Appendix 23

Meadowbank 2023 GN Spill Reports



NT-NU 24-HOUR SPILL REPORT LINE TEL: (867) 920-8130 FAX: (867) 873-6924

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

EMAIL: spills@gov.nt.ca

A	REPORT DATE: MONTH – DAY – 2023-01-06	YEAR		REPORT T 13:00	IME	CRIGINAL SPILL REF	PORT,	REPORT NUMBER
В	OCCURRENCE DATE: MONTH – 2023-01-05	DAY – YEAR		OCCURRE 13:35	NCE TIME	UPDATE # TO THE ORIGINAL SPIL	L REPORT	.
С	LAND USE PERMIT NUMBER (IF	APPLICABLE)	I		NATER LICENCE NUMBER			
D	GEOGRAPHIC PLACE NAME OF AWAR - KM97	DISTANCE AND DIRECTIO	N FROM NAMED LC	DCATION		UT 🗆 ADJACENT JUF	RISDICTION	
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G	ANY CONTRACTOR INVOLVED ARCTIC FUEL SEF	RVICES	CONTRACTOR A		DR OFFICE LOCATION			
	PRODUCT SPILLED DIESEL FUEL		QUANTITY IN LIT	RES, KILO	GRAMS OR CUBIC METR	U.N. NUMBER		
H	SECOND PRODUCT SPILLED (IF	APPLICABLE)	QUANTITY IN LIT	RES, KILO	GRAMS OR CUBIC METR	ES U.N. NUMBER		
I	SPILL SOURCE FUEL TANKER		SPILL CAUSE		DLLOVER	AREA OF CONTAM	INATION IN S	SQUARE METRES
J	FACTORS AFFECTING SPILL OF	RECOVERY	DESCRIBE ANY A	ASSISTAN	CE REQUIRED	HAZARDS TO PER	SONS, PROF	PERTY OR EQUIPMENT
К	During operations the cause of the in confirmed the tank the top vent and to pumped out to the Contaminated sno Stormwater manag There were no off lake is 300m to Thi Spill Location: 65'0	cident is under i er was not punc op fuel cap. Seco vacuum truck. I w was removed gement pond. site impacts or d ird Portage Lake	nvestigatio tured but a ondary conf Remaining with an exc ischarges t 45.9"W	n. ER small tainme fuel in avator	T and Environn leak of diesel f ent was placed the tanker was r and placed in receiving wate	nent responder uel was observ under the leak s transferred in a roll off bin to	d to the ved con ing area to an ei be dis ance to	scene and ning out of is and npty tanker. posed at the
L	Tom Thomson	Env. Coordin	ator	AEM		Meadowbank		
Μ	ANY ALTERNATE CONTACT Eric Haley	Crit. Inf. Env.		EMPLOYEI	R	ALTERNATE CONTACT		319-759-3555
			REPORT LINE	USE ON	LY			319-759-3555 ITERNATE TELEPHONE 319-860-0804
Ν	RECEIVED AT SPILL LINE BY	POSITION	E	EMPLOYEI				LTERNATE TELEPHONE
			1		R	LOCATION CALLED	R	LTERNATE TELEPHONE
		STATION OPERATOR			R	YELLOWKNIFE, NT		LTERNATE TELEPHONE 819-860-0804
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2023-01-05 MBK 400L Diesel

GN reference #: 2023-004

Please find the following information as a follow up to the Spill report submitted January 6, 2023, by Agnico Eagle Meadowbank division. This detailed report is submitted to the Inspector in compliance with the conditions under the Nunavut Water Board License 2AM-MEA1530, Part H, Item 8c.

Spill Description

During operations at Meadowbank, a loaded diesel fuel tanker operated by Arctic Fuel was travelling northbound on the AWAR to Meadowbank. The tanker went off the road at KM97 and tipped over, spilling 400L of Diesel fuel from the top vent and fuel cap.



Spill location: 65°01'47.3"N 96°09'45.9"W on IOL

There were no off-site impacts or discharge to any receiving watercourses. Distance to the closest water body is 300 meters to Third Portage Lake.

Cause of Spill

The operator of the diesel fuel tanker was reaching to adjust his Sepura radio and took his eyes off the road. While reaching for his radio, the tanker drifted to the East side of the road, got pulled into the snow at the shoulder of the road and tipped over.

Remediation Actions

ERT and Environment were called to the scene. Spill pads and spill booms were immediately placed on the ground. A tarp was used to create a secondary containment at the fuel leak and immediately pumped back into the vacuum truck. The fuel in the tanker on its side was transferred into an empty tanker Fuel collected in the secondary containment was pumped into the vacuum truck. The fuel tanker contained 36,075L and 35,675L was recovered, accounting for a loss of 400L of Diesel fuel. The area was scraped clean and approximately 21m3 of contaminated snow and material was collected and brought to the Meadowbank landfarm.



Corrective measures

The All-Weather Access road and Whale Tail haul road transportation standard operating procedure will be modified to include "all vehicles/equipment must come to a complete stop when using the dial function on a Sepura base radio". Site wide communication package will be sent to ensure all workers/operators of vehicles understand the changes to the transportation procedure. AEM will also investigate the possibility of having a hands-free communication device for all mobile equipment.

<u>Closure</u>

We trust that the above details described appropriately the spill incident that occurred at the Meadowbank site on January 5, 2023 and the cleanup activities. Please contact the undersigned should you have any questions.

FP



Tom Thomson | Environment Coordinator tom.thomson@agnicoeagle.com | Direct 819.759.3555 x4606744 | Agnico Eagle Mines Limited - Meadowbank Division, Suite 540 - Baker Lake, Nunavut, Canada X0C 0A0





NT-NU 24-HOUR SPILL REPORT LINE TEL: (867) 920-8130

FAX: (867) 873-6924 EMAIL: spills@gov.nt.ca

									REPORT LINE USE ONLY
Α	REPORT DATE: MONTH – DAY - 2023-01-07	-YEAR		REPORT T 19:00	IME		RIGINAL SPILL REP	ORT,	REPORT NUMBER
В	OCCURRENCE DATE: MONTH - 2023-01-07	– DAY – YEAR		OCCURRE 07:00	NCE TIME		PDATE # THE ORIGINAL SPILI	L REPORT	.
С	LAND USE PERMIT NUMBER (I KIOL-BL-14	F APPLICABLE)			NWB-2AM-1		PPLICABLE)		
D	GEOGRAPHIC PLACE NAME O MEADOWBANK C		N FROM NAMED L	OCATION		NAVUT	ADJACENT JUR	ISDICTION	OR OCEAN
E	LATITUDE DEGREES 64	MINUTES 57	SECONDS 11	.	ONGITUDE DEGREES 96		MINUTES 14	SE	CONDS 41
F	RESPONSIBLE PARTY OR VES		RESPONSIBLE F		RESS OR OFFICE LO	CATION			
G	ANY CONTRACTOR INVOLVED		CONTRACTOR A	ADDRESS (OR OFFICE LOCATION	1			
	PRODUCT SPILLED	LUID	QUANTITY IN LI	TRES, KILC	GRAMS OR CUBIC M	ETRES	U.N. NUMBER		
H	SECOND PRODUCT SPILLED (IF APPLICABLE)	QUANTITY IN LI	TRES, KILC	GRAMS OR CUBIC M	ETRES	U.N. NUMBER		
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2023-01-07 MBK 250L Transmission Fluid

GN reference #: 2023-008

Please find the following information as a follow up to the Spill report submitted January 7, 2023, by Agnico Eagle Meadowbank division. This detailed report is submitted to the Inspector in compliance with the conditions under the Nunavut Water Board License 2AM-MEA1530, Part H, Item 8c.

Spill Description

During operations at Meadowbank, Haul truck 28 was parked with the engine running during shift change. When the work returned to the haul truck, the spill was observed on the ground.



Spill location: 65°00'49.2"N 96°03'46.5"W on IOL

There were no off-site impacts or discharge to any receiving watercourses. Distance to the closest water body is 250 meters to Third Portage Lake.

Cause of Spill

The spill was caused due to a torque converter filter hose failure on Haul Truck 28.

Remediation Actions

Maintenance was called to shut down the unit. Secondary containment was placed under the leak and spill pads were immediately placed on the ground over the spill area. The area was scraped clean with a loader and approximately 10m3 of contaminated snow and material was collected and brought to the Meadowbank landfarm.



Corrective measures

Routine visual inspections during pre-op checks will continue as part of AEM's preventative maintenance program. AEM is also working on a mechanical performance review and improvement plan to reduce mechanical issues causing spills.

<u>Closure</u>

We trust that the above details described appropriately the spill incident that occurred at the Meadowbank site on January 7, 2023 and the cleanup activities. Please contact the undersigned should you have any questions.



Tom Thomson Environment Coordinator tom.thomson@agnicoeagle.com Direct 819.759.3555 x4606744 Agnico Eagle Mines Limited - Meadowbank Division, Suite 540 - Baker Lake, Nunavut, Canada X0C 0A0

agnicoeagle.com f I I II III III



NT-NU 24-HOUR SPILL REPORT LINE TEL: (867) 920-8130

FAX: (867) 873-6924 EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

٨	REPORT DATE: MONTH - DAY -	-YEAR		REPORT	TIME		NODT	
A	2023-02-05			18:30		ORIGINAL SPILL REF	ORI,	REPORT NUMBER
В	OCCURRENCE DATE: MONTH -	- DAY – YEAR		OCCURR	ENCE TIME	□ UPDATE # TO THE ORIGINAL SPIL		<u> </u>
D	2023-01-26						LNEFUNI	
С	LAND USE PERMIT NUMBER (II	F APPLICABLE)			WATER LICENCE NUMBER			
	KIOL-BL-14				NWB-2AM-MEA	41530		
D	GEOGRAPHIC PLACE NAME OF MEADOWBANK C		N FROM NAMED L	OCATION	REGION			
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E	<u> </u>	MINUTES 57	SECONDS 11		LONGITUDE DEGREES 96	MINUTES 14	05	CONDS 41
					DEGREES	111110120	SE	
F	AGNICO EAGLE N		BAKER I					
	ANY CONTRACTOR INVOLVED		CONTRACTOR	ADDRESS	OR OFFICE LOCATION			
G	UNGAVA							
	PRODUCT SPILLED			TRES, KIL	OGRAMS OR CUBIC METF			
Н	Windshield Washe		250L			1230		
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	ADDITIONAL INFORMATION, CO	OMMENTS, ACTIONS PROPC	SED OR TAKEN T	O CONTAI	N, RECOVER OR DISPOSE	OF SPILLED PRODUCT	AND CONTAI	/INATED MATERIALS
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L	Tom Thomson	Env. Coordina	ator		^{⊾R} co Eagle Mines	Meadowbank		
	ANY ALTERNATE CONTACT	POSITION		EMPLOYE	<u>v</u>	ALTERNATE CONTACT	A	319-759-3555
M	Eric Haley	Crit. Inf. Env.	Superint	Agico		Meadowbank	: 8	319-759-3555 TERNATE TELEPHONE
					Eagle Mines			
NI	RECEIVED AT SPILL LINE BY			E USE ON	o Eagle Mines			TERNATE TELEPHONE
Ν		POSITION		E USE ON	D Eagle Mines	LOCATION CALLED	R	TERNATE TELEPHONE
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2023-02-04 MBK 250L Washer Fluid

GN reference #: 2023-036

Please find the following information as a follow up to the Spill report submitted February 4, 2023, by Agnico Eagle Meadowbank division. This detailed report is submitted to the Inspector in compliance with the conditions under the Nunavut Water Board License 2AM-MEA1530, Part H, Item 8c.

Spill Description

During operations at Meadowbank, a tote with a damaged valve was being transferred into a new tote. During the transfer, the worker observed a leak coming from the new tote. Upon investigation, the new tote had a small puncture near the bottom of the tote. The new tote containing approx. 250L of washer fluid was placed into a roll off bin. The operator left the damaged tote in the roll off bin and the tote emptied itself through the puncture and spilled onto the ground.



Spill Location: 65' 0'57.4"N 96' 4'7.18"W on IOL

There was no off-site impacts or discharges. Distance to the closest water body is 200m to Third Portage Lake.

Cause of Spill

A visual inspection of the new reservoir was not completed prior to the transfer.

Remediation Actions

Upon discovery of the spill, a loader was mobilized to scraped clean the area. Approximately 4m3 of contaminated snow and material was collected and brought to the South cell tailings area.



Corrective measures

An investigation into the root causes of the spill has been completed. The procedure for the transfer of fluids from damaged reservoir is being updated to ensure the visual inspection phase of the new container is included and captured in the process. This procedure will then be communicated to the department's workers.

<u>Closure</u>

We trust that the above details described appropriately the spill incident that occurred at the Meadowbank site on February 4, 2023 and the cleanup activities. Please contact the undersigned should you have any questions.

AGNICO EAGLE Samuel Tapp | Environment Coordinator samuel.tapp@agnicoeagle.com | Direct 819.759.3555 x4606744 | Agnico Eagle Mines Limited - Meadowbank Division, Suite 540 - Baker Lake, Nunavut, Canada X0C 0A0 agnicoeagle.com f @ V fn P Sent from Amarug



NT-NU 24-HOUR SPILL REPORT LINE TEL: (867) 920-8130

FAX: (867) 873-6924 EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

Α	REPORT DATE: MONTH – DAY – 2023-02-07	-YEAR		REPORT 12:30			ORIGINAL SPILL REP	ORT,	REPORT NUMBER
В	OCCURRENCE DATE: MONTH - 2023-02-06	- DAY – YEAR		OCCURR 17:00	ENCE TIME		UPDATE # THE ORIGINAL SPIL	L REPORT	<u>-</u>
С	LAND USE PERMIT NUMBER (IF	F APPLICABLE)			WATER LICENCE	•	,		
D	GEOGRAPHIC PLACE NAME OF		N FROM NAMED LO	OCATION		NUNAVUT	ADJACENT JUF		OR OCEAN
Ε	LATITUDE DEGREES 64	MINUTES 57	SECONDS 11		LONGITUDE DEGREES 96		MINUTES 11	SE	CONDS 41
F	AGNICO EAGLE N		BAKER L		DRESS OR OFFIC	E LOCATION			
G	ANY CONTRACTOR INVOLVED		CONTRACTOR A	DDRESS	OR OFFICE LOCA	TION			
	PRODUCT SPILLED		QUANTITY IN LIT	TRES, KIL	OGRAMS OR CUB	C METRES	U.N. NUMBER		
Η	SECOND PRODUCT SPILLED (II	F APPLICABLE)	QUANTITY IN LIT	TRES, KIL	OGRAMS OR CUB	C METRES	U.N. NUMBER		
I	SPILL SOURCE TAILINGS LINE		SPILL CAUSE	D P I PI	E		AREA OF CONTAM 350M2	INATION IN S	SQUARE METRES
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Μ	ANY ALTERNATE CONTACT Eric Haley	POSITION Crit. Inf. Env.		EMPLOYE Agnie	_{∃R} co Eagle		TERNATE CONTACT Leadowbank		LTERNATE TELEPHONE 819-651-1010
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SEC	OND SUPPORT AGENCY								
тнів	D SUPPORT AGENCY								



2023-02-06 MBK 9m3 Tailings

GN reference #: 2023-042

Please find the following information as a follow up to the Spill report submitted February 6, 2023, by Agnico Eagle Meadowbank division. This detailed report is submitted to the Inspector in compliance with the conditions under the Nunavut Water Board License 2AM-MEA1530, Part H, Item 8c.

Spill Description

During routine maintenance of the tailings line at Meadowbank, the device used to descale the line got stuck. After an assessment of the tailings line to determine where the blockage occurred, the tailings line was unflanged, and air was put into the line to retrieve the device. After retrieving the device, the remaining tailings in the line spilled onto the ground of the Pushback parking adjacent to the tailing deposition pit (Pit E).



Spill Location: N 65' 1'14.89" W 96' 3'13.98" on IOL

There were no off-site impacts or discharges to any receiving watercourse. Distance to the closest lake is 550m to Second Portage Lake.

Cause of Spill

Failure of descaling pump resulted in excess accumulation of tailing residue in the line, which in turn lead to higher pressure in the line, blocking the descaling device.

Remediation Actions

An excavator was mobilized to excavate the contaminated material. Approximately 92 m3 of contaminated material was brought to the South cell tailings area.



Corrective measures

An investigation into the root causes of the spill has been completed. The procedure for descaling of tailings/contact water is being updated to include areas along the tailings line where un-flanging could occur inside the tailing's footprint. In addition, a flow monitoring system will be installed on each anti-scale distribution system as an additional control measure.

Closure

We trust that the above details described appropriately the spill incident that occurred at the Meadowbank site on February 6, 2023, and the cleanup activities. Please contact the undersigned should you have any questions.



Samuel Tapp | Environment Coordinator samuel.tapp@agnicoeagle.com | Direct 819.759.3555 x4606744 | Agnico Eagle Mines Limited - Meadowbank Division, Suite 540 - Baker Lake, Nunavut, Canada X0C 0A0



Sent from Amaruq



NT-NU 24-HOUR SPILL REPORT LINE TEL: (867) 920-8130

FAX: (867) 873-6924 EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

Α	REPORT DATE: MONTH – DAY – YE	AR	REPORT			ORT,			
<u> </u>	2023-02-10		16:3		OR		REPORT NUMBER		
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Н	DIESEL FUEL		LITERS		1202				
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J									
	ADDITIONAL INFORMATION, COMM								
ĸ	During refueling operations at the Meadowbank fuel farm, an operator dropped the fuel nozzle on the ground causing the swivel to break. The damage resulted in the release of approximately 150L of diesel fuel on the ground, within the lined portion of the fuel farm. Absorbent material was placed on the ground and the contaminated snow and material will be collected and brought to the Meadowbank landfarm. There were no off-site impacts or discharges to any receiving watercourses. The distance to the closest water body is 300m from Third Portage Lake. Spill Location: Northing 65' 0' 57.94" Easting 96' 3' 53.15" on IOL Contact Information: Tom Thomson 819 759 3555 ext. 460 6744								
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2023-02-10 MBK 150L Diesel

GN reference #: 2023-046

Please find the following information as a follow up to the Spill report submitted February 10th, 2023, by Agnico Eagle Meadowbank division. This detailed report is submitted to the Inspector in compliance with the conditions under the Nunavut Water Board License 2AM-MEA1530, Part H, Item 8c.

Spill Description

During operations at Meadowbank, the diesel fuel nozzle was dropped onto the ground breaking the swivel adapter. The damaged resulted in a spill of approximately 150L of diesel fuel from the fuel line onto the ground. The operator was unable to immediately stop the flow using the standard stop switch and had to use the emergency stop switch to gain control.



Spill Location: Northing 65' 0' 57.94" Easting 96' 3' 53.15" on IOL

There were no off-site impacts or discharge to any receiving watercourses. Distance to the closest water body is 300 meters to Third Portage Lake.

Cause of Spill

Equipment failure

Remediation Actions

The operator utilized the emergency stop switch. Absorbent material was placed down, and a loader was called to clean the area. Approximately 4m3 of contaminated snow/soil material was brought to the Meadowbank Landfarm. Absorbent material was collected brought to the Hazmat area for processing.



Corrective measures

The standard stop switch was modified and the fuel line was repaired. In addition, the fueling procedure was reviewed by crews and an audit was performed on all fuel stations to ensure all stop buttons are compliant as per operational standards.

Closure

We trust that the above details described appropriately the spill incident that occurred at the Meadowbank site on February 10th, 2023, and the cleanup activities. Please contact the undersigned should you have any questions.



Samuel Tapp | Environment Coordinator

samuel.tapp@agnicoeagle.com Direct 819.759.3555 x4606744 Agnico Eagle Mines Limited - Meadowbank Division, Suite 540 - Baker Lake, Nunavut, Canada X0C 0A0



Sent from Amaruq



NT-NU 24-HOUR SPILL REPORT LINE TEL: (867) 920-8130 FAX: (867) 873-6924

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

EMAIL: spills@gov.nt.ca

^									REPORT LINE USE ONLY	
A	REPORT DATE: MONTH – DAY – YE 03-23-2023	03-23-2023		REPORT TI		×	ORIGINAL SPILL REF	PORT,	REPORT NUMBER	
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K	During process of investigating issues in the sewage drain line of the Meadowbank Camp, the sewage pipping under the arctic corridor was found to be cracked and frozen. As a result of the break, approximately 300L of sewage water was spilled under the building and onto the frozen ground. The contaminated material will be collected and brought to the Tailing Storage Facility.									
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2023-03-22 MBK 300L Sewage Water

GN reference #: 2023-115

Please find the following information as a follow up to the Spill report submitted March 23rd, 2023, by Agnico Eagle Meadowbank division. This detailed report is submitted to the Inspector in compliance with the conditions under the Nunavut Water Board License 2AM-MEA1530, Part H, Item 8c.

Spill Description

During process of investigating issues in the sewage drain line of the Meadowbank Camp, the sewage pipping under the arctic corridor was found to be cracked and frozen. As a result of the break, approximately 300L of sewage water was spilled under the building and onto the frozen ground.



Spill Location: 65° 01' 16.0"N 96° 04' 08.4"W

There were no off-site impacts or discharges. Distance to the closest water body is 350 m to Third Portage Lake.

Cause of Spill

Broken Joint on piping.

Remediation Actions

Heating equipment was utilized to thaw the frozen sewage in the contaminated area, enabling the vacuuming of the liquid using a sewage truck. About 0.3 cubic meters of contaminated material were transported to the Tailing Storage Facility. Additional remediation efforts will be undertaken during warmer temperatures when the ground has thawed to facilitate the recovery of the contaminated material, considering the spill's location, timing, and nature.



Corrective measures

New conduit was installed as a replacement for the deteriorated piping, and a comprehensive visual inspection of all sewage infrastructure within the campgrounds is scheduled to take place during the upcoming summer season.

<u>Closure</u>

We trust that the above details described appropriately the spill incident that occurred at the Whale Tail site on March 22rd, 2023, and the cleanup activities. Please contact the undersigned should you have any questions.



Louis Dubois | Environmental Lead Technician louis.dubois@agnicoeagle.com | Direct 819.759.3555 x4606759 | Agnico Eagle Mines Limited - Meadowbank Division, Suite 540 - Baker Lake, Nunavut, Canada X0C 0A0

agnicoeagle.com f 🞯 🔽 🛅 💽

Sent from Meadowbank



NT-NU SPILL REPORT OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE TEL: (867) 920-8130

FAX: (867) 873-6924 EMAIL: spills@gov.nt.ca

				<u> </u>				REPORT LINE USE ONLY
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2023-04-28 MBK 20L Sewage Water

GN reference #: 2023-169

Please find the following information as a follow up to the Spill report submitted April 28th, 2023, by Agnico Eagle Meadowbank division. This detailed report is submitted to the Inspector in compliance with the conditions under the Nunavut Water Board License 2AM-MEA1530, Part H, Item 8c.

Spill Description

During a field inspection of the PEL shop, the sewage piping under the building was found to be leaking onto the ground. As a result of the leak, approximately 20L of sewage water was spilled under the building and onto the frozen ground.



Spill Location: 65° 0'42.86"N 96° 4'13.97"W on IOL

There were no off-site impacts or discharges. Distance to the closest water body is 120 m to Third Portage Lake.

Cause of Spill

Broken pipe from building movement

Remediation Actions

Heating equipment was utilized to thaw the frozen sewage in the contaminated area, enabling the vacuuming of the liquid using a sewage truck. About 1 cubic meter of contaminated material was transported to the Tailing Storage Facility. Additional remediation efforts will be undertaken during warmer temperatures when the ground has thawed to facilitate the recovery of the contaminated material, considering the spill's location, timing, and nature.



Corrective measures

The broken Y pipe was replace by the plumber. A comprehensive visual inspection of all sewage infrastructure within the campgrounds is scheduled to take place during the upcoming summer season.

<u>Closure</u>

We trust that the above details described appropriately the spill incident that occurred at the Meadowbank site on April 28th, 2023, and the cleanup activities. Please contact the undersigned should you have any questions.





NT-NU 24-HOUR SPILL REPORT LINE TEL: (867) 920-8130

FAX: (867) 873-6924 EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH – DAY - 2023-06-02	-YEAR		REPORT TIM 16:30	IE		L REPORT,	REPORT NUMBER
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L	Tom Thomson	POSITION Env. Coordin		employer Agnico	Eagle Mines	LOCATION CALLI		ELEPHONE 819 759 3555
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2023-06-01 MBK 100L Diesel

GN reference #: 2023-236

Please find the following information as a follow up to the Spill report submitted June 2nd, 2023, by Agnico Eagle Meadowbank division. This detailed report is submitted to the Inspector in compliance with the conditions under the Nunavut Water Board License 2AM-MEA1530, Part H, Item 8c.

Spill Description

During refueling operations at the Meadowbank fuel farm, an LHT operator pulled away from the refueling station with the nozzle and hose still attached to the fuel tank, causing the damage to the fuel nozzle and hose., within the lined portion of the fuel farm.



Spill Location: N 65' 00'55.7" W 96' 03'53.4 on IOL

There were no off-site impacts or discharge to any receiving watercourses. Distance to the closest water body is 300 meters to Third Portage Lake.

Cause of Spill

Human Error

Remediation Actions

The contaminated area was immediately scraped clean with a loader and approximately 7m3 of material was collected and brought to the Meadowbank landfarm.



Corrective measures

The fuel pumping system and visual indicator were repaired to ensure all operators can see when the fuel system is on. In addition, the incident and the fueling procedure were reviewed and present to both LHT crews.

Closure

We trust that the above details described appropriately the spill incident that occurred at the Meadowbank site on June 1st, 2023, and the cleanup activities. Please contact the undersigned should you have any questions.



Rowan Woodall | Environmental Coordinator rowan.woodall@agnicoeagle.com | Direct 819.759.3555 | 4606744 Agnico Eagle Mines Limited - Meadowbank Division, Suite 540 - Baker Lake, Nunavut, Canada X0C 0A0

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NT-NU 24-HOUR SPILL REPORT LINE TEL: (867) 920-8130

FAX: (867) 873-6924 EMAIL: spills@gov.nt.ca

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2023-06-03 MBK Baker Lake TSS

GN reference #: 2023-240

Please find the following information as a follow up to the spill report, #2023-240, submitted June 3rd, 2023, by Agnico Eagle Meadowbank division. This detailed report is submitted to the Inspector in compliance with the conditions under the Nunavut Water Board License 2AM-MEA1530, Part H, Item 8c and subsection 38(7) of the fisheries act.

Description

During a regular inspection of the Baker Lake Marshalling Facilities, a turbid flow of water was observed heading into the shore of Baker Lake, creating an apparent plume of total suspended solids (**TSS**) along the shore of the lake. The flows of water appeared to flow through the Agnico Eagle facilities, where heavy equipment was travelling to prepare the area for the upcoming maritime shipping season. The visible plumes in Baker Lake were mostly contained within a few meters from the shoreline, after which the water appeared clear based on visual observations in the field. See figure 1 below for general site layout information and flow path estimate.



Figure 1. Overall Layout - Aerial Picture with the original flow path observed on prior to Agnico Eagle's intervention.

Water samples were taken to analyze for TSS, MDMER parameters as well as for acute lethality to *Daphnia Magna* and *Rainbow Trout*. The lethality samples were collected on June 4th and results indicating an LC50 of >100% for both *Daphnia Magna* and *Rainbow Trout*, indicating the water was nontoxic. The results for TSS samples taken in the lake are presented in Table 1 below. All TSS results following the initial plume were below regulatory limits apart from the sample collected on June 6th. This result is largely due to an influx of rain, the maritime booms were adjusted to account for this influx of water. All MDMER parameters, with the exception of TSS, were found to be below limits outlined in the regulations.

Date	Baker Lake TSS (mg/L)
2023-06-03	426
2023-06-04	3
2023-06-06	49.5
2023-06-07	2
2023-06-11	4.2
2023-06-14	3.5
2023-06-16	23
2023-06-20	2.5

Table 1. TSS Results of Baker Lake Samples



Figure 2. Aerial view of Baker Lake shore after Agnico Eagle's intervention and deployment of turbidity control measures showing the new flow path Location: 64° 18'20" 95° 57'23". The impacted waterbody is Baker Lake.

<u>Cause</u>

The identified cause for the turbid runoff is the large volume of water reporting through the Marshalling Facilities, from areas where snow removal was not required, through existing control measures. TSS control measures such as Woodchip-log booms and silt fencing have remained downstream in previous areas of concern (exits of culverts, known runoff paths). These control measures are repaired/replaced on an as needed basis by Agnico Eagle and are used to slow the flow of water towards the lake. The water flows through exposed till material, from which sediments are transported towards the lake. Additionally, an ice block was observed diverting water from the existing and modified structures, causing water to flow on top of a laydown pad, increasing the sediment transport upstream of Baker Lake.

Remediation Actions

Agnico Eagle enforced strict snow management practices throughout the winter season. Prior to the 2022-2023 winter season Agnico Eagle determined snow dump locations that would reduce the impact of managed snow melt during the freshet season. These snow dumps were inspected regularly by Agnico Eagle throughout the winter months.

Upon observation of the runoff into the lake, a loader was immediately called to place material along the sides of the road to reduce run off potential by directing water towards the existing culvert, and into multiple control measures. Maritime curtains and additional woodchip-log booms and silt fence were deployed to control the transportation of sediments. Over the next weeks, inspections and monitoring of the sector were performed by Agnico Eagle. During the monitoring, the TSS control measures were monitored, repaired, and added, if needed. Samples of the water quality (total suspended solids) of the lake at the inflow location were taken, as described in Table 1. Additionally, samples were collected and sent for analysis of MDMER parameters & acute toxicity. As part of the Core Receiving Environmental Monitoring Program, water chemistry monitoring will occur in Baker Lake during the summer to evaluate potential lake water quality impact.



Figure 3. Upstream water flow prior to Agnico Eagle's mitigation (2023/06/03)



Figure 4. Upstream water flow after to Agnico Eagle's mitigation (2023/06/03)



Figure 5. Mitigation measures at Baker Lake (2023/06/04)



Figure 6. Contained turbidity & sediments at Baker Lake (2023/06/07)

From Figure 5 and 6, it is possible to see the effectiveness of the barriers to contain the turbidity in a localized area. The area will continue to be closely monitored following each rain events.

Corrective Measures

During the fall of 2022, Agnico Eagle hired an engineering consulting firm to develop a long-term solution to water management challenges encountered at the Baker Lake Marshalling facilities. The design includes a water diversion ditch, which will minimize water inflows onto the pad. Agnico Eagle submitted a 60-day design notice and a modification to the Water License, for which authorization was received on March 24th, 2023, to build a diversion ditch structure. The construction work for the first phase of this infrastructure is scheduled for late August/early September to avoid construction in the high-water flowing season and limit the chance of TSS transportation. The completion of the first phase will provide the most immediate benefit by creating a catchment area of ~46ha and will have the capacity to divert up to 1.9 m³/s of water upstream of the marshaling facility. Figure 7 below presents the designed infrastructure layout.

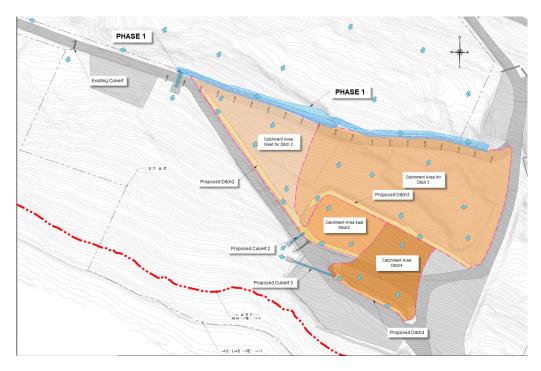


Figure 7. Design stages from the Water Management Improvement at Baker Lake Design Report

Lastly, snow management of the sector will be further evaluated and improved following the selected water management solution.

<u>Closure</u>

We trust that the above details described appropriately the event that occurred at the Baker Lake Marshaling Facilities on June 3rd, 2023 and the remediation activities. Please contact the undersigned should you have any questions.



Rowan Woodall Environmental Coordinator rowan.woodall@agnicoeagle.com Direct 819.759.3555 4606744 Agnico Eagle Mines Limited - Meadowbank Division, Suite 540 - Baker Lake, Nunavut, Canada X0C 0A0 agnicoeagle.com f @ I In III

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A	REPORT DATE: MONTH – DAY – YE	AR	REPORT TI	ME		PORT	
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2023-06-03 MBK 1500L Waste Oil

GN reference #: 2023-239

Please find the following information as a follow up to the Spill report submitted June 3rd, 2023, by Agnico Eagle Meadowbank division. This detailed report is submitted to the Inspector in compliance with the conditions under the Nunavut Water Board License 2AM-MEA1530, Part H, Item 8c.

Spill Description

During an inspection of the warehouse laydown area, oil was observed leaking from a sea-can in the Waste Oil sea-can row. The sea-can was placed on the ground and the totes were removed. Upon further inspection, two totes had frozen and expanded causing oil to leak onto the sea-can floor as well as onto the ground within the laydown area.





Spill Location: N 65' 1'2.46" W96' 4'14.35 on IOL

There were no-off site impacts or discharges to any receiving water courses. The distance to the closest water body is 190m from Third Portage Lake.

Cause of Spill

Improper storage

Remediation Actions

Absorbent materials were immediately placed on the ground to contain and collect the spill and additional sea-cans were removed to access the area. The vacuum truck, absorbent material and loader were used to collect and clean the area. ~ 6.5 m3 of contaminated soil was brought to the Meadowbank Landfarm. In addition, ~58m3 of contaminated water was collected and brought to the Storm Water Management Pond as per the Meadowbank Water Management Plan. This volume was due to freshet conditions around site during the time of the spill. A total of 2 quatrex bags (~2m³) filled with contaminated absorbent material was disposed of at the Meadowbank Hazmat in accordance with the waste management plan.



Corrective measures

The remaining waste oil sea-cans awaiting transportation down south were moved to a new lay down area further from Third Portage Lake. A visual inspection of all other waste oil sea-cans was conducted and sea-cans that were contaminated with waste oil were cleaned before being transferred to the new laydown area. A new site standard for storage and handling of waste sea-cans is being created.

<u>Closure</u>

We trust that the above details described appropriately the spill incident that occurred at the Meadowbank site on June 3rd, 2023, and the cleanup activities. Please contact the undersigned should you have any questions.



Rowan Woodall | Environmental Coordinator

rowan.woodall@agnicoeagle.com | Direct 819.759.3555 | 4606744

Agnico Eagle Mines Limited - Meadowbank Division, Suite 540 - Baker Lake, Nunavut, Canada X0C 0A0

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OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

EMAIL: spills@gov.nt.ca

FAX: (867) 873-6924

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2023-06-20 MBK 150L Diesel

GN reference #: 2023-269

Please find the following information as a follow up to the Spill report submitted June 20th, 2023, by Agnico Eagle Meadowbank division. This detailed report is submitted to the Inspector in compliance with the conditions under the Nunavut Water Board License 2AM-MEA1530, Part H, Item 8c.

Spill Description

During refueling operations at the Meadowbank Mine, a fuel truck was fueling a piece of equipment when the fuel system failed. The failure resulted in the release of approximately 150L of diesel fuel onto the ground. The pump was immediately stopped, and a mechanic was called to investigate the spill.



Spill Location: N 65° 0'48.90" E 96° 3'47.55" on IOL

There were no off-site impacts or discharge to any receiving watercourses. Distance to the closest water body is 215 meters to Third Portage Lake.

Cause of Spill

Equipment failure

Remediation Actions

The contaminated area was immediately cleaned with a vacuum truck and loader. Approximately 10m3 of material was collected and brought to the Meadowbank landfarm. Absorbent material and all recovered liquid fuel was segregated and disposed of at the Meadowbank Hazmat.



Corrective measures

Upon investigation it was found that the fuel pump was recently replaced. The new fuel pump created more pressure than the previous pump leading to a burst line on the fueling system. The pump pressure limit has been lowered to below the fuel lines rated pressure limit. A procedure for installation of this specific fuel pump is being created to ensure the pump pressure limits are tested prior to the vehicle being released back to operations.

<u>Closure</u>

We trust that the above details described appropriately the spill incident that occurred at the Meadowbank site on June 20th, 2023, and the cleanup activities. Please contact the undersigned should you have any questions.



Rowan Woodall | Environmental Coordinator rowan.woodall@agnicoeagle.com | Direct 819.759.3555 | 4606744 Agnico Eagle Mines Limited - Meadowbank Division, Suite 540 - Baker Lake, Nunavut, Canada X0C 0A0 agnicoeagle.com f @ I In I



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OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

									REPORT LINE USE ONLY
Λ	REPORT DATE: MONTH - DAY	– YEAR		REPORT T	ME		CORIGINAL SPILL REPORT,		
A	07-08-2023		· · ·	17:30		OR	-		REPORT NUMBER
В	OCCURRENCE DATE: MONTH 07-07-2023	– DAY – YEAR					UPDATE # O THE ORIGINAL SPILL REPORT		<u> </u>
С	LAND USE PERMIT NUMBER (IF APPLICABLE)	L.		VATER LICENCE NUME				
D	GEOGRAPHIC PLACE NAME C		ION FROM NAMED LO		REGION				
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G	ANY CONTRACTOR INVOLVED CONTRACTO			DDRESS C	R OFFICE LOCATION				
Ľ									
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H	SECOND PRODUCT SPILLED	(IF APPLICABLE)	QUANTITY IN LITE	res, kilo	GRAMS OR CUBIC ME	TRES	U.N. NUMBER		
	SPILL SOURCE TAILINGS LINE		SPILL CAUSE) PIPE			AREA OF CONTAMI	NATION IN	SQUARE METRES
	FACTORS AFFECTING SPILL C	DR RECOVERY	DESCRIBE ANY A		E REQUIRED		HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT		
J	ADDITIONAL INFORMATION, C								
К	 During maintenance of the tailings line at Meadowbank, a draining "pig" got stuck in the line. After an assessment of the tailings line to determine where the blockage occurred, the tailings line was disconnected at a flange to retrieve the "pig" and the tailings remaining in the line spilled onto the ground. A vacuum truck was immediately called to collect as much as possible reclaim water and tailings residues. The contaminated material will be excavated and disposed of in the Tailings Storage Facility. The area where the spill occurred drains towards the Tailings Storage Facility. There were no off site impacts or discharges to any receiving watercourse. Distance to the closest lake is 675m to Second Portage Lake. Spill Location: N 65'01'17.5" W 96'03'17.2" on IOL 								d onto the water and ilings acility. the closest
L	REPORTED TO SPILL LINE BY Kathleen Newber				o Eagle		ATION CALLING FRO		ELEPHONE 819-759-3555
	ANY ALTERNATE CONTACT	POSITION	E		}	ALT	ERNATE CONTACT	A	LTERNATE TELEPHONE
Μ	Robin Allard	Env. Gen Su	upervisor	Agnic	o Eagle	LOC	eadowbank		819-860-1414
	1		REPORT LINE			1			
IN	RECEIVED AT SPILL LINE BY	POSITION		EMPLOYER	1				
<u> </u>		STATION OPERATOR					LOWKNIFE, NT		367) 920-8130
			AC 🗆 NEB 🗆 TC					FILE STATU	JS OPEN CLOSED
AGE	NCY	CONTACT NAME					REMARKS		
LEA	DAGENCY								
FIRS	ST SUPPORT AGENCY								
SEC	OND SUPPORT AGENCY								



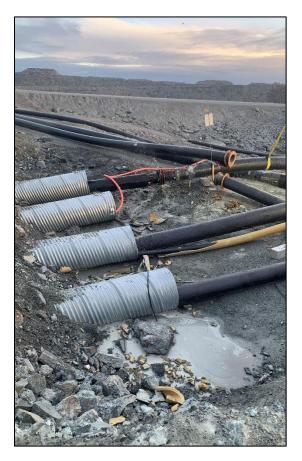
2023-07-07 MBK 4m3 Tailings

GN reference #: 2023-295

Please find the following information as a follow up to the Spill report submitted July 8th, 2023, by Agnico Eagle Meadowbank division. This detailed report is submitted to the Inspector in compliance with the conditions under the Nunavut Water Board License 2AM-MEA1530, Part H, Item 8c.

Spill Description

During maintenance of the tailings line at Meadowbank, a draining "pig" got stuck in the line. After an assessment of the tailings line to determine where the blockage occurred, the tailings line was disconnected at a flange to retrieve the "pig" and the tailings remaining in the line spilled onto the ground at the intersection of the west road and saddle name #4 intersection. The area where the spill occurred drains towards the Tailings Storage Facility.



Spill Location: N 65'01'17.5" W 96'03'17.2"on IOL

There were no off-site impacts or discharges to any receiving watercourse. Distance to the closest lake is 675m to Second Portage Lake.

Cause of Spill

Blockage occurred when passing the draining pigs.

Remediation Actions

Before launching the draining pigs, two slurry pigs were introduced into the line to eliminate scaling and slurry buildup. As an added precaution, the line was then flushed with water for approximately 8 hours. Subsequently, draining pigs were deployed using air pressure to extract what was initially presumed to be water from the line but encountered an obstruction, causing them to get lodged in the pipeline. To address this issue, the tailings line was disconnected within the footprint of the Tailings Storage Facility. However, it was discovered that the obstruction was located further upstream, which compelled the operations team to open a flange away from the TSF vicinity. Prior to disconnecting the flange, a vacuum truck was on standby to collect as much residue as possible. Approximately 1 cubic meter of reclaim water and tailings residues was collected using the vacuum truck. The remaining contaminated material will be collected during the next scheduled maintenance operation.

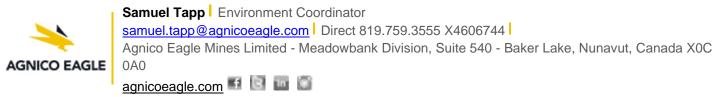


Corrective measures

An investigation into the root causes of the spill has been completed. Currently, a thorough review of the routing of the tailings line is underway to identify topography areas of concern, which were identified as potentially contributing to the blockage. Moreover, the procedure for descaling tailings/contact water is being reviewed to provide comprehensive instructions on "pigging" a line prior to a shutdown. Furthermore, containment options are being evaluated to mitigate tailings being released onto the ground during the disconnection of flanges.

<u>Closure</u>

We trust that the above details described appropriately the spill incident that occurred at the Meadowbank site on July 7th, 2023, and the cleanup activities. Please contact the undersigned should you have any questions.



Sent from Amaruq



NT-NU 24-HOUR SPILL REPORT LINE TEL: (867) 920-8130

FAX: (867) 873-6924 EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

A	REPORT DATE: MONTH – DAY – YEAR 2023-08-18					ORIGINAL SPILL REPORT,			
	OCCURRENCE DATE: MONTH – D	AY – YEAR	OCCUR	RENCE TIME			_		
В	2023-08-17		17:0	-	TO THE ORIGINAL SPI	LL REPORT			
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		DISTANCE AND DIRECTION FROM NAMI							
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G	ANY CONTRACTOR INVOLVED	CONTRACT	OR ADDRES	S OR OFFICE LOCATION					
	PRODUCT SPILLED	QUANTITY	N LITRES, KI	LOGRAMS OR CUBIC METR	ES U.N. NUMBER				
Н	Nitric Acid TBD								
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2023-08-17 MBK 30L Nitric Acid

GN reference #: 2023-351

Please find the following information as a follow up to the Spill report submitted August 18th, 2023, by Agnico Eagle Meadowbank division. This detailed report is submitted to the Inspector in compliance with the conditions under the Nunavut Water Board License 2AM-MEA1530, Part H, Item 8c.

Spill Description

During operations at Meadowbank, drums of Nitric Acid were found in to be damaged in a sea can, resulting in areas of the sea can floor to be dissolved. Approximately 30 liters of nitric acid spilled onto the ground of the mill pad.





Spill Location: 65° 1'1.26"N & 96° 3'49.15"W on IOL

There were no off-site impacts or discharges to any receiving watercourse. Distance to the closest lake is 450m to Third Portage Lake.

Cause of Spill

Damaged drums

Remediation Actions

The drums were carefully extracted from the shipping container in order to enable the container handler to relocate it from the area for the purpose of excavating and removing the contaminated soil. An excavator was mobilized to excavate the contaminated soil, which was subsequently disposed of through the milling process.



Corrective measures

In order to confirm that this incident was isolated, inspections were conducted on all sea cans containing the same product. The investigation into the underlying factors behind the spill is ongoing. Agnico Eagle initiated communication with the supplier to obtain information regarding the potential factors that may have contributed to the drum's failure. The supplier is actively conducting their own investigation to gain a more comprehensive understanding of the unidentified factors that led to the incident. Agnico Eagle will implement corrective actions as deemed necessary in accordance with the findings.

<u>Closure</u>

We trust that the above details described appropriately the spill incident that occurred at the Meadowbank site on August 17th, 2023, and the cleanup activities. Please contact the undersigned should you have any questions.



Samuel Tapp Environment Coordinator samuel.tapp@agnicoeagle.com Direct 819.759.3555 X4606744 Agnico Eagle Mines Limited - Meadowbank Division, Suite 540 - Baker Lake, Nunavut, Canada X0C 0A0 agnicoeagle.com

Sent from Amaruq



NT-NU 24-HOUR SPILL REPORT LINE TEL: (867) 920-8130 FAX: (867) 873-6924

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

EMAIL: spills@gov.nt.ca

A	REPORT DATE: MONTH – DAY				IME	XORIGINAL SPILL REP	ORIGINAL SPILL REPORT,									
В	OCCURRENCE DATE: MONTH	– DAY – YEAR		ENCE TIME	UPDATE # TO THE ORIGINAL SPIL											
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	REPORTED TO SPILL LINE BY			EMPLOYE		LOCATION CALLING FF		ELEPHONE								
	Rowan Woodall	Env.Coordin			o Eagle Mines	Meadowbank		319-759-3555								
M	ANY ALTERNATE CONTACT Robin Allard	Env. Gen. Su		EMPLOYE Agnic	R Ro Eagle Mines	ALTERNATE CONTACT Meadowbank		LTERNATE TELEPHONE 819-860-1414								
			REPORT LINE	USE ON	LY			REPORT LINE USE ONLY								
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2023-11-22 MBK 15L Sewage Water

GN reference #: 2023-503

Please find the following information as a follow up to the Spill report submitted November 23th, 2023, by Agnico Eagle Meadowbank division. This detailed report is submitted to the Inspector in compliance with the conditions under the Nunavut Water Board License 2AM-MEA1530, Part H, Item 8c.

Spill Description

During a visual inspection of the gymnasium lift station (lift station 12), the sewage piping leading into the building was found to be leaking. As a result of the leak, approximately 15L of sewage water was spilled onto the frozen ground.



Spill Location: 65° 1'18.91"N 96° 4'12.62"W on IOL

There were no off-site impacts or discharges. Distance to the closest water body is 320 m to Third Portage Lake.

Cause of Spill

The failure of the sewage pipe was a consequence of the regular wear and the forceful winds of a blizzard.

Remediation Actions

A plumber was called to identify the source and fix the pipe. Approximately 1m3 of contaminated material was collected and brought to the Tailing Storage Facility at Meadowbank.



Corrective measures

The plumber repaired the damaged pipe after its discovery. A monthly visual inspection of the sewage infrastructure is implemented to identify any signs of wear and prevent potential spills.

<u>Closure</u>

We trust that the above details described appropriately the spill incident that occurred at the Meadowbank site on November 22th, 2023, and the cleanup activities. Please contact the undersigned should you have any questions.



Samuel Tapp | Environment Coordinator samuel.tapp@agnicoeagle.com | Direct 819.759.3555 x4606744 | Agnico Eagle Mines Limited - Meadowbank Division, Suite 540 - Baker Lake, Nunavut, Canada X0C 0A0



Sent from Amaruq



NT-NU 24-HOUR SPILL REPORT LINE TEL: (867) 920-8130

FAX: (867) 873-6924 EMAIL: spills@gov.nt.ca

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

								REPORT LINE USE ONLY	
Α	12-15-2023			REPORT 19:30	i	XORIGINAL SPILL REF	PORT,	REPORT NUMBER	
В	OCCURRENCE DATE: MONTH 12-15-2023			OCCURR 12:00	ENCE TIME	□ UPDATE # TO THE ORIGINAL SPIL	L REPORT		
С	LAND USE PERMIT NUMBER (IF APPLICABLE)			WATER LICENCE NUMBER				
D	GEOGRAPHIC PLACE NAME C MEADOWBANK	R DISTANCE AND DIRECTIO	ON FROM NAMED L	OCATION	REGION	JT 🗆 ADJACENT JUF	RISDICTION	OR OCEAN	
Е	LATITUDE DEGREES 65	MINUTES 01	SECONDS 09		LONGITUDE DEGREES 96	MINUTES 03	SI	ECONDS 13	
F	AGNICO EAGLE MINES LTD BAKER				DRESS OR OFFICE LOCAT	ION			
G	ANY CONTRACTOR INVOLVED		CONTRACTOR	ADDRESS	OR OFFICE LOCATION				
	PRODUCT SPILLED Contaminated Wa	ter	QUANTITY IN LI	ITRES, KIL	OGRAMS OR CUBIC METR	es U.N. NUMBER			
Н	SECOND PRODUCT SPILLED (IF APPLICABLE)	QUANTITY IN LI	ITRES, KIL	OGRAMS OR CUBIC METR	ES U.N. NUMBER			
Ι	SPILL SOURCE		SPILL CAUSE			AREA OF CONTAM	INATION IN	SQUARE METRES	
J	FACTORS AFFECTING SPILL C Water Freezing	OR RECOVERY	DESCRIBE ANY	ASSISTAN	ICE REQUIRED	HAZARDS TO PER	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT		
K	Upon further inve infrastructure pre water have not be additional samplin found, an action contaminated ice There were no off Portage Lake Spill Location: 6	viously constructen identified. Intended in the series of	eted. At this ernal samp ed offsite to ted to stop e removed a discharges.	time t les ha an ac the so an take . Dista	he source and o ve been collecte credit lab for RL urce and to clea en to the Tailing nce to the close	chemical prope ed for analysis ISH analysis. C an contaminate s Storage Faci st water body	erties o for on s Dnce th ed ice. <i>I</i> lity. is ~145	f the seepage site and e source is Any m to Third	
L	REPORTED TO SPILL LINE BY Rowan Woodall	POSITION Env. Coordir	nator	EMPLOYE Agnic	r co Eagle Mines	LOCATION CALLING FR		ELEPHONE 8197593555	
Μ	ANY ALTERNATE CONTACT Eric Haley	POSITION Environment	t Superint	EMPLOYE Agnic	er co Eagle Mines	ALTERNATE CONTACT		ALTERNATE TELEPHONE 8196511010	
		l	REPORT LIN	LE USE ON	ILY	1	I		
NI	RECEIVED AT SPILL LINE BY	POSITION		EMPLOYE	R	LOCATION CALLED	F	REPORT LINE NUMBER	
Ν		STATION OPERATOR				YELLOWKNIFE, NT	(1	867) 920-8130	
LEA		NWT □ GN □ ILA □ INA	C INEB ITC	SIGN			FILE STATU	JS □ OPEN □ CLOSED	
AGE	NCY	CONTACT NAME		CONTACT TIME		REMARKS			
LEAD	DAGENCY								
	T SUPPORT AGENCY								
	D SUPPORT AGENCY					1			



2023-12-15 MBK Seepage – Contaminated Water

GN reference #: 2023-524

Please find the following information as a follow up to the spill report, #2023-524 submitted December 15th, 2023, by Agnico Eagle Meadowbank division. This detailed report is submitted to the Inspector in compliance with the conditions under the Nunavut Water Board License 2AM-MEA1530, Part H, Item 8c.

Description

During a site assessment, evidence of water flow was observed on the west side of the assay lab road. Upon further investigation an inflow of water was found to be contained within existing water management infrastructure previously constructed.



Figure 1. Water/Snow mixture contained upstream of the seepage collection trench.

Spill Location: 65° 1'10.86"N 96° 4'20.61"W on IOL

There were no off-site impacts or discharges. Distance to the closest water body is 145 m to Third Portage Lake.



Figure 2. Site aerial image with water management infrastructure identified

<u>Cause</u>

The exact source of the spill is still currently under investigation and dye testing has been utilized to eliminate areas of potential release. There has been no visual water inflow observed since December 26th, 2023.

Remediation Actions

Upon the discovery of the water inflow an investigation was launched to identify potential sources of the water. The investigation process and current findings are presented in the section below.

The existing retention berm of Assay Road South were raised, prior to excavating the contaminated snow and ice to increase retention capacity in the event water inflow was more than expected. A total of 270m³ of contaminated snow/ice have been removed from the area and brought to the Meadowbank Tailings Storage Facility; this total includes snow from the excavation area following snowfall and blowing snow events. It is estimated that ~20m³ of contaminated water flowed into the containment area.



Figure 3. Snow removal from the Mill Seepage intercer trench Dec. 16th, 2023



Figure 4. Containment berms being raised prior to excavation of snow/ice.



Figure 5. Continued berm repairs and excavation activities on Dec. 19th, 2023



Figure 6. Water inflow on Dec. 20th, 2023



Figure 7. Snow/Ice removal Dec.26th



Figure 8. Water Inflow investigation Jan 1, 2024



Figure 9. Water inflow investigation Jan 11th, 2024

Investigation Actions

Internal samples were collected processed on site for CN WAD, Cu, Fe, As and field parameters. Samples were collected from locations around site which included: MW-202, MW-203, Third Portage Lake, Raw Drinking Water, Carbon-in-Pulp (CIP) sump for comparison to the water flowing into the Assay South Retention Berm. Additional samples were also collected for the downstream environment (Third Portage Lake), Raw Drinking Water and the CIP sump and sent to external labs for RUSH analysis. Preliminary results are presented below in Table 1. Snow accumulation in the mill seepage interception trench was excavated to confirm the absence of water and all existing monitoring wells were assessed for the presence of water. The monitoring wells have been installed since 2014, following Spill Report 13-379, and are monitored during summer months. All sumps, tanks, secondary containments within the mill along with freshwater pipes and lift stations upstream of the seep were inspected for any abnormalities. A section of sealant within the CIP sump was found to be loose. This area was isolated using sandbags and the sump was kept as dry as possible. The frequency of visual inspections of all sumps in the mill was increased. Dye testing has been utilized within the CIP sump to validate the integrity of the sump. Following the dye test within the mill, no dye was observed in the retention berm.

Table 1 – Preliminary result	t of samples collected on December 17 th , 2023.
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	рН	Conductivity µS/cm	Cyanide mg/L	Arsenic mg/L	Copper mg/L	Lead mg/L	Nickel mg/L	Zinc mg/L
Water								
Inflow	7.26	1810	0.0421	0.111	0.00656	0.0015	0.0226	0.0105
Carbon-in-	0.00	4700	0 500	0.4040		0 4 405 0	0 5044	0.00
Pulp Sump	9.06	4726	0.583	0.1919	1.1	0.14352	0.5641	0.02
Third Portage Lake	7.62	127.5	<0.00050	0.00064	0.00073	<0.00020	<0.0010	<0.0050
Drinking Water Raw	6.19	24.7	<0.00050	0.00019	<0.00050	<0.00020	<0.0010	<0.0050

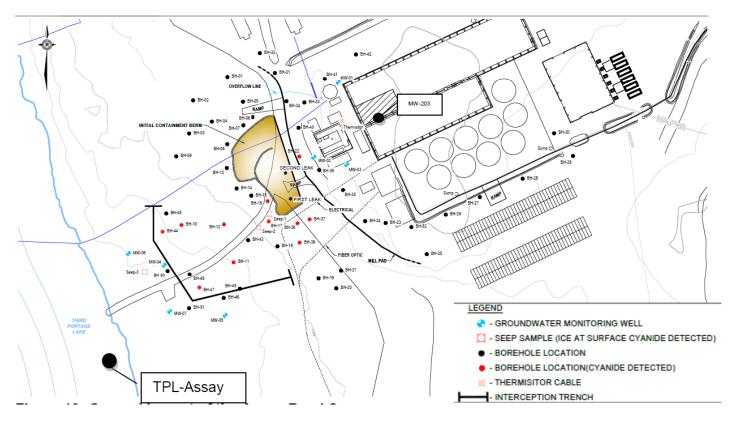


Figure 10. General Layout of the Assay Road Seepage monitoring wells as presented in the Meadowbank Complex's 2022 Annual Report

Corrective Measures

Continued monitoring of the area will continue a routine basis throughout Freshet. Continued investigation work within the Mill utilizing dye within different sumps, tanks, and containments to identify the seepage origin, should water inflow resume. As a precaution Agnico will be bringing in an expert to inspect and repair, if needed, all foundation sealants, within the mill sumps.

<u>Closure</u>

We trust that the above details described appropriately the spill incident that occurred at the Meadowbank site on December 15th, 2023, and the cleanup activities and on-going monitoring efforts. Please contact the undersigned should you have any questions.



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