWB Part F Item 6 and Item 8	Does the water need to be pumped? If yes, estimated volume in m³, analyse water and 10 days notification give to NWB?			X	
NWB Part F Item 9 NIRB Condition 12	Discharge of water >30m from ordinary high water mark			X	
NWB Part F Item 9 NIRB Condition 12	Discharge of water not causing erosion			X	
NWB Part F Item 9 NIRB Condition 12	Discharge of water not directly flowing to water body			X	
NWB Part F Item 19 NIRB Condition 12	Waste disposal area >30 m from high water mark	X			
NWB Part I Item 9	Monitoring signs are posted in English, French, and Inuktitut.	X			
NWB Part F Item 14 NIRB Condition 27	No hazardous waste present - All Hazardous waste generated is sent off site to an approved disposal facility (except contaminated soil)	X			
NIRB Condition 26	Ensure that spills, if any, are cleaned up immediately and that the site is kept clean of debris, including wind-blown debris.	х			
NWB Part I Item 10 and 15	Visual sign of runoff or seepage. If so, record and report the observation and the flow.	X			
NWB Part I Item 12	Annual Geotechnical inspection completed. Date?	X			Sept 2014
Landfarm Design and Management Plan	Maximum windrow size was 15 m wide at base x 4 m high x 50 m long	X			



Landfarm Design	Larger coarse material (>		v	1	Next summer
and Management	1") was separated from the		X		when Extec back
Plan	finer material				in order
-	A record is kept for the				
Landfarm Design	amount of contaminated	X			
and Management	soil placed in the landfarm				
Plan	and the location of each				
	load within the facility.				
	Does new contaminated				
Landfarm Design	soil was bringing to	X			
and Management	Landfarm without				
Plan	authorization? If so,				
	estimated quantity.				
Landfarm Design	A record is kept for the				
and Management	amount of remediated	X			
Plan	contaminated soil, disposal				
	location and usage.				
Landfarm Design	Does some pile are				
and Management	remediated and ready to			X	
Plan	remove from landfarm				
	(respect GN guideline)? Soil mixed mechanically				
Landfarm Design	with earth-moving			X	
and Management	equipment (2-4 times per			Λ	
Plan	year, during the summer				
1 Iaii	months). Date?				
Landfarm Design	Does the windrow are dry				
and Management	prior to turning? If yes, we			Х	
Plan	need to moisture the pile.			11	
1 1411	Soil treatment with				
Landfarm Design	sewage sludge as			X	
and Management	nutrient supplement, at				
Plan	least once during summer				
	on selected windrows.				
	Windrows sampled				
Landfarm Design	annually at the end of the	X			
and Management	summer season. See				
Plan	section 4.6.2 for sampling				
	procedure.				
	Coarse-grained material				
	assessed near the end of	X			
Landfarm Design	the summer season for				
and Management	PHC product and odour.				
Plan	PHC odours are no longer				
	detected? If yes, removed				
	to the PRSF and disposed				
Landfarm Design	of as PAG material.		X	1	Snow to be taken
and Management	Does non-contaminated		^		out of landfarm.
Plan	snow need to be removed?				out of failulatiff.
- ****	Inspected areas; condition				
	of berm and base;	X			
Landfarm Design	previously unidentified	==			
and Management	safety concerns, Twice				
Plan	annually during				
	Summer. Date?			<u> </u>	
	Are there any additional				
DMD	environmental	X			
BMP	hazards/potential impacts				
	that require attention?				
	Are there any Health and				
MINE ACT	Safety issues that should	X			
MINEAGI	be addressed to prevent				
	injury to workers?				



#### Contaminated Soil Acceptable at Landfarm

Only soil contaminated with the following products may be treated in the landfarm if used onsite and spilled on soil:

- Diesel fuel
- Gasoline
- Aviation fuel (Jet A)
- Hydraulic oil
- Other light oil e.g. engine oil, lubricating oil

**Comments/Recommendations:** Snow accumulated at the landfarm should be removed from inside the enclosed area so as to not create unnecessary contaminated water and/or pumping this spring.

Please have the snow removed when equipment is available. Contact our department for disposal location disposal.

**Environmental Personnel Name: Robin Allard** 

Signature:

Actions Corrected:		
unarrigan Nama.		
upervisor name:		
	Signature:	
Supervisor Name:	Signature:	

# Agnico Eagle Mines: Meadowbank Division Environment Department AGNICO EAGLE MEADOWBANK



# Environmental Inspection Report for the Meadowbank Landfarm

Date: June 13th 2015

Inspected By: Randy Schwandt

Location: Landfarm

# Weekly Inspection

In Compliance with	Subject	Conform	Non- conform	N/A	Comments
NWB Part B Item 15	Sign posted to inform of a waste disposal facility in English, French, and Inuktitut.	X			
NWB Part D Item 29 MBK SCP NIRB Condition 26	Are there any visual spills that can enter any water body?	X			
NWB Part F Item 6 and Item 8	Does the water need to be pumped? If yes, estimated volume in m³, analyse water and 10 days notification give to NWB?			X	
NWB Part F Item 9 NIRB Condition 12	>30m from ordinary high water mark			X	
NWB Part F Item 9 NIRB Condition 12	Discharge of water not causing erosion			X	
NWB Part F Item 9 NIRB Condition 12	Discharge of water not directly flowing to water body			X	
NWB Part F Item 19 NIRB Condition 12	Waste disposal area >30 m from high water mark	X			
NWB Part I Item 9	Monitoring signs are posted in English, French, and Inuktitut.	X			
NWB Part F Item 14 NIRB Condition 27	No hazardous waste present - All Hazardous waste generated is sent off site to an approved disposal facility (except contaminated soil)	X			
NIRB Condition 26	Ensure that spills, if any, are cleaned up	X			

# Agnico Eagle Mines: Meadowbank Division Environment Department AGNICO EAGLE MEADOWBANK



	immediately and that the site is kept clean of debris, including windblown debris.			
NWB Part I Item 10 and 15	Visual sign of runoff or seepage. If so, record and report the observation and the flow.	X		
NWB Part I Item 12	Annual Geotechnical inspection completed. Date?	X		Sept 2014
Landfarm Design and Management Plan	Maximum windrow size was 15 m wide at base x 4 m high x 50 m long	X		
Landfarm Design and Management Plan	Larger coarse material (> 1") was separated from the finer material	X		
Landfarm Design and Management Plan	A record is kept for the amount of contaminated soil placed in the landfarm and the location of each load within the facility.	X		
Landfarm Design and Management Plan	Does new contaminated soil was bringing to Landfarm without authorization? If so, estimated quantity.	X		
Landfarm Design and Management Plan	A record is kept for the amount of remediated contaminated soil, disposal location and usage.	X		
Landfarm Design and Management Plan	Does some pile are remediated and ready to remove from landfarm (respect GN guideline)?	X		
Landfarm Design and Management Plan	Soil mixed mechanically with earth-moving equipment (2-4 times per year, during the summer months).  Date?	X		
Landfarm Design and Management Plan	Does the windrow are dry prior to turning? If yes, we need to moisture the pile.		X	
Landfarm Design and Management Plan	Soil treatment with sewage sludge as nutrient supplement, at least once during summer on selected windrows.	X		

# Agnico Eagle Mines: Meadowbank Division Environment Department AGNICO EAGLE MEADOWBANK



Landfarm Design and Management Plan	Windrows sampled annually at the end of the summer season. See section 4.6.2 for sampling procedure.	X		
Landfarm Design and Management Plan	Coarse-grained material assessed near the end of the summer season for PHC product and odour. PHC odours are no longer detected? If yes, removed to the PRSF and disposed of as PAG material.	X		Planned for summer
Landfarm Design and Management Plan	Does non-contaminated snow need to be removed?	X		
Landfarm Design and Management Plan	Inspected areas; condition of berm and base; previously unidentified safety concerns, Twice annually during Summer. Date?	X		
BMP	Are there any additional environmental hazards/potential impacts that require attention?	X		
MINE ACT	Are there any Health and Safety issues that should be addressed to prevent injury to workers?	X		

# Contaminated Soil Acceptable at Landfarm

Only soil contaminated with the following products may be treated in the landfarm if used onsite and spilled on soil:

- Diesel fuel
- Gasoline
- Aviation fuel (Jet A)
- Hydraulic oil
- Other light oil e.g. engine oil, lubricating oil

# Agnico Eagle Mines: Meadowbank Division Environment Department AGNICO EAGLE MEADOWBANK



Comments/Recommendations: Wo non-conformities
Environmental Personnel Name: Randa Schwardt
Signature:
Actions Corrected:
Site Service Supervisor Name:
Signature:



#### **Environmental Inspection Report for the Meadowbank Landfarm**

Date: 2015-07-08 Inspected By: Robin Allard

Location: MBK Landfarm Weekly Inspection

In Compliance with	Subject	Conform	Non-conform	N/A	Comments
NWB Part B Item 15	Sign posted to inform of a waste disposal facility in English, French, and Inuktitut.	Х			English only
NWB Part D Item 29 MBK SCP NIRB Condition 26	Are there any visual spills that can enter any water body?	X			
NWB Part F Item 6 and Item 8	Does the water need to be pumped? If yes, estimated volume in m³, analyse water and 10 days notification give to NWB?			X	
NWB Part F Item 9 NIRB Condition 12	Discharge of water >30m from ordinary high water mark			X	
NWB Part F Item 9 NIRB Condition 12	Discharge of water not causing erosion			X	
NWB Part F Item 9 NIRB Condition 12	Discharge of water not directly flowing to water body			X	
NWB Part F Item 19 NIRB Condition 12	Waste disposal area >30 m from high water mark	X			
NWB Part I Item 9	Monitoring signs are posted in English, French, and Inuktitut.	X			
NWB Part F Item 14 NIRB Condition 27	No hazardous waste present - All Hazardous waste generated is sent off site to an approved disposal facility (except contaminated soil)	X			
NIRB Condition 26	Ensure that spills, if any, are cleaned up immediately and that the site is kept clean of debris, including wind-blown debris.	х			
NWB Part I Item 10 and 15	Visual sign of runoff or seepage. If so, record and report the observation and the flow.	X			
NWB Part I Item 12	Annual Geotechnical inspection completed. Date?	X			Sept 2014
Landfarm Design and Management Plan	Maximum windrow size was 15 m wide at base x 4 m high x 50 m long	X			



Landfarm Design	Larger coarse material (>				Next summer
and Management	1") was separated from the		X		when Extec back
Plan	finer material				in order
1 1011	A record is kept for the				III or dor
Landfarm Design	amount of contaminated	X			
and Management	soil placed in the landfarm				
Plan	and the location of each				
	load within the facility.				
	Does new contaminated				
Landfarm Design	soil was bringing to	X			
and Management	Landfarm without				
Plan	authorization? If so,				
	estimated quantity.				
Landfarm Design	A record is kept for the				
and Management	amount of remediated	X			
Plan	contaminated soil, disposal				
	location and usage.				
Landfarm Design	Does some pile are			v	
and Management	remediated and ready to remove from landfarm			X	
Plan					
	(respect GN guideline)? Soil mixed mechanically		1		W0 started
Landfarm Design	with earth-moving			X	wo started
and Management	equipment (2-4 times per			^	
Plan	year, during the summer				
1 1011	months). Date?				
Landfarm Design	Does the windrow are dry				
and Management	prior to turning? If yes, we			X	
Plan	need to moisture the pile.				
	Soil treatment with				
Landfarm Design	sewage sludge as			X	
and Management	nutrient supplement, at				
Plan	least once during summer				
	on selected windrows.				
	Windrows sampled				
Landfarm Design	annually at the end of the	X			
and Management	summer season. See				
Plan	section 4.6.2 for sampling				
	procedure.				
	Coarse-grained material	**			
	assessed near the end of	X			
Landfarm Design	the summer season for PHC product and odour.				
and Management	PHC odours are no longer				
Plan	detected? If yes, removed				
	to the PRSF and disposed				
	of as PAG material.				
Landfarm Design				X	
and Management	Does non-contaminated				
Plan	snow need to be removed?				
	Inspected areas; condition				
Landfarm Design	of berm and base;	X			
and Management	previously unidentified				
Plan	safety concerns, Twice				
	annually during				
	Summer. Date?				
	Are there any additional				
BMP	environmental	X			
==	hazards/potential impacts				
	that require attention?				
	Are there any Health and	v			
MINE ACT	Safety issues that should be addressed to prevent	X			
	injury to workers?				
	mjury to workers:		I.		I



#### Contaminated Soil Acceptable at Landfarm

Only soil contaminated with the following products may be treated in the landfarm if used onsite and spilled on soil:

- Diesel fuel
- Gasoline
- Aviation fuel (Jet A)
- Hydraulic oil
- Other light oil e.g. engine oil, lubricating oil

Comments/Recommendations: Water accumulation noted. Was sampled.

**Environmental Personnel Name: Robin Allard** 

Signature:

Actions Corrected:	
Supervisor Name:	
Signature:	
· · · · · · · · · · · · · · · · · · ·	



#### **Environmental Inspection Report for the Meadowbank Landfarm**

Location: Landfarm Weekly Inspection

In Compliance with	Subject	Conform	Non- conform	N/A	Comments
NWB Part B Item 15	Sign posted to inform of a waste disposal facility in English, French, and Inuktitut.	Х			
NWB Part D Item 29 MBK SCP NIRB Condition 26	Are there any visual spills that can enter any water body?	Х			
NWB Part F Item 6 and Item 8	Does the water need to be pumped? If yes, estimated volume in m <sup>3</sup> , analyse water and 10 days notification give to NWB?			Х	
NWB Part F Item 9 NIRB Condition 12	Discharge of water >30m from ordinary high water mark			X	
NWB Part F Item 9 NIRB Condition 12	Discharge of water not causing erosion			X	
NWB Part F Item 9 NIRB Condition 12	Discharge of water not directly flowing to water body			X	
NWB Part F Item 19 NIRB Condition 12	Waste disposal area >30 m from high water mark	Х			
NWB Part I Item 9	Monitoring signs are posted in English, French, and Inuktitut.	X			
NWB Part F Item 14 NIRB Condition 27	No hazardous waste present - All Hazardous waste generated is sent off site to an approved disposal facility (except contaminated soil)	X			
NIRB Condition 26	Ensure that spills, if any, are cleaned up	X			



				•	
	immediately and that				
	the site is kept clean of				
	debris, including wind-				
	blown debris.				
	Visual sign of runoff or				
NWB Part I Item	seepage. If so, record	X			
10 and 15	and report the				
10 and 15	observation and the				
	flow.				
MILID D I I.	Annual Geotechnical	X			Sept 2014
NWB Part I Item	inspection completed.				3 TP 1 = 2 = 2
12	Date?				
Landfarm					
Design and	Maximum windrow size	X			
Management	was 15 m wide at base x	Λ			
Plan	4 m high x 50 m long				
Landfarm			X		Next summer
Design and	Larger coarse material		Λ		
Management	(> 1") was separated				when extec
Plan	from the finer material				back in order
riaii	A record is kept for the				
Landfarm	amount of	**			
	contaminated soil	X			
Design and	***************************************				
Management	placed in the landfarm				
Plan	and the location of each				
	load within the facility.				
Landfarm	Does new contaminated				
Design and	soil was bringing to	X			
Management	Landfarm without				
Plan	authorization? If so,				
1 1011	estimated quantity.				
Landfarm	A record is kept for the				
Design and	amount of remediated	X			
Management	contaminated soil,				
Plan	disposal location and				
rian	usage.				
Landfarm	Does some pile are			X	
Design and	remediated and ready				
_	to remove from				
Management	landfarm (respect GN				
Plan	guideline)?				
	Soil mixed mechanically	X			Soil being
Landfarm	with earth-moving				mixed in its
Design and	equipment (2-4 times				
Management	per year, during the				own pile as of
Plan	summer months).				30-7-2015
	Date?				
Landfarm	Does the windrow are	Х			
Design and	dry prior to turning? If	Λ			
Management	yes, we need to				
Plan	moisture the pile.				
1 1011	Soil treatment with				Will be added
Landfarm	sewage sludge as				
	nutrient supplement, at			X	once turning
Design and					of soil is
Management	least once during				complete
Plan	summer on selected				
	windrows.				



Landfarm Design and Management Plan	Windrows sampled annually at the end of the summer season. See section 4.6.2 for sampling procedure.	X		
Landfarm Design and Management Plan	Coarse-grained material assessed near the end of the summer season for PHC product and odour. PHC odours are no longer detected? If yes, removed to the PRSF and disposed of as PAG material.	X		
Landfarm Design and Management Plan	Does non-contaminated snow need to be removed?		Х	
Landfarm Design and Management Plan	Inspected areas; condition of berm and base; previously unidentified safety concerns, Twice annually during Summer. Date?	X		
ВМР	Are there any additional environmental hazards/potential impacts that require attention?	X		
MINE ACT	Are there any Health and Safety issues that should be addressed to prevent injury to workers?	Х		

Contaminated Soil Acceptable at Landfarm

Only soil contaminated with the following products may be treated in the landfarm if used onsite and spilled on soil:

- Diesel fuel
- Gasoline
- Aviation fuel (Jet A)
- Hydraulic oil
- Other light oil e.g. engine oil, lubricating oil



**Comments/Recommendations:** Serge from site services started shuffling the piles/adding the sewage on July 30th 2015.

**Environmental Personnel Name: Randy Schwandt** 

Signature:

Actions Corrected:	
Site Service Supervisor Name:	
Signature:	



#### **Environmental Inspection Report for the Meadowbank Landfarm**

Date: 2015-08-10 Inspected By: Randy Schwandt

Location: Meadowbank Landfarm Weekly Inspection

In Compliance with	Subject	Conform	Non- conform	N/A	Comments
NWB Part B Item 15	Sign posted to inform of a waste disposal facility in English, French, and Inuktitut.	Х			
NWB Part D Item 29 MBK SCP NIRB Condition 26	Are there any visual spills that can enter any water body?	X			
NWB Part F Item 6 and Item 8	Does the water need to be pumped? If yes, estimated volume in m <sup>3</sup> , analyse water and 10 days notification give to NWB?			X	
NWB Part F Item 9 NIRB Condition 12	Discharge of water >30m from ordinary high water mark			X	
NWB Part F Item 9 NIRB Condition 12	Discharge of water not causing erosion			X	
NWB Part F Item 9 NIRB Condition 12	Discharge of water not directly flowing to water body			X	
NWB Part F Item 19 NIRB Condition 12	Waste disposal area >30 m from high water mark	X			
NWB Part I Item 9	Monitoring signs are posted in English, French, and Inuktitut.	X			
NWB Part F Item 14 NIRB Condition 27	No hazardous waste present - All Hazardous waste generated is sent off site to an approved disposal facility (except contaminated soil)	Х			
NIRB Condition 26	Ensure that spills, if any, are cleaned up	X			



			_	1	
	immediately and that				
	the site is kept clean of				
	debris, including wind-				
	blown debris.				
	Visual sign of runoff or	X			
NWB Part I Item	seepage. If so, record				
10 and 15	and report the				
	observation and the				
	flow.				
NWB Part I Item	Annual Geotechnical	X			Sept 2014
12	inspection completed.				•
	Date?				
Landfarm	Maximum windrow size	X			
Design and	was 15 m wide at base x				
Management	4 m high x 50 m long				
Plan	88				
Landfarm			X		Once Extec
Design and	Larger coarse material				is fixed this
Management	(> 1") was separated				
Plan	from the finer material				will be
1 1011					worked on
	A record is kept for the	X			
Landfarm	amount of	41			
Design and	contaminated soil				
Management	placed in the landfarm				
Plan	and the location of each				
	load within the facility.				
Landfarm	Does new contaminated	X			
Design and	soil was bringing to				
Management	Landfarm without				
Plan	authorization? If so,				
1 1011	estimated quantity.				
Landfarm	A record is kept for the	X			
Design and	amount of remediated				
Management	contaminated soil,				
Plan	disposal location and				
1 1011	usage.				
Landfarm	Does some pile are			X	
Design and	remediated and ready				
Management	to remove from				
Plan	landfarm (respect GN				
- 1011	guideline)?				
, ,,	Soil mixed mechanically	X			
Landfarm	with earth-moving				
Design and	equipment (2-4 times				
Management	per year, during the				
Plan	summer months).				
T 10	Date?			1	
Landfarm	Does the windrow are	X			
Design and	dry prior to turning? If				
Management	yes, we need to				
Plan	moisture the pile.			1	
Landfarm	Soil treatment with	X			2015-8-01
Design and	sewage sludge as				(on-going)
Management	nutrient supplement, at				( 08)
Plan	least once during				
	summer on selected		1		



			1		, ,
	windrows.				
Landfarm Design and Management Plan	Windrows sampled annually at the end of the summer season. See section 4.6.2 for sampling procedure.	X			
Landfarm Design and Management Plan	Coarse-grained material assessed near the end of the summer season for PHC product and odour. PHC odours are no longer detected? If yes, removed to the PRSF and disposed of as PAG material.	X			
Landfarm Design and Management Plan	Does non-contaminated snow need to be removed?			X	
Landfarm Design and Management Plan	Inspected areas; condition of berm and base; previously unidentified safety concerns, Twice annually during Summer. Date?	X			
ВМР	Are there any additional environmental hazards/potential impacts that require attention?	X			
MINE ACT	Are there any Health and Safety issues that should be addressed to prevent injury to workers?	X			

#### Contaminated Soil Acceptable at Landfarm

Only soil contaminated with the following products may be treated in the landfarm if used onsite and spilled on soil:

- Diesel fuel
- Gasoline
- Aviation fuel (Jet A)
- Hydraulic oil
- Other light oil e.g. engine oil, lubricating oil



Comments/Recommendations: Sewage(bacteria) is still being applied to landfarm material as an on-going process, piles were turned, just waiting for the extec to be fixed so we can remove the large rock.

**Environmental Personnel Name: Randy Schwandt** 

Signature:

Actions Corrected:	
Site Service Supervisor Name:	_
Signature:	_



#### **Environmental Inspection Report for the Meadowbank Landfarm**

Location: Landfarm Weekly Inspection

In Compliance with	Subject	Conform	Non- conform	N/A	Comments
NWB Part B Item 15	Sign posted to inform of a waste disposal facility in English, French, and Inuktitut.	Х			
NWB Part D Item 29 MBK SCP NIRB Condition 26	Are there any visual spills that can enter any water body?	Х			
NWB Part F Item 6 and Item 8	Does the water need to be pumped? If yes, estimated volume in m <sup>3</sup> , analyse water and 10 days notification give to NWB?			X	
NWB Part F Item 9 NIRB Condition 12	Discharge of water >30m from ordinary high water mark			X	
NWB Part F Item 9 NIRB Condition 12	Discharge of water not causing erosion			X	
NWB Part F Item 9 NIRB Condition 12	Discharge of water not directly flowing to water body			X	
NWB Part F Item 19 NIRB Condition 12	Waste disposal area >30 m from high water mark	Х			
NWB Part I Item 9	Monitoring signs are posted in English, French, and Inuktitut.	X			
NWB Part F Item 14 NIRB Condition 27	No hazardous waste present - All Hazardous waste generated is sent off site to an approved disposal facility (except contaminated soil)	X			
NIRB Condition 26	Ensure that spills, if any, are cleaned up	X			



	immediately and that the site is kept clean of				
	debris, including windblown debris.				
NWB Part I Item 10 and 15	Visual sign of runoff or seepage. If so, record and report the observation and the flow.	Х			
NWB Part I Item 12	Annual Geotechnical inspection completed. Date?	X			Sept 2014
Landfarm Design and Management Plan	Maximum windrow size was 15 m wide at base x 4 m high x 50 m long	X			
Landfarm Design and Management Plan	Larger coarse material (> 1") was separated from the finer material		X		Extec is at landfarm, will start this asap
Landfarm Design and Management Plan	A record is kept for the amount of contaminated soil placed in the landfarm and the location of each load within the facility.	X			
Landfarm Design and Management Plan	Does new contaminated soil was bringing to Landfarm without authorization? If so, estimated quantity.	X			
Landfarm Design and Management Plan	A record is kept for the amount of remediated contaminated soil, disposal location and usage.	X			
Landfarm Design and Management Plan	Does some pile are remediated and ready to remove from landfarm (respect GN guideline)?			Х	
Landfarm Design and Management Plan	Soil mixed mechanically with earth-moving equipment (2-4 times per year, during the summer months).  Date?	X			Soil being mixed in its own pile as of 2015-07-30
Landfarm Design and Management Plan	Does the windrow are dry prior to turning? If yes, we need to moisture the pile.	Х			
Landfarm Design and Management Plan	Soil treatment with sewage sludge as nutrient supplement, at least once during summer on selected windrows.	Х			Started on 2015-08-01 and is on- going



Landfarm Design and Management Plan	Windrows sampled annually at the end of the summer season. See section 4.6.2 for sampling procedure.	X		
Landfarm Design and Management Plan	Coarse-grained material assessed near the end of the summer season for PHC product and odour. PHC odours are no longer detected? If yes, removed to the PRSF and disposed of as PAG material.	X		
Landfarm Design and Management Plan	Does non-contaminated snow need to be removed?		Х	
Landfarm Design and Management Plan	Inspected areas; condition of berm and base; previously unidentified safety concerns, Twice annually during Summer. Date?	X		
ВМР	Are there any additional environmental hazards/potential impacts that require attention?	X		
MINE ACT	Are there any Health and Safety issues that should be addressed to prevent injury to workers?	Х		

Contaminated Soil Acceptable at Landfarm

Only soil contaminated with the following products may be treated in the landfarm if used onsite and spilled on soil:

- Diesel fuel
- Gasoline
- Aviation fuel (Jet A)
- Hydraulic oil
- Other light oil e.g. engine oil, lubricating oil



**Comments/Recommendations:** Sewage(bacteria) is still being applied to landfarm material as an on-going process, piles were turned, just waiting for the extec to be fixed so we can remove the large rock.

Signature:

**Environmental Personnel Name: Randy Schwandt** 

Actions Corrected:

Site Service Supervisor Name:

Signature:



#### **Environmental Inspection Report for the Meadowbank Landfarm**

Date: 2015-09-21 Inspected By: Martin Theriault

Location: Landfarm Weekly Inspection

In Compliance with	Subject	Conform	Non- conform	N/A	Comments
NWB Part B Item 15	Sign posted to inform of a waste disposal facility in English, French, and Inuktitut.	Х			Only english
NWB Part D Item 29 MBK SCP NIRB Condition 26	Are there any visual spills that can enter any water body?	Х			
NWB Part F Item 6 and Item 8	Does the water need to be pumped? If yes, estimated volume in m <sup>3</sup> , analyse water and 10 days notification give to NWB?			X	
NWB Part F Item 9 NIRB Condition 12	Discharge of water >30m from ordinary high water mark			Х	
NWB Part F Item 9 NIRB Condition 12	Discharge of water not causing erosion			Х	
NWB Part F Item 9 NIRB Condition 12	Discharge of water not directly flowing to water body			Х	
NWB Part F Item 19 NIRB Condition 12	Waste disposal area >30 m from high water mark	Х			
NWB Part I Item 9	Monitoring signs are posted in English, French, and Inuktitut.	Х			
NWB Part F Item 14 NIRB Condition 27	No hazardous waste present - All Hazardous waste generated is sent off site to an approved disposal facility (except contaminated soil)	Х			
NIRB Condition 26	Ensure that spills, if any, are cleaned up	X			



	immediately and that		
	the site is kept clean of		
	debris, including wind-		
	blown debris. Visual sign of runoff or		
	seepage. If so, record	X	
NWB Part I Item	and report the		
10 and 15	observation and the		
	flow.		
NWB Part I Item	Annual Geotechnical		Sept 2014
12	inspection completed.		3000001
	Date?		
Landfarm	Maximum windrow size		Work in
Design and	was 15 m wide at base x		progress
Management Plan	4 m high x 50 m long		P 38
Landfarm			IAZ a sala disa
Design and	Larger coarse material		Work in
Management	(> 1") was separated		progress
Plan	from the finer material		
	A record is kept for the	X	
Landfarm	amount of		
Design and	contaminated soil		
Management	placed in the landfarm		
Plan	and the location of each		
	load within the facility.		
Landfarm	Does new contaminated soil was bringing to	X	
Design and	Landfarm without		
Management	authorization? If so,		
Plan	estimated quantity.		
Landfarm	A record is kept for the	X	
Design and	amount of remediated		
Management	contaminated soil,		
Plan	disposal location and		
	usage.		5 2015
Landfarm	Does some pile are remediated and ready	X	Done 2015-
Design and	to remove from		09
Management	landfarm (respect GN		
Plan	guideline)?		
	Soil mixed mechanically	X	
Landfarm	with earth-moving	71	
Design and	equipment (2-4 times		
Management	per year, during the		
Plan	summer months).		
Landfares	Date?		
Landfarm	Does the windrow are dry prior to turning? If	X	
Design and Management	yes, we need to		
Plan	moisture the pile.		
- 1011	Soil treatment with	X	
Landfarm	sewage sludge as	X	
Design and	nutrient supplement, at		
Management	least once during		
Plan	summer on selected		
	windrows.		



Landfarm Design and Management Plan	Windrows sampled	X		
	annually at the end of the summer season.			
	See section 4.6.2 for			
	sampling procedure.			
Landfarm Design and Management Plan	Coarse-grained material assessed near the end of the summer season for PHC product and odour. PHC odours are no longer detected? If yes, removed to the PRSF and disposed of as PAG material.	Х		
Landfarm Design and Management Plan	Does non-contaminated snow need to be removed?		X	
Landfarm Design and Management Plan	Inspected areas; condition of berm and base; previously unidentified safety concerns, Twice annually during Summer. Date?	Х		2015-09- 21
ВМР	Are there any additional environmental hazards/potential impacts that require attention?	Х		
MINE ACT	Are there any Health and Safety issues that should be addressed to prevent injury to workers?	Х		

Contaminated Soil Acceptable at Landfarm

Only soil contaminated with the following products may be treated in the landfarm if used onsite and spilled on soil:

- Diesel fuel
- Gasoline
- Aviation fuel (Jet A)
- Hydraulic oil
- Other light oil e.g. engine oil, lubricating oil



**Comments/Recommendations:** None, the segregation of coarse material is ongoing, by doing that, the soil gets mixed mechanically. The windrow size will need to be readjust once the work is completed

need to be readjust once the work is completed					
Environmental Personnel Name: Martin Theriault					
Signature:					
Actions Corrected: None					
Site Service Supervisor Name:					
Signature:					



#### **Environmental Inspection Report for the Meadowbank Landfarm**

Date: 2015-10-27 Inspected By: Randy Schwandt

Location: Landfarm Weekly Inspection

In Compliance with	Subject	Conform	Non- conform	N/A	Comments
NWB Part B Item 15	Sign posted to inform of a waste disposal facility in English, French, and Inuktitut.	X			
NWB Part D Item 29 MBK SCP NIRB Condition 26	Are there any visual spills that can enter any water body?	X			
NWB Part F Item 6 and Item 8	Does the water need to be pumped? If yes, estimated volume in m <sup>3</sup> , analyse water and 10 days notification give to NWB?			X	
NWB Part F Item 9 NIRB Condition 12	Discharge of water >30m from ordinary high water mark			X	
NWB Part F Item 9 NIRB Condition 12	Discharge of water not causing erosion			X	
NWB Part F Item 9 NIRB Condition 12	Discharge of water not directly flowing to water body			X	
NWB Part F Item 19 NIRB Condition 12	Waste disposal area >30 m from high water mark	Х			
NWB Part I Item 9	Monitoring signs are posted in English, French, and Inuktitut.	X			
NWB Part F Item 14 NIRB Condition 27	No hazardous waste present - All Hazardous waste generated is sent off site to an approved disposal facility (except contaminated soil)	X			
NIRB Condition 26	Ensure that spills, if any, are cleaned up	X			



	immediately and that			_	
	the site is kept clean of				
	debris, including wind-				
	blown debris.				
	Visual sign of runoff or				
NIMD Deat Libert	seepage. If so, record	X			
NWB Part I Item	and report the	11			
10 and 15	observation and the				
	flow.				
	Annual Geotechnical	X			Sept 2014
NWB Part I Item	inspection completed.	11			50pt 2011
12	Date?				
Landfarm					
Design and	Maximum windrow size	X			
Management	was 15 m wide at base x	Λ			
Plan	4 m high x 50 m long				
Landfarm					
Design and	Larger coarse material	**			
Management	(> 1") was separated	X			
Plan	from the finer material				
11011	A record is kept for the				
Landfarm	amount of	Х			
Design and	contaminated soil	Λ			
Management	placed in the landfarm				
Plan	and the location of each				
1 Iall	load within the facility.				
	Does new contaminated				
Landfarm	soil was bringing to	V			
Design and	Landfarm without	X			
Management	authorization? If so,				
Plan	estimated quantity.				
	A record is kept for the				
Landfarm	amount of remediated	v			
Design and	contaminated soil,	X			
Management	disposal location and				
Plan	usage.				
	Does some pile are			X	
Landfarm	remediated and ready			Λ	
Design and	to remove from				
Management	landfarm (respect GN				
Plan	guideline)?				
	Soil mixed mechanically				
Landfarm	with earth-moving	X			
Design and	equipment (2-4 times				
Management	per year, during the				
Plan	summer months).				
rian	Date?				
Landfarm	Does the windrow are	**			
Design and	dry prior to turning? If	X			
Management	yes, we need to				
Plan	moisture the pile.				
1 1011	Soil treatment with	v			
Landfarm	sewage sludge as	Х			
Design and	nutrient supplement, at				
Management	least once during				
Plan	summer on selected				
1 1011	windrows.				
	willulows.		L		



Landfarm Design and Management Plan	Windrows sampled annually at the end of the summer season. See section 4.6.2 for sampling procedure.	X		
Landfarm Design and Management Plan	Coarse-grained material assessed near the end of the summer season for PHC product and odour. PHC odours are no longer detected? If yes, removed to the PRSF and disposed of as PAG material.	Х		
Landfarm Design and Management Plan	Does non-contaminated snow need to be removed?	х		Snow was removed by site service
Landfarm Design and Management Plan	Inspected areas; condition of berm and base; previously unidentified safety concerns, Twice annually during Summer. Date?	X		
ВМР	Are there any additional environmental hazards/potential impacts that require attention?	X		
MINE ACT	Are there any Health and Safety issues that should be addressed to prevent injury to workers?	X		

Contaminated Soil Acceptable at Landfarm

Only soil contaminated with the following products may be treated in the landfarm if used onsite and spilled on soil:

- Diesel fuel
- Gasoline
- Aviation fuel (Jet A)
- Hydraulic oil
- Other light oil e.g. engine oil, lubricating oil



Comments	/Recommen	dations:
COMMITTEE	,	aution

**Environmental Personnel Name: Randy Schwandt** 

Signature: The Samuel Signature of the S

Actions Corrected:	
Site Service Supervisor Name:	
Signature:	



#### **Environmental Inspection Report for the Meadowbank Landfarm**

Date: 2015-11-04 Inspected By: Robin Allard

Location: MBK Landfarm Weekly Inspection

In Compliance with	Subject	Conform	Non-conform	N/A	Comments
NWB Part B Item 15	Sign posted to inform of a waste disposal facility in English, French, and Inuktitut.	Х			English only
NWB Part D Item 29 MBK SCP NIRB Condition 26	Are there any visual spills that can enter any water body?	X			
NWB Part F Item 6 and Item 8	Does the water need to be pumped? If yes, estimated volume in m³, analyse water and 10 days notification give to NWB?			X	
NWB Part F Item 9 NIRB Condition 12	Discharge of water >30m from ordinary high water mark			X	
NWB Part F Item 9 NIRB Condition 12	Discharge of water not causing erosion			X	
NWB Part F Item 9 NIRB Condition 12	Discharge of water not directly flowing to water body			X	
NWB Part F Item 19 NIRB Condition 12	Waste disposal area >30 m from high water mark	X			
NWB Part I Item 9	Monitoring signs are posted in English, French, and Inuktitut.			Х	
NWB Part F Item 14 NIRB Condition 27	No hazardous waste present - All Hazardous waste generated is sent off site to an approved disposal facility (except contaminated soil)	X			
NIRB Condition 26	Ensure that spills, if any, are cleaned up immediately and that the site is kept clean of debris, including wind-blown debris.	х			
NWB Part I Item 10 and 15	Visual sign of runoff or seepage. If so, record and report the observation and the flow.	X			
NWB Part I Item 12	Annual Geotechnical inspection completed. Date?	X			Sept 2014
Landfarm Design and Management Plan	Maximum windrow size was 15 m wide at base x 4 m high x 50 m long	X			



Landfarm Design	Larger coarse material (>		х	Done for the year
and Management	1") was separated from the			
Plan	finer material			
	A record is kept for the			
Landfarm Design	amount of contaminated	X		
and Management	soil placed in the landfarm			
Plan	and the location of each			
	load within the facility.			
	Does new contaminated			
Landfarm Design	soil was bringing to	X		
and Management	Landfarm without			
Plan	authorization? If so,			
	estimated quantity.			
Landfarm Design	A record is kept for the			
and Management	amount of remediated	X		
Plan	contaminated soil, disposal			
	location and usage.			
Landfarm Design	Does some pile are			
and Management	remediated and ready to		X	
Plan	remove from landfarm			
-	(respect GN guideline)?			
	Soil mixed mechanically			Done for the year
Landfarm Design	with earth-moving		X	
and Management	equipment (2-4 times per			
Plan	year, during the summer			
I IC D	months). Date?			
Landfarm Design	Does the windrow are dry prior to turning? If yes, we		X	
and Management Plan	need to moisture the pile.		Λ	
Flall	Soil treatment with			Done for the year
Landfarm Design	sewage sludge as		X	Done for the year
and Management	nutrient supplement, at		^	
Plan	least once during summer			
1 Idii	on selected windrows.			
	Windrows sampled			
Landfarm Design	annually at the end of the	X		
and Management	summer season. See	••		
Plan	section 4.6.2 for sampling			
	procedure.			
	Coarse-grained material			
	assessed near the end of	X		
I 16 D	the summer season for			
Landfarm Design	PHC product and odour.			
and Management Plan	PHC odours are no longer			
Fiaii	detected? If yes, removed			
	to the PRSF and disposed			
	of as PAG material.			
Landfarm Design	Does non-contaminated		X	
and Management	snow need to be removed?			
Plan				
	Inspected areas; condition			
Landfarm Design	of berm and base;	X		
and Management	previously unidentified			
Plan	safety concerns, Twice			
	annually during			
	Summer. Date?			
ВМР	Are there any additional	v		
	environmental	X		
	hazards/potential impacts			
	that require attention?			
	Are there any Health and Safety issues that should	X		
MINE ACT	be addressed to prevent	Λ		
	injury to workers?			
	injury to workers:		I	



#### Contaminated Soil Acceptable at Landfarm

Only soil contaminated with the following products may be treated in the landfarm if used onsite and spilled on soil:

- Diesel fuel
- Gasoline
- Aviation fuel (Jet A)
- Hydraulic oil
- Other light oil e.g. engine oil, lubricating oil

**Comments/Recommendations:** no issues were noted.

**Environmental Personnel Name: Robin Allard** 

Signature:

Actions Corrected:	
Supervisor Name:	
Signature:	



#### **Environmental Inspection Report for the Meadowbank Landfarm**

Date: 2015-11-20 Inspected By: Randy Schwandt

Location: Landfarm Weekly Inspection

In Compliance with	Subject	Conform	Non- conform	N/A	Comments
NWB Part B Item 15	Sign posted to inform of a waste disposal facility in English, French, and Inuktitut.	X			English only
NWB Part D Item 29 MBK SCP NIRB Condition 26	Are there any visual spills that can enter any water body?	Х			
NWB Part F Item 6 and Item 8	Does the water need to be pumped? If yes, estimated volume in m <sup>3</sup> , analyse water and 10 days notification give to NWB?			Х	
NWB Part F Item 9 NIRB Condition 12	Discharge of water >30m from ordinary high water mark			X	
NWB Part F Item 9 NIRB Condition 12	Discharge of water not causing erosion			X	
NWB Part F Item 9 NIRB Condition 12	Discharge of water not directly flowing to water body			Х	
NWB Part F Item 19 NIRB Condition 12	Waste disposal area >30 m from high water mark	Х			
NWB Part I Item 9	Monitoring signs are posted in English, French, and Inuktitut.			Х	
NWB Part F Item 14 NIRB Condition 27	No hazardous waste present - All Hazardous waste generated is sent off site to an approved disposal facility (except contaminated soil)	X			
NIRB Condition 26	Ensure that spills, if any, are cleaned up	X			



				•
	immediately and that			
	the site is kept clean of			
	debris, including wind-			
	blown debris.			
	Visual sign of runoff or			
	seepage. If so, record	X		
NWB Part I Item	and report the	Λ		
10 and 15	observation and the			
	flow.			
	Annual Geotechnical	X		Sept 2014
NWB Part I Item	inspection completed.	Λ		3ept 2014
12	Date?			
I am dfarma	Date:			
Landfarm	Maximum windrow size			
Design and	was 15 m wide at base x	X		
Management	4 m high x 50 m long			
Plan	8 8			
Landfarm	I angon goorge material		X	Done for this
Design and	Larger coarse material			year will be
Management	(> 1") was separated			planned for
Plan	from the finer material			next
	A record is kept for the			HEAL
Landfarm	amount of	**		
	contaminated soil	X		
Design and				
Management	placed in the landfarm			
Plan	and the location of each			
	load within the facility.			
Landfarm	Does new contaminated			
Design and	soil was bringing to	X		
Management	Landfarm without			
Plan	authorization? If so,			
1 Iali	estimated quantity.			
Landfarm	A record is kept for the			
	amount of remediated	X		
Design and	contaminated soil,			
Management	disposal location and			
Plan	usage.			
	Does some pile are		X	
Landfarm	remediated and ready		**	
Design and	to remove from			
Management	landfarm (respect GN			
Plan	guideline)?			
	Soil mixed mechanically		X	Done for the year
Landfarm	with earth-moving		Λ	Done for the year
Design and	equipment (2-4 times			
Management	per year, during the			
Plan	summer months).			
T 10	Date?			
Landfarm	Does the windrow are		X	
Design and	dry prior to turning? If			
Management	yes, we need to			
Plan	moisture the pile.			
	Soil treatment with			Done for the year
Landfarm	sewage sludge as		X	
Design and	nutrient supplement, at			
Management	least once during			
Plan	summer on selected			
	windrows.			
	1			



Landfarm	Windrows sampled			
Design and	annually at the end of the summer season.	X		
Management	See section 4.6.2 for			
Plan	sampling procedure.			
Landfarm Design and Management Plan	Coarse-grained material assessed near the end of the summer season for PHC product and odour. PHC odours are no longer detected? If yes, removed to the PRSF	X		
	and disposed of as PAG material.			
Landfarm Design and Management Plan	Does non-contaminated snow need to be removed?		Х	
Landfarm Design and Management Plan	Inspected areas; condition of berm and base; previously unidentified safety concerns, Twice annually during Summer. Date?	X		
ВМР	Are there any additional environmental hazards/potential impacts that require attention?	X		
MINE ACT	Are there any Health and Safety issues that should be addressed to prevent injury to workers?	Х		

#### Contaminated Soil Acceptable at Landfarm

Only soil contaminated with the following products may be treated in the landfarm if used onsite and spilled on soil:

- Diesel fuel
- Gasoline
- Aviation fuel (Jet A)
- Hydraulic oil
- Other light oil e.g. engine oil, lubricating oil



**Comments/Recommendations:** No non-complainces with the Landfarm inspection- Extec is still in the area/Will check to see if it will be moved. With recent snowfall some areas are in need of snow removal.

Signature:

**Environmental Personnel Name: Randy Schwandt** 

Actions Corrected:

Site Service Supervisor Name:

Signature:



#### **Environmental Inspection Report for the Meadowbank Landfarm**

Date: 2015-11-25 Inspected By: Robin Allard

Location: MBK Landfarm Weekly Inspection

In Compliance with	Subject	Conform	Non-conform	N/A	Comments
NWB Part B Item 15	Sign posted to inform of a waste disposal facility in English, French, and Inuktitut.	X			English only
NWB Part D Item 29 MBK SCP NIRB Condition 26	Are there any visual spills that can enter any water body?	X			
NWB Part F Item 6 and Item 8	Does the water need to be pumped? If yes, estimated volume in m³, analyse water and 10 days notification give to NWB?			X	
NWB Part F Item 9 NIRB Condition 12	Discharge of water >30m from ordinary high water mark			X	
NWB Part F Item 9 NIRB Condition 12	Discharge of water not causing erosion			X	
NWB Part F Item 9 NIRB Condition 12	Discharge of water not directly flowing to water body			X	
NWB Part F Item 19 NIRB Condition 12	Waste disposal area >30 m from high water mark	X			
NWB Part I Item 9	Monitoring signs are posted in English, French, and Inuktitut.			Х	
NWB Part F Item 14 NIRB Condition 27	No hazardous waste present - All Hazardous waste generated is sent off site to an approved disposal facility (except contaminated soil)	X			
NIRB Condition 26	Ensure that spills, if any, are cleaned up immediately and that the site is kept clean of debris, including wind-blown debris.	х			
NWB Part I Item 10 and 15	Visual sign of runoff or seepage. If so, record and report the observation and the flow.	X			
NWB Part I Item 12	Annual Geotechnical inspection completed. Date?	X			Sept 2014
Landfarm Design and Management Plan	Maximum windrow size was 15 m wide at base x 4 m high x 50 m long	X			



	T		,		1
Landfarm Design	Larger coarse material (>			X	Done for the year
and Management	1") was separated from the				
Plan	finer material				
	A record is kept for the			·	
Landfarm Design	amount of contaminated	X			
and Management	soil placed in the landfarm				
Plan	and the location of each				
	load within the facility.				
	Does new contaminated				
Landfarm Design	soil was bringing to	X			
and Management	Landfarm without				
Plan	authorization? If so,				
1 1411	estimated quantity.				
	A record is kept for the				
Landfarm Design	amount of remediated	Х			
and Management	contaminated soil, disposal	Λ			
Plan					
	location and usage.				
Landfarm Design	Does some pile are			v	
and Management	remediated and ready to			X	
Plan	remove from landfarm				
	(respect GN guideline)?				<u> </u>
	Soil mixed mechanically				Done for the year
Landfarm Design	with earth-moving			X	
and Management	equipment (2-4 times per				
Plan	year, during the summer				
	months). Date?				
Landfarm Design	Does the windrow are dry				
and Management	prior to turning? If yes, we			X	
Plan	need to moisture the pile.				
	Soil treatment with				Done for the year
Landfarm Design	sewage sludge as			X	
and Management	nutrient supplement, at				
Plan	least once during summer				
****	on selected windrows.				
	Windrows sampled				
Landfarm Design	annually at the end of the	X			
and Management	summer season. See	, A			
Plan	section 4.6.2 for sampling				
. 1011	procedure.				
	Coarse-grained material				
	assessed near the end of	Х			
	the summer season for	^			
Landfarm Design					
and Management	PHC product and odour.				
Plan	PHC odours are no longer				
	detected? If yes, removed				
	to the PRSF and disposed				
v 10	of as PAG material.				
Landfarm Design	Does non-contaminated			X	
and Management	snow need to be removed?				
Plan			ļ		
	Inspected areas; condition				
Landfarm Design	of berm and base;	X			
and Management	previously unidentified				
	safety concerns, Twice				
Plan	annually during				
	Summer. Date?				
DMD	Are there any additional				
	environmental	X			
BMP	hazards/potential impacts				
	that require attention?				
	Are there any Health and				
	Safety issues that should	X			
MINE ACT	be addressed to prevent				
	injury to workers?				
	injury to workers:				ı



#### Contaminated Soil Acceptable at Landfarm

Only soil contaminated with the following products may be treated in the landfarm if used onsite and spilled on soil:

- Diesel fuel
- Gasoline
- Aviation fuel (Jet A)
- Hydraulic oil
- Other light oil e.g. engine oil, lubricating oil

**Comments/Recommendations:** No issues were noted.

**Environmental Personnel Name: Robin Allard** 

Signature:

<b>Actions Corrected</b>			
Supervisor Name:			
	Signature:		



#### **Environmental Inspection Report for the Meadowbank Landfarm**

Date: 2015-12-01 Inspected By: Randy Schwandt

Location: Meadowbank Land farm Weekly Inspection

In Compliance with	Subject	Conform	Non- conform	N/A	Comments
NWB Part B Item 15	Sign posted to inform of a waste disposal facility in English, French, and Inuktitut.	Х			English only
NWB Part D Item 29 MBK SCP NIRB Condition 26	Are there any visual spills that can enter any water body?	X			
NWB Part F Item 6 and Item 8	Does the water need to be pumped? If yes, estimated volume in m <sup>3</sup> , analyse water and 10 days notification give to NWB?			X	
NWB Part F Item 9 NIRB Condition 12	Discharge of water >30m from ordinary high water mark			X	
NWB Part F Item 9 NIRB Condition 12	Discharge of water not causing erosion			X	
NWB Part F Item 9 NIRB Condition 12	Discharge of water not directly flowing to water body			Х	
NWB Part F Item 19 NIRB Condition 12	Waste disposal area >30 m from high water mark	X			
NWB Part I Item 9	Monitoring signs are posted in English, French, and Inuktitut.			X	
NWB Part F Item 14 NIRB Condition 27	No hazardous waste present - All Hazardous waste generated is sent off site to an approved disposal facility (except contaminated soil)	X			
NIRB Condition 26	Ensure that spills, if any, are cleaned up	X			



	immediately and that the site is kept clean of debris, including wind- blown debris.			
NWB Part I Item 10 and 15	Visual sign of runoff or seepage. If so, record and report the observation and the flow.	X		
NWB Part I Item 12	Annual Geotechnical inspection completed. Date?	X		
Landfarm Design and Management Plan	Maximum windrow size was 15 m wide at base x 4 m high x 50 m long	X		
Landfarm Design and Management Plan	Larger coarse material (> 1") was separated from the finer material		X	Done for the year
Landfarm Design and Management Plan	A record is kept for the amount of contaminated soil placed in the landfarm and the location of each load within the facility.	X		
Landfarm Design and Management Plan	Does new contaminated soil was bringing to Landfarm without authorization? If so, estimated quantity.	Х		
Landfarm Design and Management Plan	A record is kept for the amount of remediated contaminated soil, disposal location and usage.	X		
Landfarm Design and Management Plan	Does some pile are remediated and ready to remove from landfarm (respect GN guideline)?		X	
Landfarm Design and Management Plan	Soil mixed mechanically with earth-moving equipment (2-4 times per year, during the summer months).  Date?		X	
Landfarm Design and Management Plan	Does the windrow are dry prior to turning? If yes, we need to moisture the pile.		Х	
Landfarm Design and Management Plan	Soil treatment with sewage sludge as nutrient supplement, at least once during summer on selected windrows.		Х	



Landfarm annually at the end of the summer season. See section 4.6.2 for sampling procedure.  Landfarm Design and Management Plan  Are there any additional environmental impacts that require attention?  Are there any Health and Safety issues that should be addressed to prevent injury to workers?		Windrawa campled			
Management Plan  The summer season See section 4.6.2 for sampling procedure.  Coarse-grained material assessed near the end of the summer season for PHC product and odour. PHC odours are no longer detected? If yes, removed to the PRSF and disposed of as PAG material.  Landfarm Design and Management Plan  Des non-contaminated snow need to be removed?  Landfarm Design and Management Plan  Landfarm Design and Management Plan  Inspected areas; condition of berm and base; previously unidentified safety concerns, Twice annually during Summer. Date?  Are there any additional environmental hazards/potential impacts that require attention?  Are there any Health and Safety issues that should be addressed to prevent injury to	Landfarm	Windrows sampled	X		
Management Plan  See section 4.6.2 for sampling procedure.  Coarse-grained material assessed near the end of the summer season for PHC product and odour. PHC odours are no longer detected? If yes, removed to the PRSF and disposed of as PAG material.  Landfarm Design and Management Plan  Landfarm Design and Management Plan  Inspected areas; condition of berm and base; previously unidentified safety concerns, Twice annually during Summer. Date?  Are there any additional environmental hazards/potential impacts that require attention?  Are there any Health and Safety issues that should be addressed to prevent injury to	Design and				
Plan sampling procedure.  Coarse-grained material assessed near the end of the summer season for PHC product and odour. PHC product and odour. PHC odours are no longer detected? If yes, removed to the PRSF and disposed of as PAG material.  Landfarm Design and Management Plan  Landfarm Design and Management Plan  Inspected areas; condition of berm and base; previously unidentified safety concerns, Twice annually during Summer. Date?  Are there any additional environmental hazards/potential impacts that require attention?  Are there any Health and Safety issues that should be addressed to prevent injury to	Management				
Landfarm Design and Management Plan  Landfarm Design and Management Plan  Does non-contaminated snow need to be removed?  Landfarm Design and Management Plan  Does non-contaminated snow need to be removed?  Inspected areas; condition of berm and base; previously unidentified safety concerns, Twice annually during Summer. Date?  Are there any additional environmental impacts that require attention?  Are there any Health and Safety issues that should be addressed to prevent injury to	Plan				
assessed near the end of the summer season for PHC product and odour. PHC odours are no longer detected? If yes, removed to the PRSF and disposed of as PAG material.  Landfarm Design and Management Plan  Landfarm Design and Management Plan  Landfarm Design and Management Plan  Inspected areas; condition of berm and base; previously unidentified safety concerns, Twice annually during Summer. Date?  Are there any additional environmental impacts that require attention?  Are there any Health and Safety issues that should be addressed to prevent injury to					
Landfarm Design and Management Plan  Landfarm Design and Management Plan  Does non-contaminated snow need to be removed?  Landfarm Design and Management Plan  Does non-contaminated snow need to be removed?  Landfarm Design and Management Plan  Inspected areas; condition of berm and base; previously unidentified safety concerns, Twice annually during Summer. Date?  Are there any additional environmental hazards/potential impacts that require attention?  Are there any Health and Safety issues that should be addressed to prevent injury to			X		
Landfarm Design and Management Plan  Earn disposed of as PAG material.  Landfarm Design and Management Plan  Does non-contaminated snow need to be removed?  Landfarm Design and Management Plan  Landfarm Design and Management Plan  Landfarm Design and Management Plan  Are there any Health and Safety issues that should be addressed to prevent injury to					
Management Plan  PHC odours are no longer detected? If yes, removed to the PRSF and disposed of as PAG material.  Landfarm Design and Management Plan  Does non-contaminated snow need to be removed?  Landfarm Design and Management Plan  Inspected areas; condition of berm and base; previously unidentified safety concerns, Twice annually during Summer. Date?  Are there any additional environmental hazards/potential impacts that require attention?  Are there any Health and Safety issues that should be addressed to prevent injury to					
Management Plan  longer detected? If yes, removed to the PRSF and disposed of as PAG material.  Landfarm Design and Management Plan  longer detected? If yes, removed to the PRSF and disposed of as PAG material.  X  Does non-contaminated snow need to be removed?  Inspected areas; condition of berm and base; previously unidentified safety concerns, Twice annually during Summer. Date?  Are there any additional environmental hazards/potential impacts that require attention?  Are there any Health and Safety issues that should be addressed to prevent injury to		1			
removed to the PRSF and disposed of as PAG material.  Landfarm Design and Management Plan  Inspected areas; condition of berm and base; previously unidentified safety concerns, Twice annually during Summer. Date?  Are there any additional environmental impacts that require attention?  Are there any Health and Safety issues that should be addressed to prevent injury to					
Landfarm Design and Management Plan  Inspected areas; condition of berm and base; previously unidentified safety concerns, Twice annually during Summer. Date?  Are there any additional environmental impacts that require attention?  Are there any Health and Safety issues that should be addressed to prevent injury to  X  X  X  X  X  X  X  X  X  X  X  X  X	Plan				
Landfarm Design and Management Plan  Inspected areas; condition of berm and base; previously unidentified safety concerns, Twice annually during Summer. Date?  Are there any additional environmental impacts that require attention?  Are there any Health and Safety issues that should be addressed to prevent injury to  X  X  X  X  X  X  X  X  X  X  X  X  X		and disposed of as PAG			
Design and Management Plan  Landfarm Design and Management Plan  Inspected areas; Condition of berm and base; previously unidentified safety concerns, Twice annually during Summer. Date?  Are there any additional environmental hazards/potential impacts that require attention?  Are there any Health and Safety issues that should be addressed to prevent injury to		-			
Design and Management Plan  Inspected areas; condition of berm and base; previously unidentified safety concerns, Twice annually during Summer. Date?  Are there any additional environmental impacts that require attention?  Are there any Health and Safety issues that should be addressed to prevent injury to  Summer. Date?  Are there any Health and Safety issues that should be addressed to prevent injury to	Landfarm	Door non contaminated		Х	
Management Plan  Inspected areas;					
Landfarm Design and Management Plan  Are there any addition?  Are there any Health and Safety issues that should be addressed to prevent injury to  Inspected areas; X  X  X  X  X  X  X  X  X  X  X  X  X					
Landfarm Design and Management Plan  Are there any Health and Safety issues that should be addressed to prevent injury to	Plan				
Landfarm Design and Management Plan  BMP  Are there any additional environmental impacts that require attention?  Are there any Health and Safety issues that should be addressed to prevent injury to			X		
Management Plan  unidentified safety concerns, Twice annually during Summer. Date?  Are there any additional environmental hazards/potential impacts that require attention?  Are there any Health and Safety issues that should be addressed to prevent injury to	Landfarm				
Management Plan  Unidentified safety concerns, Twice annually during Summer. Date?  Are there any additional environmental hazards/potential impacts that require attention?  Are there any Health and Safety issues that should be addressed to prevent injury to	Design and				
annually during Summer. Date?  Are there any additional environmental hazards/potential impacts that require attention?  Are there any Health and Safety issues that should be addressed to prevent injury to	_				
Summer. Date?  Are there any additional environmental hazards/potential impacts that require attention?  Are there any Health and Safety issues that should be addressed to prevent injury to	Plan				
Are there any additional environmental hazards/potential impacts that require attention?  Are there any Health and Safety issues that should be addressed to prevent injury to					
environmental hazards/potential impacts that require attention?  Are there any Health and Safety issues that should be addressed to prevent injury to			**		
BMP hazards/potential impacts that require attention?  Are there any Health and Safety issues that should be addressed to prevent injury to		3	X		
impacts that require attention?  Are there any Health and Safety issues that should be addressed to prevent injury to	RMD	***************************************			
attention?  Are there any Health	DIVII				
Are there any Health and Safety issues that should be addressed to prevent injury to					
and Safety issues that should be addressed to prevent injury to			v		
MINE ACT should be addressed to prevent injury to			Х		
prevent injury to	MINE ACT				
	_				

Contaminated Soil Acceptable at Landfarm

Only soil contaminated with the following products may be treated in the landfarm if used onsite and spilled on soil:

- Diesel fuel
- Gasoline
- Aviation fuel (Jet A)
- Hydraulic oil
- Other light oil e.g. engine oil, lubricating oil



Comments/Recommendations:	
Environmental Personnel Name:	
Signature:	
Actions Corrected:	
	_
	-
	_
Site Service Supervisor Name:	
Signature:	



#### **Environmental Inspection Report for the Meadowbank Landfarm**

**Date:** 2015-12-10 **Inspected By:** Martin Theriault

Location: Landfarm Weekly Inspection

In Compliance with	Subject	Conform	Non- conform	N/A	Comments
NWB Part B Item 15	Sign posted to inform of a waste disposal facility in English, French, and Inuktitut.	Х			
NWB Part D Item 29 MBK SCP NIRB Condition 26	Are there any visual spills that can enter any water body?	Х			
NWB Part F Item 6 and Item 8	Does the water need to be pumped? If yes, estimated volume in m <sup>3</sup> , analyse water and 10 days notification give to NWB?			X	
NWB Part F Item 9 NIRB Condition 12	Discharge of water >30m from ordinary high water mark			X	
NWB Part F Item 9 NIRB Condition 12	Discharge of water not causing erosion			X	
NWB Part F Item 9 NIRB Condition 12	Discharge of water not directly flowing to water body			X	
NWB Part F Item 19 NIRB Condition 12	Waste disposal area >30 m from high water mark	Х			
NWB Part I Item 9	Monitoring signs are posted in English, French, and Inuktitut.	X			
NWB Part F Item 14 NIRB Condition 27	No hazardous waste present - All Hazardous waste generated is sent off site to an approved disposal facility (except contaminated soil)	X			
NIRB Condition 26	Ensure that spills, if any, are cleaned up	X			



	immediately and that the site is kept clean of				
	debris, including windblown debris.				
NWB Part I Item 10 and 15	Visual sign of runoff or seepage. If so, record and report the observation and the flow.	X			
NWB Part I Item 12	Annual Geotechnical inspection completed. Date?	X			
Landfarm Design and Management Plan	Maximum windrow size was 15 m wide at base x 4 m high x 50 m long	X			
Landfarm Design and Management Plan	Larger coarse material (> 1") was separated from the finer material	x	х		Half of it done, the rest next summer
Landfarm Design and Management Plan	A record is kept for the amount of contaminated soil placed in the landfarm and the location of each load within the facility.	X			
Landfarm Design and Management Plan	Does new contaminated soil was bringing to Landfarm without authorization? If so, estimated quantity.	X			
Landfarm Design and Management Plan	A record is kept for the amount of remediated contaminated soil, disposal location and usage.	X			
Landfarm Design and Management Plan	Does some pile are remediated and ready to remove from landfarm (respect GN guideline)?			X	
Landfarm Design and Management Plan	Soil mixed mechanically with earth-moving equipment (2-4 times per year, during the summer months).  Date?	X			
Landfarm Design and Management Plan	Does the windrow are dry prior to turning? If yes, we need to moisture the pile.	Х			
Landfarm Design and Management Plan	Soil treatment with sewage sludge as nutrient supplement, at least once during summer on selected windrows.	X			



Landfarm Design and Management Plan	Windrows sampled annually at the end of the summer season. See section 4.6.2 for sampling procedure.	X		
Landfarm Design and Management Plan	Coarse-grained material assessed near the end of the summer season for PHC product and odour. PHC odours are no longer detected? If yes, removed to the PRSF and disposed of as PAG material.	X		
Landfarm Design and Management Plan	Does non-contaminated snow need to be removed?		Х	During spring
Landfarm Design and Management Plan	Inspected areas; condition of berm and base; previously unidentified safety concerns, Twice annually during Summer. Date?	X		
ВМР	Are there any additional environmental hazards/potential impacts that require attention?	X		
MINE ACT	Are there any Health and Safety issues that should be addressed to prevent injury to workers?	Х		

Contaminated Soil Acceptable at Landfarm

Only soil contaminated with the following products may be treated in the landfarm if used onsite and spilled on soil:

- Diesel fuel
- Gasoline
- Aviation fuel (Jet A)
- Hydraulic oil
- Other light oil e.g. engine oil, lubricating oil



**Comments/Recommendations:** Removal of the snow to be done next spring and segregation of coarse material to be completed next summer.

**Environmental Personnel Name: Martin Theriault** 

Signature:

Actions Corrected:	
Site Service Supervisor Name:	
Signature:	



#### **Environmental Inspection Report for the Meadowbank Landfarm**

Date: 2015-12-21 Inspected By: Tom T/Randy S

Location: 11:05 Weekly Inspection

In Compliance with	Subject	Conform	Non- conform	N/A	Comments
NWB Part B Item 15	Sign posted to inform of a waste disposal facility in English, French, and Inuktitut.	Х			
NWB Part D Item 29 MBK SCP NIRB Condition 26	Are there any visual spills that can enter any water body?	X			
NWB Part F Item 6 and Item 8	Does the water need to be pumped? If yes, estimated volume in m <sup>3</sup> , analyse water and 10 days notification give to NWB?			х	
NWB Part F Item 9 NIRB Condition 12	Discharge of water >30m from ordinary high water mark			Х	
NWB Part F Item 9 NIRB Condition 12	Discharge of water not causing erosion			Х	
NWB Part F Item 9 NIRB Condition 12	Discharge of water not directly flowing to water body			Х	
NWB Part F Item 19 NIRB Condition 12	Waste disposal area >30 m from high water mark	Х			
NWB Part I Item 9	Monitoring signs are posted in English, French, and Inuktitut.	Х			
NWB Part F Item 14 NIRB Condition 27	No hazardous waste present - All Hazardous waste generated is sent off site to an approved disposal facility (except contaminated soil)	Х			
NIRB Condition 26	Ensure that spills, if any, are cleaned up	X			



	1		,	,
	immediately and that			
	the site is kept clean of			
	debris, including wind-			
	blown debris.			
	Visual sign of runoff or			
NWB Part I Item	seepage. If so, record			
10 and 15	and report the	X		
10 and 15	observation and the			
	flow.			
	Annual Geotechnical	Х		Sept 2015
NWB Part I Item	inspection completed.	Λ		3ept 2013
12	Date?			
Landfarm				
Design and	Maximum windrow size			
Management	was 15 m wide at base x	X		
Plan	4 m high x 50 m long			
Landfarm				
	Larger coarse material			
Design and	(> 1") was separated			
Management Plan	from the finer material			
Plan	A second in least Courtle			
T 10	A record is kept for the			
Landfarm	amount of	Х		
Design and	contaminated soil	**		
Management	placed in the landfarm			
Plan	and the location of each			
	load within the facility.			
Landfarm	Does new contaminated			
Design and	soil was bringing to	X		
Management	Landfarm without	Λ		
Plan	authorization? If so,			
1 Iall	estimated quantity.			
Landfarm	A record is kept for the			
Design and	amount of remediated	37		
Management	contaminated soil,	X		
Plan	disposal location and			
Piali	usage.			
I am déanns	Does some pile are			
Landfarm	remediated and ready			
Design and	to remove from	X		
Management	landfarm (respect GN			
Plan	guideline)?			
	Soil mixed mechanically			
Landfarm	with earth-moving			
Design and	equipment (2-4 times	X		
Management	per year, during the			
Plan	summer months).			
1 1011	Date?			
Landfarm	Does the windrow are			
Design and	dry prior to turning? If			
Management	yes, we need to	X		
Plan	moisture the pile.			
1 1411	Soil treatment with			
Landfarm	sewage sludge as			
		X		
Design and	nutrient supplement, at	· <u>-</u>		
Management	least once during			
Plan	summer on selected			
	windrows.			



Landfarm Design and Management Plan	Windrows sampled annually at the end of the summer season. See section 4.6.2 for sampling procedure.	Х		
Landfarm Design and Management Plan	Coarse-grained material assessed near the end of the summer season for PHC product and odour. PHC odours are no longer detected? If yes, removed to the PRSF and disposed of as PAG material.	X		
Landfarm Design and Management Plan	Does non-contaminated snow need to be removed?	х	X	
Landfarm Design and Management Plan	Inspected areas; condition of berm and base; previously unidentified safety concerns, Twice annually during Summer. Date?	X		
ВМР	Are there any additional environmental hazards/potential impacts that require attention?	Х		
MINE ACT	Are there any Health and Safety issues that should be addressed to prevent injury to workers?	Х		

Contaminated Soil Acceptable at Landfarm

Only soil contaminated with the following products may be treated in the landfarm if used onsite and spilled on soil:

- Diesel fuel
- Gasoline
- Aviation fuel (Jet A)
- Hydraulic oil
- Other light oil e.g. engine oil, lubricating oil



**Comments/Recommendations:** No non-conformities were observed. ENV will coordinate/ask S/S for assistance to have snow removed so that a larger area of space is available for contaminated soil.

**Environmental Personnel Name: Tom Thomson** 

Signature:	
Actions Corrected:	
Site Service Supervisor Name:	
Signature:	



#### **Environmental Inspection Report for the Meadowbank Landfarm**

**Location:** Meadowbank Landfarm

#### **Weekly Inspection**

In Compliance with	Subject	Conform	Non- conform	N/A	Comments
NWB Part B Item 15	Sign posted to inform of a waste disposal facility in English, French, and Inuktitut.	Х			
NWB Part D Item 29 MBK SCP NIRB Condition 26	Are there any visual spills that can enter any water body?	Х			
NWB Part F Item 6 and Item 8	Does the water need to be pumped? If yes, estimated volume in m <sup>3</sup> , analyse water and 10 days notification give to NWB?			Х	
NWB Part F Item 9 NIRB Condition 12	Discharge of water >30m from ordinary high water mark			Х	
NWB Part F Item 9 NIRB Condition 12	Discharge of water not causing erosion			Х	
NWB Part F Item 9 NIRB Condition 12	Discharge of water not directly flowing to water body			Х	
NWB Part F Item 19 NIRB Condition 12	Waste disposal area >30 m from high water mark	Х			
NWB Part I Item 9	Monitoring signs are posted in English, French, and Inuktitut.	Х			
NWB Part F Item 14 NIRB Condition 27	No hazardous waste present - All Hazardous waste generated is sent off site to an approved disposal facility (except contaminated soil)	Х			
NIRB Condition 26	Ensure that spills, if any, are cleaned up	Х			



	1		,	,
	immediately and that			
	the site is kept clean of			
	debris, including wind-			
	blown debris.			
	Visual sign of runoff or			
NWB Part I Item	seepage. If so, record			
10 and 15	and report the	X		
10 and 15	observation and the			
	flow.			
	Annual Geotechnical	Х		Sept 2015
NWB Part I Item	inspection completed.	Λ		3ept 2013
12	Date?			
Landfarm				
Design and	Maximum windrow size			
Management	was 15 m wide at base x	X		
Plan	4 m high x 50 m long			
Landfarm				
	Larger coarse material			
Design and	(> 1") was separated	X		
Management Plan	from the finer material			
Plan	A second in least Courtle			
T 10	A record is kept for the			
Landfarm	amount of	Х		
Design and	contaminated soil	**		
Management	placed in the landfarm			
Plan	and the location of each			
	load within the facility.			
Landfarm	Does new contaminated			
Design and	soil was bringing to	X		
Management	Landfarm without	Λ		
Plan	authorization? If so,			
Fiall	estimated quantity.			
Landfarm	A record is kept for the			
Design and	amount of remediated			
	contaminated soil,	X		
Management Plan	disposal location and			
Pian	usage.			
T 10	Does some pile are			
Landfarm	remediated and ready			
Design and	to remove from	X		
Management	landfarm (respect GN			
Plan	guideline)?			
	Soil mixed mechanically			
Landfarm	with earth-moving			
Design and	equipment (2-4 times	X		
Management	per year, during the			
Plan	summer months).			
1 1011	Date?			
Landfarm	Does the windrow are			
Design and	dry prior to turning? If			
Management	yes, we need to	X		
Plan	moisture the pile.			
r Idli	Soil treatment with			
Landfarm				
Landfarm	sewage sludge as	X		
Design and	nutrient supplement, at			
Management	least once during			
Plan	summer on selected			
	windrows.			



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Landfarm Design and Management Plan	Windrows sampled annually at the end of the summer season. See section 4.6.2 for sampling procedure.	X		
Landfarm Design and Management Plan	Coarse-grained material assessed near the end of the summer season for PHC product and odour. PHC odours are no longer detected? If yes, removed to the PRSF and disposed of as PAG material.	X		
Landfarm Design and Management Plan	Does non-contaminated snow need to be removed?	Х		Had site service remove snow
Landfarm Design and Management Plan	Inspected areas; condition of berm and base; previously unidentified safety concerns, Twice annually during Summer. Date?	х		
ВМР	Are there any additional environmental hazards/potential impacts that require attention?	х		
MINE ACT	Are there any Health and Safety issues that should be addressed to prevent injury to workers?	X		

#### Contaminated Soil Acceptable at Landfarm

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**Comments/Recommendations:** No non-conformites were observed, Site service removed a large amount of snow. New piles were pushed together to create more room for more incoming contaminated soil, I took photos and put them in our v-drive under spills for December.

**Environmental Personnel Name: Randy Schwandt** 

Signature:

Actions Corrected:	
Site Service Supervisor Name:	
•	
Signature:	