Appendix 16: 2022 Reportable Spills





Canadä

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

Α	REPORT DATE: MONTH – DAY 01-26-2022	– YEAR	16		ГІМЕ	1.	XORIGINAL SPILI	REPORT,	REPORT NUMBER	
В	OCCURRENCE DATE: MONTH 01-25-2022	– DAY – YEAR		18:00	ENCE TIME	1	□ UPDATE # TO THE ORIGINAL	SPILL REPORT		
С	LAND USE PERMIT NUMBER ((IF APPLICABLE)			WATER LICENCE 2AM-ME		(IF APPLICABLE)			
D	GEOGRAPHIC PLACE NAME OF Meliadine Gold P	OR DISTANCE AND DIRECTION roject	N FROM NAMED LO	CATION	REGION □ NWT	XNUNAVU	Γ □ ADJACEN	T JURISDICTION	OR OCEAN	
Ε	LATITUDE DEGREES 63	MINUTES 2	SECONDS 12		LONGITUDE DEGREES	92	MINUTES	13 SE	ECONDS 36	
F	RESPONSIBLE PARTY OR VES		RESPONSIBLE PA				it, X0C 0G0)		
G	ANY CONTRACTOR INVOLVED N/A)	N/A	DDRESS	OR OFFICE LO	CATION				
	PRODUCT SPILLED Thickener Water		QUANTITY IN LITE	RES, KILO	OGRAMS OR C	UBIC METRE	S U.N. NUMBEF	l		
Н	SECOND PRODUCT SPILLED N/A	(IF APPLICABLE)	QUANTITY IN LITE	RES, KILO	OGRAMS OR C	UBIC METRE	S U.N. NUMBEF	l		
Ι	SPILL SOURCE Process Plant		SPILL CAUSE Thickener	Bloc	kage		2000	NTAMINATION IN	SQUARE METRES	
J	FACTORS AFFECTING SPILL ON NONE	OR RECOVERY	None	SSISTAN	CE REQUIRED	1	None	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT None		
K	the spill. Freezing immediately. Sam material. No water bodies v	de the building one g conditions and to ples were collecte were impacted wit H, Section 8c of th ompleted. Report	emporary ir ed to deterring the the close new water lice	nstalle mine t st wa ense,	ed berm on the final of the fin	containe disposa (G2 lake up repo	ed the spill I site for th e) approxin	. Clean-up e frozen s nately 600 ssued afte	was initiated pilled m away.	
L	REPORTED TO SPILL LINE BY Brett Fairbairn	POSITION Env. Coordina		EMPLOYE AEM	iR		LOCATION CALLIN		ELEPHONE 819-759-3555	
M	ANY ALTERNATE CONTACT Eric Giroux	POSITION Env. Superint		EMPLOYE AEM	R		ALTERNATE CONT Meliadine LOCATION	-	418-559-2861	
			REPORT LINE	USE ON	LY					
N	RECEIVED AT SPILL LINE BY	POSITION STATION OPERATOR	E	EMPLOYE	R		LOCATION CALLEI		REPORT LINE NUMBER 867) 920-8130	
LEAD	AGENCY DEC DCCG DC	GNWT GN LILA INAC	□ NEB □ TC	SIGNI	FICANCE M	-	OR 🗆 UNKNOWN		JS □ OPEN □ CLOSED	
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LEAD) AGENCY									
FIRS	T SUPPORT AGENCY									
	OND SUPPORT AGENCY									
I IHIR	D SUPPORT AGENCY									



Follow Up Report: #2022019 January 25th, 2022 – Thickener Water Spill

The following information relates to spill 2022019 reported by Agnico Eagle Mines Ltd. On January 26th, 2022, and is being provided in accordance with:

- the Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c
- the Government of Nunavut's, Environmental Protection Act subsection 5.1(a)

Description of Incident

On January 25, 2022 after start-up following a recent blizzard a blockage on the Process Plant Thickener resulted in water being released to the ground outside the building onto the plant site industrial pad. The process was shut down to stop the spill. Freezing conditions and a temporary installed berm contained the spill. Clean-up was initiated immediately. Samples were collected to determine the final disposal site for the frozen spilled material.

No water bodies were impacted with the closest water body (G2 lake) approximately 600 m away.



Figure 1: Location of thickener water spill within Meliadine's water management area.



Figure 2: Final clean up.

Spill Response & Cleanup

The plant was shut down to stop the release. Berms were created to contain the spill and minimize the impacted area. A sample was collected for analysis. An excavator, loader and haul truck were used to clean up the spilled material. All material collected will be placed in the process plant sump where it will be returned to the process plant system.

Cause of Incident and Corrective Measures

The investigation into the cause of the release identified ice build at the overflow discharge pipe following a plant shutdown during blizzard conditions. The ice buildup resulted in a blockage of the discharge causing the thickener tank to overflow.

To prevent recurrence, modifications to the mill startup procedure to inspect the thickener overflow pipe to ensure the overflow is free of any obstructions.

Brett Fairbairn | Environment Coordinator



brett.fairbairn@agnicoeagle.com Direct 819.759.3555 x4603996 Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada XOC 0G0



Sent from Meliadine





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

Α	01-31-2022		REPORT TI 14:45	IME	☐ ORIGINAL SPILL RE	EPORT,	REPORT NUMBER		
В	OCCURRENCE DATE: MONTH – 01-30-2022	DAY – YEAR	(000 OCCURRE	NCE TIME	XUPDATE #TO THE ORIGINAL SPI	LL REPORT		
С	LAND USE PERMIT NUMBER (IF KVPL11D01	APPLICABLE)			WATER LICENCE NUMBE 2AM-MEL 1631	,			
D	GEOGRAPHIC PLACE NAME OR Meliadine Gold Pro		N FROM NAMED LO		REGION NWT XNUNA	/UT □ ADJACENT JU	JRISDICTION	OR OCEAN	
Ε	323.1220	IINUTES 2	SECONDS 14		ONGITUDE DEGREES 92	MINUTES 13	B SE	ECONDS 37	
F	RESPONSIBLE PARTY OR VESS Agnico Eagle Mine				ress or office loca kin Inlet, Nuna				
G	ANY CONTRACTOR INVOLVED N/A		CONTRACTOR A	DDRESS C	DR OFFICE LOCATION				
Н	PRODUCT SPILLED Maintenance Shop		QUANTITY IN LIT	RES, KILO	GRAMS OR CUBIC MET	RES U.N. NUMBER N/A			
П	SECOND PRODUCT SPILLED (IF N/A	APPLICABLE)	QUANTITY IN LIT	RES, KILO	GRAMS OR CUBIC MET	RES U.N. NUMBER N/A			
	SPILL SOURCE Storage tote		SPILL CAUSE Puncture	d Tote		area of contain 20	Mination in	SQUARE METRES	
J	FACTORS AFFECTING SPILL OR None	RECOVERY	None None	ASSISTANC	DE REQUIRED	None	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT None		
K	into a seacan. The A total of 1000 litre spill to the local arc contaminated snow	s was spilled to ea. The spill was	the ground cleaned u	l. Froze p using	en condition a g the skid stee	nd the flat surf	ace con	tained the	
1\	Pursuant to Part H, investigation is colext. 4603996		ne water lic	ense, a	a follow-up rep	oort will be issu	ued afte	r the	
L	Pursuant to Part H	, Section 8c of th	ne water lic red by Brett	ense, a	a follow-up rep airn, Environm	oort will be issu	ued afterator, 819	r the	
L	Pursuant to Part H, investigation is colext. 4603996	, Section 8c of the mpleted. Report	ne water lice red by Brett	ense, a	a follow-up rep airn, Environm	port will be issumental Coordina	ROM T	r the 9-759-3555	
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Follow Up Report: #2022036 January 30, 2022 Oil Contaminated Waste Water Spill

The following information refers to spill #2022036 reported by Agnico Eagle Mines Ltd. January 31st, 2022, and is being provided in accordance with:

- the Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c
- the Government of Nunavut's, Environmental Protection Act subsection 5.1(a)

Description of Incident:

On January 30, 2022, an operator was using a skid steer to load oil contaminated wastewater totes into a seacan. The skid steer forks came into contact with a tote inside the seacan spilling the contents to the ground. Approximately 1000 litres of oil contaminated wastewater was spilled to the ground.



Figure 1: Spill scene January 30, 2022.



No water bodies were impacted by this spill. The closest natural water body (G2 lake) is 600 m from the spill location. The coordinates of the spill are 63° 2'14"N, 92°13'37"W (Figure 2).



Figure 2: Location of spill outside the MSB maintenance shop

Spill Response & Clean-up:

Frozen condition and the flat surface kept the spill contained to the local area as shown in Figure 1. The spill was cleaned up using a skid steer and the contaminated snow was disposed of in the contaminated snow cell.



Figure 3: Initial cleanup process. Stockpile material later taken to the contaminated snow cell.



Corrective Measures:

After investigation, it was determined that the forks on the equipment we inserted too far and punctured the tote inside the seacan.

A spotter was onsite as per the procedure; however, the spotter cannot enter the seacan while inserting a tote for Health & Safety considerations as this would put him in the line of fire.

To prevent reoccurrence of similar incidents, the procedure MEL-HSH-PRO-0027 Handling Totes and Barrels with Forked Equipment will be updated to include the installation of a device on the fork that will prevent the fork from being inserted too far.

This will prevent totes already in seacans from being punctured in the future.



Brett Fairbairn | Environment Coordinator brett.fairbairn@agnicoeagle.com | Direct 819.759.3555 x4603996 | Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0





Sent from Meliadine





Canada 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

Α	REPORT DATE: MONTH – DAY - 02-09-2022			REPORT T	IME	XORIGINAL SPILL REPORT,		REPORT NUMBER		
	OCCURRENCE DATE: MONTH -	- DAY – YEAR			NCE TIME	OR UPDATE #				
В	02-08-2022			14:00		TO THE ORIGINAL SPILL REF	ORT -			
С	LAND USE PERMIT NUMBER (II KVPL11D01	= APPLICABLE)			NATER LICENCE NUMBER 2BB-MEL-1424	R (IF APPLICABLE)				
D	GEOGRAPHIC PLACE NAME OF Meliadine Gold Pr		N FROM NAMED LC	CATION	REGION	JT □ ADJACENT JURISDI	CTION OF	OCEAN		
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Ε	DEGREES 63	MINUTES 0	SECONDS 48	[DEGREES 92	MINUTES 12	SECO	NDS 53		
F	RESPONSIBLE PARTY OR VES. Agnico Eagle Mine				ress or office locat kin Inlet, Nunav					
G	ANY CONTRACTOR INVOLVED Orbit Garant		Val d'Or,		RESS OR OFFICE LOCATION uebec					
	PRODUCT SPILLED Engine Oil		QUANTITY IN LIT	RES, KILO	GRAMS OR CUBIC METR	U.N. NUMBER				
Н	SECOND PRODUCT SPILLED (I	F APPLICABLE)		RES, KILO	GRAMS OR CUBIC METR					
	N/A	_	N/A			N/A				
I	SPILL SOURCE Drill Rig		Equipmer	nt Failu	ure	15	ON IN SQU	JARE METRES		
J	FACTORS AFFECTING SPILL O None	R RECOVERY	None	ASSISTANO	CE REQUIRED	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT None				
K	on Lake A8 a work which migrated or contained before i being recovered. No oil entered the Pursuant to Part Hinvestigation is collected to contact information	to the surface in the could migrate of the water body as it supplies. Section 4c of the could be more than 1, Section 4c of th	e of the lake lown the ice was contain ne Water Lice 33"W	e. Abs e. The ned or cence,	orbent pads we drill was shut o n the surface of a follow-up rep	ere deployed and down and contaminate the ice cover.	the spi inated	ill was material is		
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Follow Up Report: #2022029 February 8th, 2022, Engine Oil on Water Body B38 – Drill Rig#10



The following information refers to a spill reported by Agnico Eagle Mines Ltd. on February 9th, 2022, and is being provided in accordance with:

- the Nunavut Water Board License 2BB-MEL1424 Water License, part H, item 4c
- the Fisheries Act subsection 38(5)

Description of Incident:

On February 8th, at approximately 14:00, Environment Technicians were conducting an inspection of surface Drill# 10, operated by AEM's contractor Orbit Garant. During the inspection, areas with small amounts engine oil dripping from inside the rigs onto the lake ice were observed. The drill released approximately 15 L of engine oil. The coordinates of the spill are: 63° 0′ 28.93" N, 92°12' 31.50"W, on the Water body B38, which is a shallow pond with a maximum depth of 1.5 m (therefore it is generally assumed to freeze completely to the bottom and would not support fish through the winter season).



Figure 1: Incident Location

Spill Response & Cleanup:

During the inspection, Environment technicians notified the drillers of the issues. Absorbent pads were placed beneath the drips immediately. The Orbit Garant supervisor was notified, and the drills were shut down immediately to perform a preliminary cleanup and ensure the spill was contained. The cleanup was then finalized following the movement of the drill. Regular inspections were performed by the Environment Department during this time to ensure environmental compliance.

The drill was completed to another borehole location on February 14th, and the site remediation was performed during the following night. A dozer was used to scrape the contaminated snow and ice and a composite sample was collected on the ice surface of Pond B38 on February 15th in the incident area. The ice sample was sent to the laboratory for analysis of the following parameters: BTEX, F1-F4 Hydrocarbons, Oil & Grease, total metals, Conductivity, pH, and Total Suspended Solids (TSS).

Results showed concentrations below detection limit for BTEX and F1-F4 Hydrocarbons, while total Oil & Grease concentration is of 0.8 mg/L. For reference, the maximum concentration of any grab sample applicable to Effluent discharge in Meliadine Lake at monitoring station MEL-7 is of 5 mg/L for Oil & Grease and no visible sheen, as per Water Licence 2BB-MEL1424 Part D Item 11. The certificate of analysis is attached and identified as Appendix A.



Figure 2: Area after remediation efforts



Figure 3: Ice surface after remediation efforts

The contaminated ice and snow were disposed at the Snow Cell where it will be stored until snowmelt, at which point the contaminated water will be transferred to the Landfarm for treatment at the oil-water separator, with the other existing material accumulated during Winter, as per the Water Management Plan.

Impact Assessment:

Although the spill occurred on the lake ice, it is expected that minimal impacts occurred to the water body itself because all the contaminated ice was removed, as demonstrated by the quality of the post clean-up surface sample, and because the lake was frozen to the bottom.

Indeed, prior to mobilizing the drill and beginning the drilling operations, Orbit Garant confirmed Pond B38 was frozen to bottom, and the most recent ice thickness survey of Pond B38 was conducted March 8th, 2022, showed the pond still frozen to the bottom, with 45.7 cm of ice at the location of the survey.

Corrective Measures:

The *Spill Retainment's at the Drills and Pump Shack* procedure applicable to drill rig investigation (attached as Appendix B) was thoroughly reviewed with both Orbit Garant shifts to remind crews of the importance of routine, regular inspections of their rigs (as per the section 5.2 of the attached procedure).

Furthermore, Orbit Garant is now using a more detailed Form for daily inspections (attached as Appendix C) and started to wrap high risk drill areas with absorbent rags to prevent a spill from occurring. As per Orbit Garant's Drill Environmental Inspection Guide (Appendix D), when absorbent rags show signs of saturation, the source of the leak is identified and fixed and the absorbent rags are replaced.

In addition, since this incident, the Environment Department increased its environmental inspections on drill located on water bodies, currently these inspections are being conducted every 2 days

Finally, to demonstrate the seriousness of the incident, AEM asked that the Orbit employees that were working at Drill 10 at the time of the spill be released of their duties. They left Meliadine on the next plane leaving site after the incident occurred.

Erratum:

In the initial spill report sent February 9th, 2022 (#2022029), hydraulic oil was listed as the product spilled under section "H" but after further investigation, it was determined that the material released was engine oil.

In the initial spill report sent February 9th, 2022 (#2022029), the water body on which the spill occurred was misidentified in section "K" as A8 but should have read B38 as the drill was located on Pond B38. Related to this misidentification, the following information communicated to Christine Wilson (CIRNAC) on February 11th, 2022 "A8 is completely frozen, no oil entered the water body." should have read "B38 is completely frozen, no oil entered the water body."





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Α	\			12:00		E		▼ORIGINAL SPILL REPORT, OR			REPORT NUMBER	
	OCCURRENCE DATE: MONTH	– DA	Y – YEAR		OCCURF		 CE TIME		OR □ UPDATE #			TIEL OTT NOWBER
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Ε	DEGREES 63	MIN	UTES 2	SECONDS 2'	1	DE	GREES 92	2	MINUTES	13	SI	ECONDS 41
F	RESPONSIBLE PARTY OR VE			RESPONSIBLE Meliadin					on ut, XOC OC	3 0		
G	ANY CONTRACTOR INVOLVED N/A)		CONTRACTOR N/A	ADDRESS	OR	OFFICE LOCA	ATION				
	PRODUCT SPILLED Untreated Sewag	е		80 Liters	ANTITY IN LITRES, KILOGRAMS OR CUBIC METRES D Liters					ER		
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_	Brett Fairbarin		Env. Coordina	ator	AEM				Meliadin			819-759-3555
M	ANY ALTERNATE CONTACT Eric Giroux		POSITION Env. Superint	endent	AEM				Meliadin Location			418-559-2861
				REPORT LIN								
N	RECEIVED AT SPILL LINE BY		POSITION		EMPLOY	ER			LOCATION CAL			REPORT LINE NUMBER
			STATION OPERATOR		<u> </u>				YELLOWKNIFE,			867) 920-8130
LEA	DAGENCY DEC DCCG DC	GNWT	GN □ ILA □ INAC	□ NEB □ TC	SIGN	IIFIC	ANCE MINO	OR 🗆 MA	JOR UNKNOW	VN FILE	STATU	JS □ OPEN □ CLOSED
AGE	NCY	CON	TACT NAME		CON	TAC	TTIME		REMARKS			
LEAD AGENCY												
FIRS	T SUPPORT AGENCY											
SEC	OND SUPPORT AGENCY											
THIE	D SUPPORT AGENCY											



Follow Up Report: #2022045 February 18, 2022 – 80 L Untreated Sewage

The following information refers to an incident # 2022045 reported by Agnico Eagle Mines Ltd. February 19, 2022, and is being provided in accordance with:

the Nunavut Water Board License 2AM-MEL1631 Water License, Part H, item 8c

Description of Incident

At approximately 17:30 on February 18, 2022, the Environment Department was notified of a spill of approximately 80 L of raw sewage. The spill occurred when a transfer valve was accidentally left in the open position after the sewage tank was drained.

The coordinates of this spill are 63° 1′ 42.70"N, 92° 12′ 47.81"W. No water bodies were impacted by this spill. The nearest water body (B7) is 880 m west.



Figure 1: Location of the spill at KCG lift station

Spill Response & Cleanup

The sewage tank transfer valve was closed to stop the spill. The topography of the area and the freezing conditions prevented the sewage from migrating off site. Mobile equipment was used to recover the spilled material which was placed in containers. The spilled material will be returned to the sewage treatment system for processing once thawed.



Figure 2: Spill cleanup area (contaminated ice removed and material put down to prevent slipping)

Cause of Incident and Corrective Measures

After an investigation, it was discovered that the valve on the sewage tank was not returned to the proper position after draining the sewage tank. The sucker truck operational procedure has been reviewed and updated with additional details on spill prevention. The updated procedure will be reviewed by all sucker truck operators prior to operating the truck. The updated procedure is also available in the sucker truck for ease of reference.



Brett Fairbairn | Environment Coordinator brett.fairbairn@agnicoeagle.com | Direct 819.759.3555 x4603996 | Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0

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Sent from Meliadine





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

Λ	REPORT DATE: MONTH – DAY – YEAR							XORIGINAL SPILL REPORT,		
Α	02-26-2022			17:30				OR OR	LILI OIII,	REPORT NUMBER
В	OCCURRENCE DATE: MONTH 02-26-2022	I – DAY – YEAR		00CURR		ETIME		☐ UPDATE # TO THE ORIGINAL	SPILL REPORT	<u>-</u>
С	LAND USE PERMIT NUMBER ((IF APPLICABLE)			1	ER LICENCE		(IF APPLICABLE)		
ח	GEOGRAPHIC PLACE NAME (ΓΙΟΝ FROM NAMED L	OCATION	ı	REGION				
D	Meliadine Gold P	roject					X NUNAVU	T ADJACEN	T JURISDICTION	OR OCEAN
Е	LATITUDE DEGREES 63	MINUTES 2	seconds 21	1		GITUDE REES 92	2	MINUTES	13 si	ECONDS 41
F	RESPONSIBLE PARTY OR VER		RESPONSIBLE Meliadin					on u t, X0C 0G ()	
G	ANY CONTRACTOR INVOLVED N/A)	CONTRACTOR .	ADDRESS	OR C	FFICE LOC	ATION			
	PRODUCT SPILLED Untreated Sewag	е	QUANTITY IN LI	,	.OGR/	AMS OR CUI	BIC METRE	U.N. NUMBER	3	
Н	SECOND PRODUCT SPILLED N/A	(IF APPLICABLE)	QUANTITY IN LI	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES N/A					3	
I	SPILL SOURCE Power Plant Lift S	Station	SPILL CAUSE Overflow	SPILL CAUSE Overflow					ntamination in	SQUARE METRES
J	FACTORS AFFECTING SPILL (DESCRIBE ANY	DESCRIBE ANY ASSISTANCE REQUIRED N/A					HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT N/A		
An overflow of the power plant lift station resulted in a spill of 1500L of sewage to the industrial pad. The spill was contained to a low spot in the local area. A sucker truck was used to clean up the unfrozen material and the clean up of the frozen material is ongoing. The cause of the overflow is still under investigation and will be included in the follow up report. The location of the spill was 63° 2' 17"N, 92° 13' 32"W. No water bodies were impacted by this spill.									up the operation of the prepart.	
	A follow-up repor Environment Coo	t will be issued	at a later dat	te. Rep	por				agle.com.	
L	REPORTED TO SPILL LINE BY Brett Fairbarin	POSITION Env. Coord	inator	AEM				Meliadine	I .	ELEPHONE 819-759-3555
M	ANY ALTERNATE CONTACT Eric Giroux	POSITION Env. Gen. S	Supervisor	AEM				ALTERNATE CONT Meliadine LOCATION	-	ALTERNATE TELEPHONE 418-559-2861
			REPORT LIN	IE USE OI	NLY					
N	RECEIVED AT SPILL LINE BY	POSITION		EMPLOYI	ER			LOCATION CALLE	D F	REPORT LINE NUMBER
1		STATION OPERATOR	3	<u> </u>				YELLOWKNIFE, N	T (867) 920-8130
LEAD	AGENCY DEC DCCG DC	GNWT □ GN □ ILA □ IN	NAC □ NEB □ TC	SIGN	IIFICA	NCE MIN	IOR 🗆 MA	JOR UNKNOWN	FILE STATE	JS □ OPEN □ CLOSED
AGE	NCY	CONTACT NAME		CON	TACT	TIME		REMARKS		
LEAD) AGENCY									
FIRS	T SUPPORT AGENCY									
SEC	OND SUPPORT AGENCY									
THIR	D SUPPORT AGENCY									



Follow Up Report: #2022055 February 26, 2022 – 1500 L Sewage

The following information refers to an incident # 2022055 reported by Agnico Eagle Mines Limited February 26, 2022, and is being provided in accordance with:

the Nunavut Water Board License 2AM-MEL1631 Water License, Part H, item 8c.

Description of Incident

At approximately 9:00 on February 26, 2022, the Environment department was notified of a spill of approximately 1500 L of sewage. The power plant lift station overflowed resulting in a spill of 1500 L of sewage on the industrial pad.

The coordinates of this spill are 63° 2′ 17″N, 92° 13′ 32″W. No water bodies were impacted by this spill. The closest water body (G2) is 500 m North.



Figure 1: Location of the spill by the power plant lift station

Spill Response & Cleanup

The lift station was shut down to stop the spill. The topography of the area and the freezing conditions prevented the sewage from migrating off site. Easily accessible unfrozen material was cleaned by a vacuum truck. The location of the spill (in an area with several electrical cables) limited the quantity of spilled material that could be recovered immediately and Agnico Eagle is evaluating different options to safely remove the contaminated material.



Figure 2: Power plant lift station spill clean up

Cause of Incident and Corrective Measures

A misfunction on the pump discharge line caused wastewater from the process plant to backfill into the power plant lift station, causing an overflow.

Following this event, a plumber was sent to inspect and repair the line. The check valve on the pump discharge line was replaced and the high-level float preventing the pump from continuously running was also serviced. Furthermore, daily lift station checks are being conducted by the Energy and Infrastructure Department.

Agnico Eagle is confident the implemented corrective measures mitigate the risks of a similar situation reoccurring.



Sara Savoie Environment General Supervisor sara.savoie@agnicoeagle.com Direct 819.759.3555 x4603212 Mobile 819.856.9349

Agnico Eagle Mines Limited - 11600, rue Louis-Bisson - Mirabel, Quebec, Canada J7N 1G9

Sent from Meliadine





Canada 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

Α	REPORT DATE: MONTH – DAY - 02-28-2022	-YEAR		REPORT TI 18:30	IME		X ORIGINAL SPILL	REPORT,	REPORT NUMBER	
В	OCCURRENCE DATE: MONTH - 02-27-2022	– DAY – YEAR	(OCCURRE	NCE TIME		OR ☐ UPDATE # TO THE ORIGINAL	SPILL REPORT		
С	LAND USE PERMIT NUMBER (I	F APPLICABLE)			VATER LICENCE 2AM-ME		(IF APPLICABLE)			
D	GEOGRAPHIC PLACE NAME O Meliadine Gold Pr		N FROM NAMED LC	CATION	REGION	X NUNAVU	T □ ADJACENT	JURISDICTION	OR OCEAN	
Ε	LATITUDE	•	0.4		ONGITUDE					
	DEGREES 63 RESPONSIBLE PARTY OR VES	MINUTES 2	SECONDS 21		DEGREES 9			13 SE	ECONDS 41	
F	Agnico Eagle Min	es Ltd.	Meliadine	, Rank	in Inlet,	Nunavi	ut, X0C 0G0			
G	ANY CONTRACTOR INVOLVED N/A		N/A	DDRESS O	R OFFICE LO	CATION				
	PRODUCT SPILLED Untreated Sewage	9	QUANTITY IN LIT Unknown		GRAMS OR CU	JBIC METRE	U.N. NUMBER			
Η	SECOND PRODUCT SPILLED (IF APPLICABLE)	QUANTITY IN LIT	RES, KILO	GRAMS OR CL	JBIC METRE	U.N. NUMBER			
_	SPILL SOURCE		SPILL CAUSE						SQUARE METRES	
	Wing 10/11 Lift St		Frozen Di				unknow			
J	FACTORS AFFECTING SPILL O	OR RECOVERY	N/A	ASSISTANC	E REQUIRED		N/A	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT N/A		
An unknown volume of sewage was spilled from the wing 10/11 lift station. The lift station door was found in the open and the cause is expected to be a frozen discharge line. The spill froze in place and is currently covered in snow. The cause and extent of the spill is still under investigation and will be included in the follow up report. The location of the spill was 63° 2′ 23"N, 92° 13' 50"W. No water bodies were impacted by this spill. The nearest natural water-body (G2) is 200 m north. A follow-up report will be issued at a later date. Reported by Brett Fairbairn - Environment Coordinator 819-759-3555 ext. 4603996 Brett.Fairbairn@agnicoeagle.com.									in place and llow up y this spill.	
L	REPORTED TO SPILL LINE BY Brett Fairbarin	Env. Coordin		EMPLOYER AEM	3		Meliadine		ELEPHONE 819-759-3555	
M	ANY ALTERNATE CONTACT Eric Giroux	POSITION Env. Gen. Su		EMPLOYER AEM	3		ALTERNATE CONTA Meliadine	-	LTERNATE TELEPHONE 418-559-2861	
	I		REPORT LINE	USE ONL	_Y					
Ν	RECEIVED AT SPILL LINE BY	POSITION	E	EMPLOYER	3		LOCATION CALLED	F	REPORT LINE NUMBER	
1 1		STATION OPERATOR					YELLOWKNIFE, NT	(3		
LEA	LEAD AGENCY EC CCG GNWT GN ILA INAC NEB TC SI				SIGNIFICANCE □ MINOR □ MAJOR □ UNKNOWN FILE STATUS □ OPEN □ CLOS					
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Follow Up Report: #2022056 February 27, 2022 – Unknown Volume Sewage

The following information refers to an incident #2022056 reported by Agnico Eagle Mines Ltd. February 27, 2022, and is being provided in accordance with:

the Nunavut Water Board License 2AM-MEL1631 Water License, Part H, item 8c.

Description of Incident

At approximately 22:00 on February 27, 2022, sewage was spilled from the Wing 10 and 11 lift station. The exact volume of the spill could not be estimated due to health and safety concerns as there are electrical lines in the area which restrict equipment and personnel access. Approximately 150 L of visible and accessible sewage was removed using hand tools.

The coordinates of this spill are 63° 2′ 23"N, 92° 13′ 50"W. No water bodies were impacted by this spill. The closest water body (G2) is approximately 200 m north.



Figure 1: Location of the spill between wings 10 and 11.

Spill Response & Cleanup

The lift station was shut down to stop the spill and approximately 150 L of visible and accessible contaminated material was cleaned up and placed in steel drum to be returned to the sewage treatment system at a later time.

Additional cleanup of the area will be completed during spring/summer months.



Figure 2: Lift station spill general area was cleaned with sucker truck and shovel

Cause of Incident and Corrective Measures

The door of the lift station was found opened. This led to the discharge lines freezing and resulted to an overflow in the lift station. Additionally, the alarm in the lift station froze in the cold weather, rendering it inoperable.

A door latch has been installed to keep the door closed and a frost fighter was also installed to prevent the line from freezing in the future.

Furthermore, an electrician has performed an inspection of all safety/warning systems (strobes and horns) on all lift stations to ensure that safety systems are working as designed and has recommended installation of alarms supporting colder conditions which will be installed in the upcoming weeks.





NT-NU SPILL REPORT

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TEL: (867) 920-8130 FAX: (867) 873-6924 EMAIL: spills@gov.nt.ca

Α	REPORT DATE: MONTH – DAY – YEAR				TIME			▼ORIGINAL SPILL REPORT,			
^	02-28-2022	L DAY VEAR		11:30		E TIME		OR		REPORT NUMBER	
В	OCCURRENCE DATE: MONTH 02-27-2022	I – DAY – YEAR		10:00		E IIME		☐ UPDATE # TO THE ORIGINAL	SPILL REPORT		
С	LAND USE PERMIT NUMBER ((IF APPLICABLE)			l	ER LICENCE		(IF APPLICABLE)			
D	GEOGRAPHIC PLACE NAME OF Meliadine Gold P		N FROM NAMED L	OCATION		REGION	_				
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F	RESPONSIBLE PARTY OR VES		RESPONSIBLE Meliadin					on ut, X0C 0G()		
G	ANY CONTRACTOR INVOLVED N/A)	CONTRACTOR A	ADDRESS	OR	OFFICE LOCA	ATION				
Н	PRODUCT SPILLED Untreated Sewage	е	QUANTITY IN LI	TITY IN LITRES, KILOGRAMS OR CUBIC METRES					3		
П	SECOND PRODUCT SPILLED N/A	(IF APPLICABLE)	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES N/A					U.N. NUMBER	3		
	SPILL SOURCE MSB Lift Station		SPILL CAUSE Transfer Spill					AREA OF CO	ntamination in	SQUARE METRES	
J	FACTORS AFFECTING SPILL O	OR RECOVERY	DESCRIBE ANY ASSISTANCE REQUIRED N/A					HAZARDS TO	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT N/A		
A 25L sewage spill was identified next to the Multi Service Building (MSB) lift station on the industria pad after the sucker truck was emptied. The spill froze in place and was contained to the local area. The cause of the spill is still under investigation and will be included in the follow up report. The location of the spill was 63° 2' 21"N, 92° 13' 40"W. No water bodies were impacted by this spill. The nearest natural water-body (G2) is 500 m north. A follow-up report will be issued at a later date. Reported by Brett Fairbairn. Environment Coordinator 819-759-3555 ext. 4603996 Brett.Fairbairn@agnicoeagle.com.									oort.		
L	REPORTED TO SPILL LINE BY Brett Fairbarin	POSITION Env. Coordin	ator	EMPLOYE AEM	ER			Meliadine		ELEPHONE 819-759-3555	
M	ANY ALTERNATE CONTACT Eric Giroux	POSITION Env. Gen. Su	pervisor	EMPLOY!	ER			ALTERNATE CONT Meliadine	 	ALTERNATE TELEPHONE 418-559-2861	
		l	REPORT LIN	E USE ON	NLY						
N	RECEIVED AT SPILL LINE BY	POSITION		EMPLOYE	ER			LOCATION CALLE	D I	REPORT LINE NUMBER	
I V		STATION OPERATOR						YELLOWKNIFE, N	т (867) 920-8130	
LEAD	DAGENCY DEC DCCG DC	GNWT □ GN □ ILA □ INA	C □ NEB □ TC	SIGN	IIFICA	ANCE - MIN	OR 🗆 MA	JOR - UNKNOWN	FILE STAT	JS □ OPEN □ CLOSED	
AGE	NCY	CONTACT NAME		CONT	TACT	TIME		REMARKS			
LEAD	D AGENCY										
FIRS	T SUPPORT AGENCY										
SEC	OND SUPPORT AGENCY										
THIR	HIRD SUPPORT AGENCY										



Follow Up Report: #2022057 February 27, 2022 – 25 L Sewage

The following information refers to an incident #2022057 reported by Agnico Eagle Mines Ltd. February 27, 2022, and is being provided in accordance with:

the Nunavut Water Board License 2AM-MEL1631 Water License, Part H, Item 8c.

Description of Incident

At approximately 10:00 on February 27, 2022, 25L of sewage was spilled at the Multi Service Building (MSB) lift station when the vacuum truck hose was disconnected.

The coordinates of this spill are 63° 2′ 21"N, 92° 13' 40"W. No water bodies were impacted by this spill. The closest water body (G2) is approximately 500 m north.



Figure 1: Location of the MSB lift station spill

Spill Response & Cleanup

The spill was contained to the local aera. The topography of the area and the freezing conditions prevented the sewage from migrating off site, facilitating spill recovery. Frozen contaminated material was collected and placed in drums to be returned to the sewage treatment system at a later date.



Figure 2: MSB lift station spill clean up

Cause of Incident and Corrective Measures

Due to COVID-19 related staff reorganization, the regular vacuum truck operating crew wasn't on site at the time of the incident and the temporary vacuum truck operator did not follow the proper sequence during the vacuum truck unloading.

The vacuum truck operational procedure was recently reviewed to include usage of a drip bucket while on and off loading and a copy has been laminated and placed in the vacuum truck for ease of reference.

This procedure was reviewed with the vacuum truck operator working at the time of the spill and will be reviewed with regular operators as they come back to site before they operate the vacuum truck.

Furthermore, regular toolbox meetings on spill prevention have been scheduled with the vacuum truck operators and Agnico Eagle is evaluating other options to reduce risks of spill occurrences at lift stations.





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NT-NU 24-HOUR SPILL REPORT LINE

TEL: (867) 920-8130 FAX: (867) 873-6924 EMAIL: spills@gov.nt.ca

Α	REPORT DATE: MONTH – DAY 03-05-2022	-YEAR		15:00				X OR	ORIGINAL SPIL	L REPORT,		REPORT NUMBER
В	OCCURRENCE DATE: MONTH	– DAY – YEAR		9:00		TIME			JPDATE # THE ORIGINA	SPILL REPOR	ī	-
С	LAND USE PERMIT NUMBER (I	IF APPLICABLE)			1		E NUMBER L1631	R (IF	APPLICABLE)			
D	GEOGRAPHIC PLACE NAME O Meliadine Gold Pr		N FROM NAMED L	OCATION		EGION NWT	X NUNAVI	UT	□ ADJACEN	IT JURISDICTIO	ON OI	R OCEAN
Ε	LATITUDE DEGREES 63	MINUTES 2	seconds 21	1	LONG	SITUDE	2		MINUTES	13	SEC	conds 41
F	RESPONSIBLE PARTY OR VES	SSEL NAME	RESPONSIBLE Meliadin		DDRES	S OR OFF)		
G	ANY CONTRACTOR INVOLVED Orbit Garant		CONTRACTOR Val d'Or,			FFICE LO	CATION					
	PRODUCT SPILLED Diesel fuel		QUANTITY IN LI	TRES, KIL	LOGRA	MS OR CL	JBIC METR	RES	U.N. NUMBE	3		
Н	SECOND PRODUCT SPILLED (IF APPLICABLE)	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES N/A					U.N. NUMBE	3			
I	SPILL SOURCE 4000L Double Wa	lled Fuel Tank	SPILL CAUSE Refueling Overflow					AREA OF CO	NTAMINATION	IN SC	QUARE METRES	
J	FACTORS AFFECTING SPILL C	DR RECOVERY	DESCRIBE ANY ASSISTANCE REQUIRED N/A						HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT N/A			
K	worker identified a Absorbent pads was contained on Pursuant to Part Hinvestigation is collicontact information	d the spill we ice cover the Water Li	was c r. icense	onta e, a ¹	ined. follow	No die ⁄-up rep	por	l entered	the water	r b	ody as it	
L	REPORTED TO SPILL LINE BY Randy Schwandt	POSITION Env. Coordin	ator	EMPLOY AEM					CATION CALLII	NG FROM		LEPHONE 19-759-3555
M	ANY ALTERNATE CONTACT Eric Giroux	POSITION Env. Gen. Su	pervisor	EMPLOY AEM				1	TERNATE CON leliadine CATION	TACT		18-559-2861
			REPORT LIN	E USE O	NLY							
N	RECEIVED AT SPILL LINE BY	POSITION		EMPLOY	'ER			LO	CATION CALLE	D	RE	PORT LINE NUMBER
11		STATION OPERATOR						YEI	LLOWKNIFE, N	Т	(86	7) 920-8130
LEAD	AGENCY DEC DCCG DG	NWT □ GN □ ILA □ INA	C □ NEB □ TC	SIGN	NIFICAN	ICE MI	NOR 🗆 MA	AJOR	R 🗆 UNKNOWI	FILE STA	ATUS	□ OPEN □ CLOSED
AGE	NCY	CONTACT NAME		CON	ITACT T	IME			REMARKS			
LEAD AGENCY												
FIRS	T SUPPORT AGENCY											
SEC	OND SUPPORT AGENCY											
THIR	D SUPPORT AGENCY											

Follow Up Report: #2022065 March 5, 2022, 10L Diesel Fuel on Water Body A8 – Drill Rig#10



The following information refers to a spill reported by Agnico Eagle Mines Ltd. on March 5, 2022, and is being provided in accordance with:

- the Nunavut Water Board License 2BB-MEL1424 Water License, part H, item 4c
- the Fisheries Act subsection 38(7)

Description of Incident:

On March 5th, at approximately 9:00, Environment Technicians were conducting an inspection of the surface drill areas, operated by AEM's contractor Orbit Garant. During the inspection, a small amount of diesel fuel was observed by a 4000L overpack. The overpack released 10 L of diesel fuel on the surface of the lake ice. The coordinates of the spill are: 63° 0′ 33" N, 92°12' 9"W, on the Water body A8, which is a lake. After further investigation it was determined that the spill occurred due to a combination of fuel expansion in the overpack due to drastic temperature changes and movement of the overpack itself. When the overpack was being moved, fuel was released out of the breather and contaminated snow located on the overpack. The snow then fell on the surface of the lake ice.



Figure 1: Incident Location- A8 Lake

Spill Response & Cleanup:

Environment technicians notified the Orbit Garant supervisor and the overpack was moved forward to allow a loader to remove contaminated material. The cleanup was then finalized following the movement of the overpack. The Environment Department was present during this time to ensure environmental compliance with clean up methods as per section 6.4 of Spill Contingency Plan (spills on snow and ice).

The contaminated ice and snow were disposed at the Snow Cell where it will be stored until snowmelt, at which point the contaminated water will be transferred for treatment at the oil-water separator, as per the Water Management Plan.

A composite sample was collected on the ice surface of Lake A8 on March 9th in the incident area. The ice sample was sent to an accredited laboratory for analysis of the following parameters: BTEX, F1-F4 Hydrocarbons, Oil & Grease, total metals, Conductivity, pH, and Total Suspended Solids (TSS).

Results showed concentrations below detection limit for BTEX and F1-F4 Hydrocarbons and total Oil & Grease. For reference, the maximum concentration of any grab sample applicable to Effluent discharge in Meliadine Lake at monitoring station MEL-7 is of 5 mg/L for Oil & Grease and no visible sheen, as per Water Licence 2BB-MEL1424 Part D Item 11. The certificate of analysis is attached and identified as Appendix A.

Impact Assessment:

Although the spill occurred on the lake ice, it is expected that minimal impacts occurred to the water body itself because all the contaminated ice was removed, as demonstrated by the quality of the post clean-up surface sample and because the contaminated material was not near a drill hole.

Corrective Measures:

As an immediate corrective action, overpacks will be given extra headspace to allow for expansion to occur. This has been communicated with fuel truck operators and supervisors have been asked to put a note on employee's health and safety work cards as a reminder.





NT-NU SPILL REPORT

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NT-NU 24-HOUR SPILL REPORT LINE

TEL: (867) 920-8130 FAX: (867) 873-6924 EMAIL: spills@gov.nt.ca

Α	REPORT DATE: MONTH – DAY 03-06-2022	– YEAR		REPORT TIME 11:40	X OF	ORIGINAL SPILL REPORT,	REPORT NUMBER					
В	OCCURRENCE DATE: MONTH	– DAY – YEAR		16:00		UPDATE # THE ORIGINAL SPILL REPORT						
С	KVPL11D01	(IF APPLICABLE)		WATER LICEN 2AM-MI	ICE NUMBER (IF	APPLICABLE)						
D	GEOGRAPHIC PLACE NAME OF Meliadine Gold P		ON FROM NAMED LO	□ NWT	XNUNAVUT	☐ ADJACENT JURISDICTION	OR OCEAN					
Е	LATITUDE DEGREES 63	MINUTES 2	SECONDS 21	DEGITEEO	92		ECONDS 41					
F	RESPONSIBLE PARTY OR VES			RTY ADDRESS OR OF Rankin Inlet								
G	ANY CONTRACTOR INVOLVED N/A)	CONTRACTOR AD	RACTOR ADDRESS OR OFFICE LOCATION								
	PRODUCT SPILLED Thickener Water		QUANTITY IN LITE 45m3	RES, KILOGRAMS OR	CUBIC METRES	U.N. NUMBER						
Η	SECOND PRODUCT SPILLED N/A	(IF APPLICABLE)	QUANTITY IN LITE	RES, KILOGRAMS OR	CUBIC METRES	U.N. NUMBER N/A						
I	SPILL SOURCE Process Plant		SPILL CAUSE Overflow			AREA OF CONTAMINATION IN 2000	SQUARE METRES					
J	FACTORS AFFECTING SPILL (OR RECOVERY	DESCRIBE ANY A None	SSISTANCE REQUIRE	D	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT None						
K	No water bodies	y collected and pu were impacted wi H, Section 4c of t ompleted. 63 2'13'N 92 13'3	it back into into into into into the the closes The Water Lices The Water Lices	mill for dispo	sal. [,] (G2 lake) w-up repo	erm contained the sapproximately 600	m away.					
L	REPORTED TO SPILL LINE BY Randy Schwandt			MPLOYER AEM			ELEPHONE 819-759-3555					
M	ANY ALTERNATE CONTACT Eric Giroux	POSITION Env. Superin		MPLOYER AEM			LTERNATE TELEPHONE 418-559-2861					
	ı	l	REPORT LINE	USE ONLY	1							
Ν	RECEIVED AT SPILL LINE BY	POSITION	E	MPLOYER			REPORT LINE NUMBER					
	AOENOV 5 50 5000 50	STATION OPERATOR	O DAISE DE	CIONIFICANOE G								
			SIGNIFICANCE MINOR MAJOR									
	AGENCY CONTACT NAME			CONTACT TIME		REMARKS	367) 920-8130 JS □ OPEN □ CLOSED					
FIRST SUPPORT AGENCY				CONTACT TIME		REMARKS	,					
FIRS	D AGENCY			CONTACT TIME		REMARKS	,					
	D AGENCY			CONTACT TIME		REMARKS	,					



Follow Up Report: #2022067 March 6th, 2022 – Thickener Process Water Spill

The following information relates to spill 2022067 reported by Agnico Eagle Mines Ltd. On March 6th, 2022, and is being provided in accordance with:

• the Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c.

Description of Incident

On March 6th, 2022, there was an overflow of approximately 45 m³ of thickener process water on the industrial pad, outside the process plant.

The coordinates of this spill are 63 2'13'N, 92 13'37"W. No water bodies were impacted by this spill; the closest water body (G2) is approximately 600 m northwest.



Figure 1: Location of the March 6th, 2022, thickener process water spill.



Figure 2: Thickener process water spill clean up

Spill Response & Cleanup

A temporary berm was built to contain the spill and minimize the impacted area. An excavator, loader and haul truck were used to clean up the spilled material. All material collected was placed in the process plant sump where it will be returned to the process plant system.

Cause of Incident and Corrective Measures

The investigation into the cause of the release identified ice build at the overflow discharge pipe. The ice buildup resulted in a blockage of the discharge causing the thickener tank to overflow.

It is important to note that the root cause of this spill was also the cause of a subsequent thickener water spill on March 11th (Spill #2022075). Thus, the corrective measures discussed in this section will be similarly included in the associated follow-up report to be issued in the coming week. The following corrective measures are being implemented:

- Visually inspecting the top of the grinding thickener/clarifier feedbox every 2 hours and clearing snow if safe (ongoing).
- Ensuring there is adequate water flow from the clarifier feedbox to the grinding thickener by removing some baffle on the clarifier feedbox (completed).
- Preventatively cleaning the grinding thickener overflow launder to regain a full capacity.
- Installing air vent system on the grinding thickener overflow pipe to the process water tank.
- Pouring a concrete secondary containment.
- Installing an additional thickener tank which will split the flow going into the grinding thickener.



Randy Schwandt | Environment Coordinator randy.schwandt@agnicoeagle.com | Direct 819.759.3555 x4603996 | Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0

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REPORT DATE: MONTH – DAY – YEAR

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

REPORT TIME

NT-NU 24-HOUR SPILL REPORT LINE

TEL: (867) 920-8130 FAX: (867) 873-6924 EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

LATITUDE LONGITUDE	
C KVPL11D01 D GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION Meliadine Gold Project E LATITUDE DEGREES 63 MINUTES 2 SECONDS 21 RESPONSIBLE PARTY OR VESSEL NAME PRESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION 2AM-MEL1631 REGION D NWT XNUNAVUT DADJACENT JURISDICTION LONGITUDE DEGREES 92 MINUTES 13	
Meliadine Gold Project NWT XNUNAVUT ADJACENT JURISDICTION	
E DEGREES 63 MINUTES 2 SECONDS 21 DEGREES 92 MINUTES 13 SECONDS BLE PARTY OR VESSEL NAME RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION	SECONDS 41
G ANY CONTRACTOR INVOLVED CONTRACTOR ADDRESS OR OFFICE LOCATION N/A	
PRODUCT SPILLED Greywater QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES U.N. NUMBER N/A	
H SECOND PRODUCT SPILLED (IF APPLICABLE) QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES N/A	
SPILL SOURCE SPILL CAUSE AREA OF CONTAMINATION IN 10 10 10 10 10 10 10 10 10 10 10 10 10	N SQUARE METRES
J FACTORS AFFECTING SPILL OR RECOVERY DESCRIBE ANY ASSISTANCE REQUIRED HAZARDS TO PERSONS, PRO None None	OPERTY OR EQUIPMENT
2m3 of greywater on the ground. Site service maintenance team inspected the area imm stopped the spill. No water bodies were impacted with the closest water body (G2 lake) approximately 300 Pursuant to Part H, Section 4c of the Water License, a follow-up report will be issued affinvestigation is completed. Location of spill: 63 2'25'N 92 13'36"W Contact information: Matt Gillman 819-759-3555 extension 4603212	ົງm away.
L REPORTED TO SPILL LINE BY Randy Schwandt Env. Coordinator EMPLOYER AEM LOCATION CALLING FROM Meliadine	TELEPHONE 819-759-3555
M ANY ALTERNATE CONTACT POSITION EMPLOYER ALTERNATE CONTACT Meliadine LOCATION	ALTERNATE TELEPHONE 418.559.2861
REPORT LINE USE ONLY	
N RECEIVED AT SPILL LINE BY POSITION EMPLOYER LOCATION CALLED	REPORT LINE NUMBER
STATION OPERATOR YELLOWKNIFE, NT	(867) 920-8130 FUS □ OPEN □ CLOSED
AGENCY CONTACT NAME CONTACT TIME REMARKS	
LEAD AGENCY	
FIRST SUPPORT AGENCY	
SECOND SUPPORT AGENCY	
THIRD SUPPORT AGENCY	

Follow Up Report: #2022073 March 9, 2022, 2000L Kitchen Grey Water



The following information refers to a spill reported by Agnico Eagle Mines Limited on March 9, 2022, and is being provided in accordance with:

the Nunavut Water Board Licence 2AM-MEL1631 Water Licence, Part H, item 8c.

Description of Incident:

On March 9th, 2022, at approximately 15:00 an employee walking around the main camp kitchen discovered a spill of approximately 2000L of grey water underneath the kitchen.

The coordinates of the spill are 63° 2'25"N, 92° 13'36"W. No water bodies were impacted by this spill. The closest water body (G2) is approximately 300 m north.



Figure 1: Location of the March 9th, 2022, grey water spill

Spill Response & Cleanup:

Water supply from the kitchen was cut off as soon as the spill was noticed. The topography of the area and the freezing conditions prevented the grey water from migrating off-site.

Accessible spilled material was cleaned up however health and safety considerations limited equipment and personnel access (the space is confined due to the accumulation of snow) to the spill location. Additional cleanup of the area will be completed during the spring/summer months. The first layer of gravel will be scrapped.

Astro foil was installed as a temporary fix around the pipe on March 9th, 2022 until the rigid pipe insultation could be in installed. The plumbing installation of the rigid pipe installation started on March 9th, 2022 and finished on March 11th, 2022.



Figure 2: Spill clean-up area

Cause of Incident and Corrective Measures:

It was determined that the difference in temperature between the warm grey water and the cold PVC plumbing caused the plumbing to expand and crack.

The repair on the grey water pipe started immediately on March 9th, 2022 and finished on March 11th, 2022.

To further mitigate the chance of similar incidents reoccurring, skirting will be installed around the kitchen building which will reduce the amount of wind blowing under the building and promote heat circulation, keeping drainage plumbing at a warmer and more stable temperature.





REPORT DATE: MONTH - DAY - YEAR

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

REPORT TIME

NT-NU 24-HOUR SPILL REPORT LINE

TEL: (867) 920-8130 FAX: (867) 873-6924 EMAIL: spills@gov.nt.ca

Α	03-11-2022	- ILAN	17:	00	XORIGINAL SPILL REF	PORT, REPORT NUMBER
В	OCCURRENCE DATE: MONTH	I – DAY – YEAR	occu 21:	RRENCE TIME	☐ UPDATE # TO THE ORIGINAL SPIL	L REPORT
С	LAND USE PERMIT NUMBER KVPL11D01	(IF APPLICABLE)		WATER LICENCE NU 2AM-MEL16	MBER (IF APPLICABLE)	
D	GEOGRAPHIC PLACE NAME (Meliadine Gold P	OR DISTANCE AND DIRECTION roject	FROM NAMED LOCATION		JNAVUT □ ADJACENT JUF	RISDICTION OR OCEAN
Е	DEGREES 63		SECONDS 21	LONGITUDE DEGREES 92	MINUTES 13	seconds 41
F	RESPONSIBLE PARTY OR VE Agnico Eagle Mir			ankin Inlet, Nu	ocation navut, X0C 0G0	
G	ANY CONTRACTOR INVOLVED N/A	D	CONTRACTOR ADDRE	SS OR OFFICE LOCATION	DN	
	PRODUCT SPILLED Thickener Water		QUANTITY IN LITRES, 10m3	KILOGRAMS OR CUBIC	U.N. NUMBER N/A	
Н	SECOND PRODUCT SPILLED N/A	(IF APPLICABLE)	QUANTITY IN LITRES, N/A	KILOGRAMS OR CUBIC	U.N. NUMBER N/A	
I	SPILL SOURCE Process Plant		SPILL CAUSE Overflow		AREA OF CONTAM	MINATION IN SQUARE METRES
J	FACTORS AFFECTING SPILL (OR RECOVERY	None	TANCE REQUIRED	HAZARDS TO PER:	SONS, PROPERTY OR EQUIPMENT
K	Pursuant to Part investigation is c Location of spill:	were impacted wit H, Section 8c of th ompleted. 63 2'11.5'N 92 13' ion: Sara Savoie 8	e Water Licen 35.3"W	se, a follow-up	report will be issu	
L	REPORTED TO SPILL LINE BY Randy Schwandt		ator AE		LOCATION CALLING FR Meliadine	ROM TELEPHONE 819-759-3555
М	ANY ALTERNATE CONTACT Eric Giroux	POSITION Env. Superint	endent AE		ALTERNATE CONTACT Meliadine LOCATION	ALTERNATE TELEPHONE 418-559-2861
		1	REPORT LINE USE	ONLY	1	,
N	RECEIVED AT SPILL LINE BY		EMPL	OYER	LOCATION CALLED	REPORT LINE NUMBER
	AGENCY DEC DCCG D	STATION OPERATOR GNWT GN LA INAC	□ NEB □TC SI	GNIFICANCE □ MINOR	YELLOWKNIFE, NT □ MAJOR □ UNKNOWN	(867) 920-8130 FILE STATUS □ OPEN □ CLOSED
AGEI	NCY	CONTACT NAME	Co	ONTACT TIME	REMARKS	
) AGENCY					
FIRS	T SUPPORT AGENCY					
SEC	OND SUPPORT AGENCY					
THIR	D SUPPORT AGENCY					



Follow Up Report: #2022076 March 10th, 2022 – Thickener Process Water Spill

The following information relates to spill 2022076 reported by Agnico Eagle Mines Limited on March 11^h, 2022, and is being provided in accordance with:

• the Nunavut Water Board License 2AM-MEL1631 Water Licence, part H, item 8c.

Description of Incident

On March 10th, 2022, there was an overflow of approximately 10 m³ of thickener process water on the industrial pad, outside the process plant.

The coordinates of this spill are 63 2'11.5'N, 92 13'35.3"W. No water bodies were impacted by this spill; the closest water body (G2) is approximately 600 m northwest.



Figure 1: Location of the March 10th, 2022, thickener process water spill.



Figure 2: Thickener process water spill clean up

Spill Response & Cleanup

To immediately stop the spill; the thickener process water was directed to the carbon in leach (CIL) tanks. The filter presses were then stopped to reduce any additional water going to the feed wheel of the grinding thickener, ending the overflow.

The topography of the area and the freezing conditions caused the thickener process water to pool and freeze on the west side of process road. A loader and haul truck were used to clean up the material. All material collected was placed in the process plants sump where it will be returned to the process plant system.

Cause of Incident and Corrective Measures

The investigation into the cause of the release identified a high-water level occurrence in the thickener tank which entrained ice down the thickener tank. Additionally, it is suspected there was vacuum effect on the suction of the pipe from the thickener launder to the process water tank due to the failing ice.

This led to a back flow build-up in the pipes, as the upstream clarifier feed box and slurry flow from thickener recirculation were still active. As the thickener process water filled the tank, an overflow of approximately 10m³ occurred.

As there were two other thickener process water spills in March 2022 the corrective measures discussed in this section will be similar to those included in the March 6th (#2022067) and March 11th (#2022075) 2022 thickener process water spill follow-up reports.

The following corrective measures are being implemented:

- Visually inspecting the top of the grinding thickener/clarifier feedbox every 2 hours and clearing snow if safe (ongoing).
- Ensuring there is adequate water flow from the clarifier feedbox to the grinding thickener by removing some baffle on the clarifier feedbox (completed).
- Preventatively cleaning the grinding thickener overflow launder to regain a full capacity.
- Installing an air vent system on the grinding thickener overflow pipe to the process water tank.
- Pouring a concrete secondary containment.
- Installing an additional thickener tank which will split the flow going into the grinding thickener.



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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

Α	REPORT DATE: MONTH – DAY 03-11-2022	′–YEAR		REPORT TIM 18:00	ME	XORIGINAL SPILL REPORTOR	REPORT NUMBER				
В	OCCURRENCE DATE: MONTH	I – DAY – YEAR		CCURREN 8:30	ICE TIME	☐ UPDATE # TO THE ORIGINAL SPILL RE					
С	LAND USE PERMIT NUMBER KVPL11D01	(IF APPLICABLE)			ATER LICENCE NUMBER AM-MEL1631	(IF APPLICABLE)	_				
D	GEOGRAPHIC PLACE NAME (Meliadine Gold P		TION FROM NAMED LO	CATION	REGION NWT XNUNAVU	IT □ ADJACENT JURISD	ICTION OR OCEAN				
Ε	LATITUDE DEGREES 63	MINUTES 2	SECONDS 21	-	DNGITUDE EGREES 92	MINUTES 13	SECONDS 41				
F	RESPONSIBLE PARTY OR VE Agnico Eagle Mir			PARTY ADDRESS OR OFFICE LOCATION e, Rankin Inlet, Nunavut, X0C 0G0							
G	ANY CONTRACTOR INVOLVED N/A	D	N/A	ADDRESS OR OFFICE LOCATION							
Н	PRODUCT SPILLED Thickener Water		QUANTITY IN LITE 5m3	RES, KILOG	GRAMS OR CUBIC METRI	U.N. NUMBER					
11	SECOND PRODUCT SPILLED N/A	(IF APPLICABLE)	QUANTITY IN LITE	RES, KILOG	GRAMS OR CUBIC METRI	N/A					
I	Process Plant		SPILL CAUSE Overflow			AREA OF CONTAMINAT	TION IN SQUARE METRES				
J	FACTORS AFFECTING SPILL (OR RECOVERY	None	SSISTANCI	E REQUIRED	None	S, PROPERTY OR EQUIPMENT				
K	that fell from the top of the thickener tank which lead to a back flow build-up as the upstream process (Clarifier Feed Box) was still sending water to the thickener. The Grinding Thickener collection launder over flowed and released process water to the ground outside of process plant. No water bodies were impacted with the closest water body (G2 lake) approximately 600 m away. Pursuant to Part H, Section 8c of the Water License, a follow-up report will be issued after a closer investigation is completed. Location of spill: 63 2'11.5'N 92 13'35.3"W Contact information: Sara Savoie 819-759-3555 extension 4603212										
L	REPORTED TO SPILL LINE BY Randy Schwandt			MPLOYER AEM		LOCATION CALLING FROM Meliadine	TELEPHONE 819-759-3555				
M	ANY ALTERNATE CONTACT Eric Giroux	POSITION Env. Superi		MPLOYER AEM		ALTERNATE CONTACT Meliadine LOCATION	ALTERNATE TELEPHONE 418-559-2861				
			REPORT LINE	USE ONLY	Υ						
Ν	RECEIVED AT SPILL LINE BY			MPLOYER		LOCATION CALLED	REPORT LINE NUMBER				
	<u> </u>	STATION OPERATOR	I			YELLOWKNIFE, NT	(867) 920-8130				
	AGENCY DEC DCCG DC		IAC □ NEB □ TC		CANCE MINOR MA		E STATUS OPEN CLOSED				
AGE		CONTACT NAME		CONTAC	OT TIME	REMARKS					
	T SUPPORT AGENCY										
	OND SUPPORT AGENCY										



Follow Up Report: #2022075 March 11th, 2022 – Thickener Process Water Spill

The following information relates to spill 2022075 reported by Agnico Eagle Mines Limited on March 11th, 2022, and is being provided in accordance with:

• the Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c.

Description of Incident

On March 11th, 2022, there was an overflow of approximately 5 m³ of thickener process water on the industrial pad, outside the process plant.

The coordinates of this spill are 63 2'11.5'N, 92 13'35.3"W. No water bodies were impacted by this spill; the closest water body (G2) is approximately 600 m northwest.



Figure 1: Location of the March 6th, 2022, thickener process water spill.



Figure 2: Thickener process water spill clean up area

Spill Response & Cleanup

The topography of the area and the freezing conditions caused the thickener process water to pool and freeze on the west side of process road. A loader and haul truck were used to clean up the material. All material collected was placed in the process plants sump where it will be returned to the process plant system. Additionally, the overhead walkway on the top of the thickener tank was cleared of ice.



Figure 3: Pre-clean up of the overhead ice on the thickener tank (caused by humidity)



Figure 4: Post-clean up of the overhead ice on the thickener tank

Cause of Incident and Corrective Measures

The investigation into the cause of the release identified ice build at the overflow discharge pipe. The ice buildup resulted in a blockage of the discharge causing the thickener tank to overflow. The following corrective measures are being implemented:

- Visually inspecting the top of the grinding thickener/clarifier feedbox every 2 hours and clearing snow if safe (See figure 3 and 4).
- Ensuring there is adequate water flow from the clarifier feedbox to the grinding thickener by removing some baffle on the clarifier feedbox (completed).
- Preventatively cleaning the grinding thickener overflow launder to regain a full capacity.
- Installing air vent system on the grinding thickener overflow pipe to the process water tank.
- Pouring a concrete secondary containment.
- Installing an additional thickener tank which will split the flow going into the grinding thickener.



Randy Schwandt | Environment Coordinator randy.schwandt@agnicoeagle.com | Direct 819.759.3555 x4603996 | Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0

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REPORT DATE: MONTH - DAY - YEAR

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

REPORT TIME

NT-NU 24-HOUR SPILL REPORT LINE

▼ORIGINAL SPILL REPORT,

TEL: (867) 920-8130 FAX: (867) 873-6924 EMAIL: spills@gov.nt.ca

A	03-18-2022			15:15		▼ORIGINAL SPILL REF	PORT,	REPORT NUMBER			
В	OCCURRENCE DATE: MONTH 03-17-2022	– DAY – YEAR		16:15	NCE TIME	☐ UPDATE # TO THE ORIGINAL SPIL	L REPORT	-			
С	LAND USE PERMIT NUMBER ((IF APPLICABLE)	·		VATER LICENCE NUMBER 2BB-MEL1424	(IF APPLICABLE)					
D	Meliadine Gold P	OR DISTANCE AND DIRECTION POPERTY	FROM NAMED LO	CATION	REGION □ NWT MUNAVUT □ ADJACENT JURISDICTION OR OCEAN						
F	LATITUDE DEGREES 63	MINUTES 2	SECONDS 21		ONGITUDE DEGREES 92	MINUTES 13		conds 41			
	DEGREES 63 RESPONSIBLE PARTY OR VER Agnico Eagle Mir	SSEL NAME	RESPONSIBLE PA	ARTY ADD	negrees 92 RESS OR OFFICE LOCATI K in Inlet, Nunav i	ION	SEC	CONDS -1			
G	ANY CONTRACTOR INVOLVED Orbit Garant)	CONTRACTOR ADDRESS OR OFFICE LOCATION Val d'Or, Quebec								
	PRODUCT SPILLED Drill Cuttings		QUANTITY IN LIT	RES, KILO	GRAMS OR CUBIC METRI	U.N. NUMBER N/A					
H	SECOND PRODUCT SPILLED N/A	(IF APPLICABLE)	QUANTITY IN LIT	RES, KILO	GRAMS OR CUBIC METRI	U.N. NUMBER N/A					
I	SPILL SOURCE Settling Tank		SPILL CAUSE Unknown			AREA OF CONTAIN	IINATION IN S	QUARE METRES			
J	FACTORS AFFECTING SPILL ON N/A	OR RECOVERY	N/A	ASSISTANO	CE REQUIRED	HAZARDS TO PER N/A	SONS, PROP	ERTY OR EQUIPMENT			
K	immediately responded with hand shovels to clean up the cuttings. No cuttings entered the water body as they were contained on the surface of the ice cover. Pursuant to Part H, Section 4c of the Water License, a follow-up report will be issued after a closer investigation is completed. Location of spill: 63 0'46"N 92 12'26"W Contact information: Matt Gillman 819-759-3555 extension 4603212										
L	REPORTED TO SPILL LINE BY Matt Gillman	Water Gen. Su		EMPLOYER AEM	3	LOCATION CALLING FF		ELEPHONE 319-759-3555			
M	ANY ALTERNATE CONTACT Eric Giroux	Env. Superint		AEM	3	ALTERNATE CONTACT Meliadine LOCATION		TERNATE TELEPHONE 118-599-2861			
			REPORT LINE								
Ν	RECEIVED AT SPILL LINE BY	POSITION STATION OPERATOR		EMPLOYE	3	LOCATION CALLED		EPORT LINE NUMBER 67) 920-8130			
LEAD	AGENCY DEC DCCG DC	GNWT GN GILA INAC	□ NEB □ TC	SIGNIF	ICANCE □ MINOR □ MA	YELLOWKNIFE, NT JOR □ UNKNOWN		S OPEN CLOSED			
AGEN	NCY	CONTACT NAME		CONTA	CTTIME	REMARKS					
LEAD	AGENCY										
FIRS	T SUPPORT AGENCY										
SECC	OND SUPPORT AGENCY										
THIR	D SUPPORT AGENCY										

Follow Up Report: #2022084 March 18, 2022,



15L Drill Cuttings on Water Body A8 - Drill Rig#3

The following information relates to spill #2022084 reported by Agnico Eagle Mines Limited on March 18th, 2022, and is being provided in accordance with:

- the Nunavut Water Board License 2BB-MEL1424 Water Licence, part H, item 4c
- the Fisheries Act subsection 38(7)

Description of Incident:

On March 18th, 2022, at approximately 16:15, an environment technician was conducting an inspection of the surface drill areas, operated by AEM's contractor Orbit Garant on waterbody A8. During the inspection, drill cuttings were observed near the drill cuttings vacuum pump at drill rig 3.

On the initial spill report sent, the quantity reported under section H, indicated 50 L, however after further investigation it was determined that the quantity of material spilled was of approximately 15 L as communicated to CIRNAC on April 11th and April 12th 2022.

The coordinates of the spill are: 63° 0′ 46" N, 92°12′ 26"W, which is on waterbody A8.



Figure 1: Incident Location

Spill Response & Cleanup:

The operator of the drill cutting vacuum pump was notified that an outlet valve was open and was releasing drill cuttings on the surface of waterbody A8.

The outlet valve was closed immediately, eliminating the source of the spill. Orbit Garant employees promptly started the spill cleanup. The contaminated ice and snow were disposed at the contaminated snow cell where it will be stored until snowmelt, at which point the contaminated water will be transferred to the Landfarm for treatment, with other existing material accumulated during winter and discharged to Containment Pond 1 (CP1) as per the Water Management Plan and the Landfarm Management Plan.



Figure 2: Spill Location-Post-clean up

Cause of Incident and Corrective Measures

The cause of the release was identified as human error as an outlet valve was not in the closed position. To prevent a similar situation from occurring Orbit Garant is developing a Drill Cutting Vacuum Pump Operations Procedure to ensure proper operation of the drill cuttings vacuum pump. Additionally, it is now mandatory to use a spill containment under the outlet valves during drill cutting vacuuming operations. A spill containment is also available with the drill cutting vacuum pump for use in case spill containments are not available at the drill site.



Figure 3: Secondary containment is now available with the drill cutting vacuum pump



Brett Fairbairn | Environment Coordinator brett.fairbairn@agnicoeagle.com | Direct 819.759.3555 x4603996 | Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0

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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

Α	REPORT DATE: MONTH – DAY 03-21-2022	′-YEAR	REPORT TIME 9:45				XORIGINAL SPILL	REPORT,	DEDORT NUMBER		
	OCCURRENCE DATE: MONTH	I – DAY – YFAR			NCE TIME		OR □ UPDATE #		REPORT NUMBER		
В	03-20-2022			10:30			TO THE ORIGINAL	SPILL REPORT	-		
С	KVPL11D01	(IF APPLICABLE)			WATER LICENC 2BB-MEL		(IF APPLICABLE)				
D	GEOGRAPHIC PLACE NAME OF Meliadine Gold P		N FROM NAMED LO	CATION	REGION						
	LATITUDE	Toject		Ti	ONGITUDE	X NUNAVU	T	JURISDICTION	OR OCEAN		
Ε	DEGREES 63	MINUTES 2	SECONDS 21		DEGREES 9	2	MINUTES	13 SE	conds 41		
F	RESPONSIBLE PARTY OR VER			e PARTY ADDRESS OR OFFICE LOCATION ne, Rankin Inlet, Nunavut, X0C 0G0							
G	ANY CONTRACTOR INVOLVED		CONTRACTOR AL	ADDRESS OR OFFICE LOCATION							
u	Orbit Garant PRODUCT SPILLED		Val d'Or, (IDIO METDE	ES U.N. NUMBER				
ы	Diesel fuel		10 L	HES, KILO	GRAMS OR CO	IBIC METRE	N/A				
Η	SECOND PRODUCT SPILLED N/A	(IF APPLICABLE)	QUANTITY IN LITE	RES, KILO	GRAMS OR CU	IBIC METRE	U.N. NUMBER				
	SPILL SOURCE		SPILL CAUSE				AREA OF CON	ITAMINATION IN	SQUARE METRES		
ı	Refueling hose			To be determined DESCRIBE ANY ASSISTANCE REQUIRED				HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT			
J	N/A	OR RECOVERY	N/A	45515 IAN(JE REQUIRED		N/A	PERSONS, PROI	PERTY OR EQUIPMENT		
K	worker identified was immediately as it was contained. Pursuant to Part investigation is c Location of spill: Contact informati Matt Gillman 819-	shut down and cled on the surface H, Section 4c of too of too of the completed. 63 0'41"N 92 12" ion: Brett Fairbair	leanup of the of the ice con he Water Lice 20"W n 819-759-3	e spill over. cense, 555 e)	was initi	ated. N -up rep	lo diesel en oort will be i	tered the	water body		
L	REPORTED TO SPILL LINE BY Brett Fairbairn	POSITION Env. Coordin		EMPLOYEI AEM	R		LOCATION CALLIN		ELEPHONE 819-759-3555		
M	ANY ALTERNATE CONTACT Matt Gillman	POSITION Env. Gen. Su	E	ALW EMPLOYER AEM	R		ALTERNATE CONTA	ACT A	LTERNATE TELEPHONE 819-759-3555		
			REPORT LINE		LY		LOCATION				
N	RECEIVED AT SPILL LINE BY	POSITION	E	EMPLOYE	R		LOCATION CALLED) F	EPORT LINE NUMBER		
IN.		STATION OPERATOR					YELLOWKNIFE, NT	(8	867) 920-8130		
LEA	DAGENCY DEC DCCG DC	GNWT □ GN □ ILA □ INA	C □ NEB □ TC	SIGNIF	FICANCE MIN	NOR 🗆 MA	JOR UNKNOWN	FILE STATU	S □ OPEN □ CLOSED		
AGE	NCY	CONTACT NAME		CONTA	ACT TIME		REMARKS				
LEA	D AGENCY										
FIRS	T SUPPORT AGENCY										
SEC	OND SUPPORT AGENCY		SECOND SUPPORT AGENCY								

Follow Up Report: #2022089 March 20, 2022, 10L Diesel Fuel on Water Body A8 – Rig SH-102



Tota Dieser i der om Water Body No - Nig 511-102

The following information refers to a spill reported by Agnico Eagle Mines Limited on March 20th, 2022, and is being provided in accordance with:

- the Nunavut Water Board License 2BB-MEL1424 Water License, part H, item 4c
- the Fisheries Act subsection 38(7)

Description of Incident:

On March 20th, 2022, at approximately 10:30, the Environment Department was conducting an inspection of the surface drill areas, operated by AEM's contractor Orbit Garant. During the inspection 10 L of diesel fuel was observed underneath the heating sea can at borehole M-22-3401 on the surface of the lake ice.

The coordinates of the spill are: 63 0'41.95"N 92 12'20.84"W, which is on waterbody A8.



Figure 1: Incident Location

Spill Response & Cleanup:

The drill was stopped and moved to allow a loader to remove the remaining contaminated material. The Environment Department was present during this time to ensure environmental compliance with cleanup methods as per the Spill Contingency Plan.

The contaminated ice and snow were disposed at the Snow Cell where it will be stored until snowmelt, at which point the contaminated water will be transferred for treatment at the oil-water separator and discharged to Containment Pond as per the Water Management Plan and the Landfarm Management Plan.

It is expected that minimal impacts occurred to the waterbody as the spill occurred on the lake ice, facilitating the recovery of the contaminated material – the contaminated ice was scrapped off.

A composite sample was collected on the ice surface of waterbody A8 on March 23rd, 2022, in the incident vicinity and was analyzed for the following parameters: BTEX, F1-F4 Hydrocarbons, Oil & Grease, total metals, Conductivity, pH, and Total Suspended Solids (TSS). The certificate of analysis is attached and identified as Appendix A; results showed concentrations below all Licence criteria for effluent release.



Figure 3: Spill location after drill removal and completion of cleanup

Cause of Incident and Corrective Measures:

The cause of the spill was identified to be human error as it is suspected the fuel hose was dropped during refueling operations at the heated sea can.

As soon as the spill was noticed by the Environment Department all drills working on waterbodies were immediately shut down and a toolbox meeting initiated with the drill crews. The meeting reviewed spill reporting requirements, spill prevention measures and the importance of inspecting the drills for leaks and spills. During the toolbox meeting significant emphasis was placed on ensuring spill containments are in place during fuel transfer operations, the drill foreman reinforced this message with all the drill crews.

Preventive inspections continue to be completed by the Environment Department, Geology Department and the drill crews to identify potential concerns.



Brett Fairbairn | Environment Coordinator brett.fairbairn@agnicoeagle.com | Direct 819.759.3555 x4603996 | Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0

Appendix A – Analytical Results



Your P.O. #: OL-1129375 Site Location: MELIADINE

Your C.O.C. #: n/a

Attention: Reporting

Agnico-Eagle Meliadine Meliadine Mine Rankin Inlet, NU CANADA XOC 0G0

Report Date: 2022/04/01

Report #: R7068642 Version: 1 - Partial

CERTIFICATE OF ANALYSIS – PARTIAL RESULTS

BUREAU VERITAS JOB #: C284254
Received: 2022/03/30, 15:11

Sample Matrix: Surface Water # Samples Received: 1

2			Date	Date		
-	Analyses	Quantity	Extracted	Analyzed	Laboratory Method	Analytical Method
W	Conductivity (1)	1	N/A	2022/03/31	CAM SOP-00414	SM 23 2510 m
	Petroleum Hydro. CCME F1 & BTEX in Water (1)	1	N/A	2022/03/31	CAM SOP-00315	CCME PHC-CWS m
	Petroleum Hydrocarbons F2-F4 in Water (1, 2)	1	2022/03/31	2022/03/31	CAM SOP-00316	CCME PHC-CWS m
1	Total Oil and Grease (1)	1	2022/03/31	2022/03/31	CAM SOP-00326	EPA1664B m,SM5520B m
Ų	pH (1)	1	2022/03/31	2022/03/31	CAM SOP-00413	SM 4500H+ B m
١	Low Level Total Suspended Solids (1)	1	2022/03/31	2022/03/31	CAM SOP-00428	SM 23 2540D m

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, MELCC, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

- * RPDs calculated using raw data. The rounding of final results may result in the apparent difference.
- (1) This test was performed by Bureau Veritas Mississauga, 6740 Campobello Rd , Mississauga, ON, L5N 2L8
- (2) All CCME PHC results met required criteria unless otherwise stated in the report. The CWS PHC methods employed by Bureau Veritas conform to all prescribed elements of the reference method and performance based elements have been validated. All modifications have been validated and proven equivalent following "Alberta Environment's Interpretation of the Reference Method for the Canada-Wide Standard for Petroleum Hydrocarbons in Soil Validation of Performance-Based Alternative Methods September 2003". Documentation is available upon request. Modifications from Reference Method for the Canada-wide Standard for Petroleum Hydrocarbons in Soil-Tier 1 Method: F2/F3/F4 data reported using validated cold solvent extraction instead of Soxhlet extraction.



Your P.O. #: OL-1129375 Site Location: MELIADINE

Your C.O.C. #: n/a

Attention: Reporting

Agnico-Eagle
Meliadine
Meliadine Mine
Rankin Inlet, NU
CANADA XOC 0G0

Report Date: 2022/04/01

Report #: R7068642 Version: 1 - Partial

CERTIFICATE OF ANALYSIS – PARTIAL RESULTS

BUREAU VERITAS JOB #: C284254 Received: 2022/03/30, 15:11

Encryption Key

Katherine Szozda Project Manager 01 Apr 2022 12:56:03

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

Katherine Szozda, Project Manager

Email: Katherine.Szozda@bureauveritas.com

Phone# (613)274-0573 Ext:7063633

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.



Bureau Veritas Job #: C284254 Report Date: 2022/04/01

Agnico-Eagle

Site Location: MELIADINE Your P.O. #: OL-1129375 Sampler Initials: DM

RESULTS OF ANALYSES OF SURFACE WATER

Bureau Veritas ID		SFT399							
Compling Date		2022/03/23							
Sampling Date		10:00							
COC Number		n/a							
	UNITS	M-22-3401	RDL	QC Batch					
Inorganics									
Conductivity	umho/cm	930	1.0	7910834					
рН	рН	7.93		7910839					
Total Suspended Solids	mg/L	110	1	7914389					
Petroleum Hydrocarbons									
Total Oil & Grease	mg/L	0.80	0.50	7913777					
RDL = Reportable Detection	Limit								
QC Batch = Quality Control Batch									



Agnico-Eagle

Site Location: MELIADINE Your P.O. #: OL-1129375 Sampler Initials: DM

PETROLEUM HYDROCARBONS (CCME)

Bureau Veritas ID		SFT399		
Committee Date		2022/03/23		
Sampling Date		10:00		
COC Number		n/a		
	UNITS	M-22-3401	RDL	QC Batch
BTEX & F1 Hydrocarbons				
Benzene	ug/L	<0.20	0.20	7914203
Toluene	ug/L	<0.20	0.20	7914203
Ethylbenzene	ug/L	<0.20	0.20	7914203
o-Xylene	ug/L	<0.20	0.20	7914203
p+m-Xylene	ug/L	<0.40	0.40	7914203
Total Xylenes	ug/L	<0.40	0.40	7914203
F1 (C6-C10)	ug/L	<25	25	7914203
F1 (C6-C10) - BTEX	ug/L	<25	25	7914203
F2-F4 Hydrocarbons			-	
F2 (C10-C16 Hydrocarbons)	ug/L	240	100	7914202
F3 (C16-C34 Hydrocarbons)	ug/L	390	200	7914202
F4 (C34-C50 Hydrocarbons)	ug/L	<200	200	7914202
Reached Baseline at C50	ug/L	Yes		7914202
Surrogate Recovery (%)				
1,4-Difluorobenzene	%	111		7914203
4-Bromofluorobenzene	%	88		7914203
D10-o-Xylene	%	97		7914203
D4-1,2-Dichloroethane	%	107		7914203
o-Terphenyl	%	97		7914202
RDL = Reportable Detection I	imit			
QC Batch = Quality Control B	atch			



Agnico-Eagle

Site Location: MELIADINE Your P.O. #: OL-1129375 Sampler Initials: DM

GENERAL COMMENTS

Results relate only to the it	ems tested.
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Bureau Veritas Job #: C284254 Report Date: 2022/04/01 Agnico-Eagle

Site Location: MELIADINE Your P.O. #: OL-1129375 Sampler Initials: DM

QUALITY ASSURANCE REPORT

			QUALITI ASSUM					
QA/QC Batch	Init	QC Type	Darameter	Date Analyzed	Value	Posovory	UNITS	QC Limits
7910834	Init SAU	Spiked Blank	Parameter Conductivity	2022/03/31	value	Recovery 101	%	85 - 115
7910834	SAU	Method Blank	Conductivity	2022/03/31	<1.0	101	umho/cm	83 - 113
7910834	SAU	RPD	Conductivity	2022/03/31	0.68		%	25
7910834	SAU	Spiked Blank	pH	2022/03/31	0.08	102	%	98 - 103
7910839	SAU	RPD	pH	2022/03/31	1.0	102	%	N/A
7913777	MPZ	Spiked Blank	Total Oil & Grease	2022/03/31	1.0	100	%	85 - 115
7913777	MPZ	•	Total Oil & Grease	2022/03/31	1.5	100	%	25
7913777	MPZ		Total Oil & Grease	2022/03/31	<0.50		mg/L	23
7914202	JJE	Matrix Spike [SFT399-04]	o-Terphenyl	2022/03/31	10.50	104	%	60 - 130
752.252	332	matim opine [or 1000 o 1]	F2 (C10-C16 Hydrocarbons)	2022/03/31		110	%	60 - 130
			F3 (C16-C34 Hydrocarbons)	2022/03/31		109	%	60 - 130
			F4 (C34-C50 Hydrocarbons)	2022/03/31		107	%	60 - 130
7914202	JJE	Spiked Blank	o-Terphenyl	2022/03/31		100	%	60 - 130
			F2 (C10-C16 Hydrocarbons)	2022/03/31		107	%	60 - 130
			F3 (C16-C34 Hydrocarbons)	2022/03/31		107	%	60 - 130
			F4 (C34-C50 Hydrocarbons)	2022/03/31		105	%	60 - 130
7914202	JJE	RPD	F2 (C10-C16 Hydrocarbons)	2022/03/31	3.4		%	30
			F3 (C16-C34 Hydrocarbons)	2022/03/31	3.2		%	30
			F4 (C34-C50 Hydrocarbons)	2022/03/31	4.1		%	30
7914202	JJE	Method Blank	o-Terphenyl	2022/03/31		98	%	60 - 130
			F2 (C10-C16 Hydrocarbons)	2022/03/31	<100		ug/L	
			F3 (C16-C34 Hydrocarbons)	2022/03/31	<200		ug/L	
			F4 (C34-C50 Hydrocarbons)	2022/03/31	<200		ug/L	
7914203	RGA	Matrix Spike [SFT399-05]	1,4-Difluorobenzene	2022/03/31		100	%	70 - 130
			4-Bromofluorobenzene	2022/03/31		102	%	70 - 130
			D10-o-Xylene	2022/03/31		99	%	70 - 130
			D4-1,2-Dichloroethane	2022/03/31		97	%	70 - 130
			Benzene	2022/03/31		100	%	50 - 140
			Toluene	2022/03/31		103	%	50 - 140
			Ethylbenzene	2022/03/31		109	%	50 - 140
			o-Xylene	2022/03/31		106	%	50 - 140
			p+m-Xylene	2022/03/31		104	%	50 - 140
			F1 (C6-C10)	2022/03/31		93	%	60 - 140
7914203	RGA	Spiked Blank	1,4-Difluorobenzene	2022/03/31		102	%	70 - 130
			4-Bromofluorobenzene	2022/03/31		97	%	70 - 130
			D10-o-Xylene	2022/03/31		100	%	70 - 130
			D4-1,2-Dichloroethane	2022/03/31		94	%	70 - 130
			Benzene	2022/03/31		102	%	50 - 140
			Toluene	2022/03/31		105	%	50 - 140
			Ethylbenzene	2022/03/31		112	%	50 - 140
			o-Xylene	2022/03/31		109	%	50 - 140
			p+m-Xylene	2022/03/31		108	%	50 - 140
701 4202	DC A	Mathad Dlaul	F1 (C6-C10)	2022/03/31		94	%	60 - 140
7914203	KGA	Method Blank	1,4-Difluorobenzene	2022/03/31		117	%	70 - 130
			4-Bromofluorobenzene D10-o-Xylene	2022/03/31 2022/03/31		84 96	% %	70 - 130 70 - 130
			D4-1,2-Dichloroethane	2022/03/31		106	% %	70 - 130 70 - 130
			Benzene	2022/03/31	<0.20	100	∞ ug/L	70 - 130
			Toluene	2022/03/31	<0.20		ug/L ug/L	
			Ethylbenzene	2022/03/31	<0.20		ug/L ug/L	
			o-Xylene	2022/03/31	<0.20		ug/L	
			p+m-Xylene	2022/03/31	<0.40		ug/L	
			Total Xylenes	2022/03/31	<0.40		ug/L	
			. Ottal Ayleries	2022/03/31	10.70		ν _θ / ∟	



Agnico-Eagle

Site Location: MELIADINE Your P.O. #: OL-1129375 Sampler Initials: DM

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC								
Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			F1 (C6-C10)	2022/03/31	<25		ug/L	
			F1 (C6-C10) - BTEX	2022/03/31	<25		ug/L	
7914203	RGA	RPD [SFT399-05]	Benzene	2022/03/31	NC		%	30
			Toluene	2022/03/31	NC		%	30
			Ethylbenzene	2022/03/31	NC		%	30
			o-Xylene	2022/03/31	NC		%	30
			p+m-Xylene	2022/03/31	NC		%	30
			Total Xylenes	2022/03/31	NC		%	30
			F1 (C6-C10)	2022/03/31	NC		%	30
			F1 (C6-C10) - BTEX	2022/03/31	NC		%	30
7914389	KCB	QC Standard	Total Suspended Solids	2022/03/31		96	%	85 - 115
7914389	KCB	Method Blank	Total Suspended Solids	2022/03/31	<1		mg/L	
7914389	KCB	RPD	Total Suspended Solids	2022/03/31	1.4		%	25

N/A = Not Applicable

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

QC Standard: A sample of known concentration prepared by an external agency under stringent conditions. Used as an independent check of method accuracy.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).



Agnico-Eagle

Site Location: MELIADINE Your P.O. #: OL-1129375 Sampler Initials: DM

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:



Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.





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

Α	REPORT DATE: MONTH – DAY		REPORT TIME 13:50 PM				XORIGINAL SPILL REPORT,		L REPORT,				
	03-25-2022 OCCURRENCE DATE: MONTH	DAY	/ VEAD		1				OR		,	REPORT NUMBER	
В	Unknown	– DA	Y - YEAR							DATE # IE ORIGINAL	. SPILL REPORT	·	
^	LAND USE PERMIT NUMBER ((IF AP	PLICABLE)			WATER LICENCE NUMBER (IF APPLICABLE)							
С	KVPL11D01				2AM-MEL-1631								
D	GEOGRAPHIC PLACE NAME OF Meliadine Gold Pi			N FROM NAMED L	LOCATION		REGION	(NUNAVU	IT		T JURISDICTIOI	N OR OCEAN	
_	LATITUDE					LO	NGITUDE	1		_ //DU//OLIV	1 0011102101101	V 011 00 27 11 V	
Е	DEGREES 63		UTES 2	SECONDS 2			GREES 92			MINUTES	13	SECONDS 41	
F	Agnico Eagle Min				e PARTY ADDRESS OR OFFICE LOCATION ne, Rankin Inlet, Nunavut, X0C 0G0								
G	ANY CONTRACTOR INVOLVED)			R ADDRESS OR OFFICE LOCATION								
u	Dyno Nobel PRODUCT SPILLED			Calgary,			DAME OF CUE	NO METRI	FC I	J.N. NUMBEF			
Н	Emulsion			2 kg	TY IN LITRES, KILOGRAMS OR CUBIC METRES					0332	1		
П	SECOND PRODUCT SPILLED N/A	(IF AF	PLICABLE)	QUANTITY IN L	ITRES, KIL	.OGI	RAMS OR CUE	BIC METRE	- -	J.N. NUMBEF N/A	3		
	SPILL SOURCE			SPILL CAUSE							NITA MINIATION II	I SOLIABE METRES	
I	Emulsion Plant				determined					AREA OF CONTAMINATION IN SQUARE METRES 1			
J	FACTORS AFFECTING SPILL O	OR RE	COVERY	N/A	/ ASSISTAI	NCE	REQUIRED			HAZARDS TO N/A	PERSONS, PR	OPERTY OR EQUIPMENT	
	ADDITIONAL INFORMATION, C	ENTS, ACTIONS PROPO	TO CONTAI	N, F	RECOVER OR I	DISPOSE (OF SPI	ILLED PROD	UCT AND CONT	AMINATED MATERIALS			
K	The contaminated after which the contaminated after which the contaminated the contamination of the spill, the nearest Pursuant to Part I investigation is contact Information	onta ie s wat H, li om	aminated mate pill was 63° 2'3 er-body (G9) is tem 8c of the v pleted. Sara Savoie 8	rial will be 38.33"N 92 s approxin	place 2°15'24 nately se, a f	d i 1.5 36 oll	n totes. 9"W. No 5 meters	water s away	r bod y. will k	dies we	re impact	ed by the	
ı	REPORTED TO SPILL LINE BY Sara Savoie	,	POSITION Env. Gen. Su	nomicor	EMPLOY	ER				TION CALLIN	IG FROM	TELEPHONE	
_	ANY ALTERNATE CONTACT		POSITION	hei visoi	AEM EMPLOY	FR				liadine	FACT	819-759-3555 ALTERNATE TELEPHONE	
M	Eric Giroux		Env. Superint	tendent	AEM					liadine	AOT	418-559-2861	
				REPORT LIN	IE USE OI	NLY							
N	RECEIVED AT SPILL LINE BY		POSITION		EMPLOY	ER			LOCA	TION CALLE	D	REPORT LINE NUMBER	
Ľ			<u> </u>				YELLO	OWKNIFE, N	Т	(867) 920-8130			
LEA	AGENCY DEC DCCG DC	C □ NEB □ TC	SIGN	IIFIC	ANCE MIN	OR 🗆 MA	JOR [UNKNOWN	FILE STAT	US OPEN CLOSED			
AGE	NCY	CON	TACT NAME		CON	TAC	TTIME		RE	EMARKS			
LEA	AGENCY												
FIRS	T SUPPORT AGENCY												
SEC	OND SUPPORT AGENCY												
THIR	D SUPPORT AGENCY												

Follow Up Report: #2022097 March 25th 2022, Emulsion Spill



The following information refers to spill 2022097 reported by Agnico Eagle Mines Limited March 25th, 2022, and is being provided in accordance with:

• the Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c.

Description of Incident:

On March 25th at approximately 14:00, an estimated 2 kg of emulsion was identified during snow removal operations on the emulsion pad.

No water bodies were impacted by this spill. The closest natural water body (G9) is 365 m from the spill location. The coordinates of the spill are 63° 2'38.33"N, 92°15'24.59"W (Figure 1).



Figure 1: Location of 2kg emulsion spill

Spill Response & Cleanup:

Emulsion plant personnel collected all impacted snow and ice and placed it in the Dyno Equipment Shop to thaw. The melted material was collected in the floor sump and transferred to a tote for disposal as hazardous waste.

It was determined that there was no risk of ignition during spill cleanup. Emulsion requires high pressure and a heat source for detonation and none of these conditions were present or susceptible of being present during the spill cleanup.



Figure 2: Impacted material in Dyno Equipment Shop to melt



Figure 3: Dyno Equipment Shop collection sump



Figure 4: Final cleanup

Cause of the Incident and Corrective Measures

The cause and occurrence time of the spill could not be determined, therefore the corrective measures focused on spill reporting rather than on the root cause of the spill.

Toolbox talks were conducted by Dyno Nobel (the Contractor responsible for the production of emulsion on site) supervisors to review the importance of spill reporting and remind crews of the spill reporting procedures.

Dyno Nobel supervisors also reviewed the Filling RU Bins Standard Operating Procedure and the HT-1545 RC Truck Operations Procedure with the Dyno Nobel employees to ensure proper work procedure are used to prevent future spills as the spill could have occurred during loading operations.



Brett Fairbairn | Environment Coordinator brett.fairbairn@agnicoeagle.com | Direct 819.759.3555 x4603996 | Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada XOC 0G0

Sent from Meliadine





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

Α	REPORT DATE: MONTH – DAY 03-26-2022	-YEA	R	10:30				ORIGINAL SPILL	REPORT NUMBER				
	OCCURRENCE DATE: MONTH – DAY – YEAR OCCURRENCE TIME								JPDATE #		- Let Gitt Hombert		
B	03-25-2022				12:40	12:40 TO T WATER LICENCE NUMBER (IF A					SPILL REPORT		
С	LAND USE PERMIT NUMBER (I	IF APF	PLICABLE)				TER LICENCE AM-MEL		R (IF A	APPLICABLE)			
D	GEOGRAPHIC PLACE NAME O Meliadine Gold Pr			I FROM NAMED L	FROM NAMED LOCATION REGION □ NWT MINUNAVUT								
_	LATITUDE	-,-				□ NWT ■ NUNAVUT □ ADJACENT JURISDICTION OR OCEA LONGITUDE						N OR OCEAN	
Е	DEGREES 63	MINU			ONDS 21 DEGREES 92 MINUTES 13 SECONDS 4						SECONDS 41		
F	RESPONSIBLE PARTY OR VES Agnico Eagle Min				e PARTY ADDRESS OR OFFICE LOCATION ne, Rankin Inlet, Nunavut, X0C 0G0								
G	ANY CONTRACTOR INVOLVED N/A)		N/A	CONTRACTOR ADDRESS OR OFFICE LOCATION N/A								
	PRODUCT SPILLED Untreated Sewage	е		QUANTITY IN LI	,	.OGF	RAMS OR CU	BIC METRI	ES	U.N. NUMBER			
Н	SECOND PRODUCT SPILLED ((IF APF	PLICABLE)	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES N/A					ES	U.N. NUMBER			
ı	SPILL SOURCE Sewage Vacuum	Truz	sk Hoso	SPILL CAUSE						1	NOITAMIMATION II	SQUARE METRES	
'	FACTORS AFFECTING SPILL C			Human Error DESCRIBE ANY ASSISTANCE REQUIRED						10 m2	PERSONS PRO	DPERTY OR EQUIPMENT	
J	N/A	OOVEIII	N/A	AGGIGTA	IVOL	TILGOTTLD			N/A	T ENGONO, T TR	SI ETTI OTTEGOTI MENT		
	ADDITIONAL INFORMATION, C	SED OR TAKEN T	O CONTAI	IN, R	ECOVER OR	DISPOSE	OF S	SPILLED PRODU	JCT AND CONT	AMINATED MATERIALS			
K	from the lift station, releasing 25 L of untreated sewage from the hose onto the ground. The spilled material was placed into drums for proper disposal at a later date. The coordinates of the spill are 63° 1'42.70"N 92°12'47.81"W. No water bodies were impacted by this spill. The nearest natural body of water is Lake B7, approximately 880 m west. Pursuant to Part H, Item 8c of the water license, a follow up report will be issued after closer investigation is completed. A follow-up report will be issued at a later date. Reported by Sara Savoie, Environment General Supervisor (819-759-3555 x4603212; sara.savoie@agnicoeagle.com).												
L	REPORTED TO SPILL LINE BY Sara Savoie		POSITION Env. Gen. Sup	pervisor	EMPLOY AEM					CATION CALLIN	G FROM	TELEPHONE 819-759-3555	
M	ANY ALTERNATE CONTACT Eric Giroux		POSITION Env. Superint	endent	EMPLOY AEM					ERNATE CONTA leliadine	ACT	ALTERNATE TELEPHONE 418-559-2861	
			-	REPORT LIN	E USE O	NLY							
N	RECEIVED AT SPILL LINE BY		POSITION		EMPLOY	ER			LOC	CATION CALLED)	REPORT LINE NUMBER	
1							YEL	LOWKNIFE, NT		(867) 920-8130			
LEAD	AGENCY DEC DCCG DG	SNWT	☐ GN ☐ ILA ☐ INAC	□ NEB □ TC	SIGN	IIFIC	ANCE MIN	IOR 🗆 MA	JOR	□ UNKNOWN	FILE STAT	US OPEN CLOSED	
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LEAD) AGENCY												
FIRS	T SUPPORT AGENCY												
SEC	OND SUPPORT AGENCY												
THIR	D SUPPORT AGENCY												



Follow Up Report: #2022098 March 25th, 2022 – 25 L Sewage

The following information refers to incident #2022098 reported by Agnico Eagle Mines Limited March 25th, 2022, and is being provided in accordance with:

the Nunavut Water Board License 2AM-MEL1631 Water License, Part H, Item 8c.

Description of Incident

At approximately 12:40 on March 25th, 2022, after emptying the KCG sewage lift station tank, 25 L of sewage was spilled when the vacuum truck hose was disconnected.

The coordinates of this spill are 63° 1′ 42.70″N, 92° 12′ 47.81"W. No water bodies were impacted by this spill. The closest water body (B7) is approximately 870 m west.

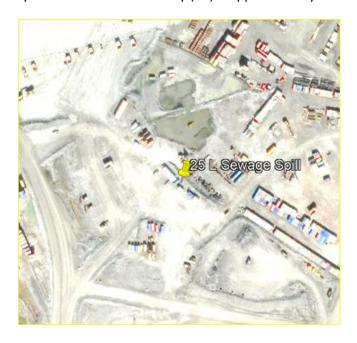


Figure 1: Location of the spill

Spill Response & Cleanup

The spill was contained to the local aera. The topography of the area and the freezing conditions prevented the sewage from migrating off site, facilitating spill recovery. Frozen contaminated material was collected using a backhoe and placed in drums to be returned to the sewage treatment system at a later date.



Figure 2: KCG sewage lift station tank spill cleanup

Cause of Incident and Corrective Measures

The operator of the sewage vacuum truck was unaware of the high level in the truck prior to emptying the KCG sewage lift station tank.

After emptying the KCG sewage lift station tank the operator closed the KCG sewage lift station tank discharge valve and attempted to clear the sewage vacuum truck suction line as per the procedure. The sewage vacuum truck was at capacity and unable to clear all of the fluid from the line. When the operator disconnected the sewage vacuum truck suction line the trapped sewage within the sewage vacuum truck suction line was released to the ground.

To prevent a similar incident from occurring, all sewage vacuum truck operators have received official training on sewage vacuum truck operations from the onsite training department.

Furthermore a review of the Sucker Truck Operations Procedure is ongoing and will be completed by all sewage vacuum truck operators.





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

Α	00-25-2022				19:15				ORIGINAL SPILL REPOR	REPORT NUMBER				
В	OCCURRENCE DATE: MONTH	l – DA	Y – YEAR			currence time		ا 🗆 ر	JPDATE # THE ORIGINAL SPILL F	REPORT	-			
С	LAND USE PERMIT NUMBER KVPL11D01	(IF AF	PLICABLE)				NCE NUMBER	,	APPLICABLE)		-			
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F	RESPONSIBLE PARTY OR VE	SSEL	NAME			ty address or o			X0C 0G0					
G	ANY CONTRACTOR INVOLVED Orbit Garant	D		CONTRACTOR Val-d'Or	NTRACTOR ADDRESS OR OFFICE LOCATION al-d'Or									
	PRODUCT SPILLED Drilling Recircula	itioi	n Water	QUANTITY IN L		S, KILOGRAMS OR	CUBIC METR	ES	U.N. NUMBER					
Η	SECOND PRODUCT SPILLED N/A	(IF AF	PPLICABLE)	QUANTITY IN L	TRE	S, KILOGRAMS OR	CUBIC METR	ES	U.N. NUMBER					
I	SPILL SOURCE Recirculation Tar	nk		SPILL CAUSE To be determined					AREA OF CONTAMIN. 2 m2	ATION IN	SQUARE METRES			
J	FACTORS AFFECTING SPILL (OR RI	ECOVERY	DESCRIBE ANY	'AS	SISTANCE REQUIRE	D		HAZARDS TO PERSO	NS, PRO	PERTY OR EQUIPMENT			
K	Pursuant to Part investigation is c	pill: H, s om	ver. 63° 0'33.00"Nection 4c of the pleted.	l, 92°12'9. ne Water Li	57' ice	'W nse, a follov	w up rep	port will be issued after a closer 59-3555 x4603212;						
L	REPORTED TO SPILL LINE BY	/	POSITION Env. Gen. Su	pervisor		PLOYER EM		1	CATION CALLING FROM		TELEPHONE 819-759			
M	ANY ALTERNATE CONTACT Eric Giroux		POSITION Env. Superint	tendent	l	PLOYER EM			TERNATE CONTACT Ieliadine CATION		ALTERNATE TELEPHONE 418-599-2861			
	L		I.	REPORT LIN	ΕU	SE ONLY								
Ν	RECEIVED AT SPILL LINE BY		POSITION		EM	PLOYER		LO	CATION CALLED	F	REPORT LINE NUMBER			
-			STATION OPERATOR					YEI	LLOWKNIFE, NT		867) 920-8130			
LEA	DAGENCY DEC DCCG DC	GNW	「 □ GN □ ILA □ INAC	□ NEB □ TC		SIGNIFICANCE	MINOR 🗆 MA	AJOF	R 🗆 UNKNOWN F	ILE STATI	JS □ OPEN □ CLOSED			
AGE	NCY	TACT NAME			CONTACT TIME			REMARKS						
LEA	D AGENCY													
FIRST SUPPORT AGENCY														
SEC	OND SUPPORT AGENCY													
THIF	D SUPPORT AGENCY													

Follow Up Report: #2022102 March 27th, 2022,



20 L Drilling Recirculation Water on Waterbody A8

The following information relates to spill #2022102 reported by Agnico Eagle Mines Limited on March 29th, 2022, and is being provided in accordance with:

- the Nunavut Water Board License 2BB-MEL1424 Water Licence, part H, item 4c;
- the Fisheries Act subsection 38(7).

Description of Incident:

On March 27^{th,} 2022 during an environmental inspection of the Orbit drill rigs located on waterbody A8, a worker identified a 20 L drilling recirculation water overflow from the drill recirculation water recovery tank to the surface of the ice. No drilling recirculation water entered the waterbody as it was contained on the surface of the ice cover.

The coordinates of the spill are: 63° 0′ 33.00" N, 92°12' 9.57"W, which is on waterbody A8.



Figure 1: Drilling recirculation water spill location

Spill Response & Cleanup:

Orbit Garant stopped drilling operations which stopped the flow to the drill recirculation water recovery tank and allowed realignment of the drill recirculation recovery tank. Orbit Garant employees promptly started the spill cleanup using ice chippers and shovels. The impacted snow and ice was placed into the decantation tank to be reused in the drilling process.



Figure 2: Spill Location-Post cleanup

Cause of Incident and Corrective Measures

The release was a result of an equipment failure as the drill recirculation recovery tank became tilted during the drilling process. Orbit Garant stopped the drilling process, realigned the drill recirculation recovery tank and attached it to the drill with chains to prevent movement of the drill recirculation recovery tank and future spills.



Brett Fairbairn | Environment Coordinator brett.fairbairn@agnicoeagle.com | Direct 819.759.3555 x4603996 | Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada XOC 0G0





Canadä

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

Α	REPORT DATE: MONTH – DAY – 2022-03-30	REPORT TIM		IME		☐ ORIGINAL SPILL REPORT, OR		REPORT NUMBER		
В	OCCURRENCE DATE: MONTH – 2022-03-29	occur 9:4		NCE TIME		□ UPDATE # TO THE ORIGINAL SPILL REPORT		-		
С	LAND USE PERMIT NUMBER (IF				NCE NUMBER	(IF APPLICABLE)				
D	GEOGRAPHIC PLACE NAME OR Meliadine Gold Pro	N FROM NAMED LC	CATION							
	LATITUDE				ONGITUDE	OR OCEAN				
Е	DEGREES 63				DEGREES 92 MINUTES 13 SECONDS 41					
F	RESPONSIBLE PARTY OR VESS AEM	EL NAME	Meliadine, Rankin Inlet, Nunavut, X0C 0G0							
G	ANY CONTRACTOR INVOLVED Orbit Garant	CONTRACTOR AI	ACTOR ADDRESS OR OFFICE LOCATION d'Or							
	Drilling Recirculation Water 20		QUANTITY IN LIT 20 Litres	RES, KILO	GRAMS OR	CUBIC METRI	U.N. NUMBER	U.N. NUMBER N/A		
H	<u> </u>		QUANTITY IN LIT	RES, KILO	GRAMS OR	CUBIC METRI	ES U.N. NUMBER			
	N/A	N/A				N/A	N/A			
I	Recirculation Tank	To be determined				2m2	AREA OF CONTAMINATION IN SQUARE METRES 2m2			
J	FACTORS AFFECTING SPILL OR RECOVERY N/A DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION N/A			SCRIBE ANY ASSISTANCE REQUIRED				HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT N/A		
K	surface of the ice. No drilling recirculation water entered the water body as it was contained on the surface of the ice cover. Location of the spill: 63° 0'43.04"N 92°12'25.15"W Pursuant to Part H, section 4c of the Water License, a follow up report will be issued after a closer investigation completed. Reported by Sara Savoie, Environment General Supervisor (819-759-3555 x4603212; sara.savoie@agnicoeagle.com)									
L	REPORTED TO SPILL LINE BY Sara Savoie POSITION Env. Gen. Su		pervisor AEM				LOCATION CALLING FROM Meliadine		ELEPHONE 819-759-3555	
M	INV ALTERNATE CONTACT POSITION Eric Giroux Env. Superint		tendant AEM		ER AI		ALTERNATE CONTA Meliadine		LTERNATE TELEPHONE 418-599-2861	
			REPORT LINE	USE ON	LY					
	RECEIVED AT SPILL LINE BY POSITION STATION OPERATOR			EMPLOYE	ER LOC		LOCATION CALLED) F	REPORT LINE NUMBER	
N							'ELLOWKNIFE, NT		367) 920-8130	
LEAD AGENCY EC CCG GNWT GN ILA INAC						JOR □ UNKNOWN				
AGENCY CONTACT NAME				CONTACT TIME			REMARKS	REMARKS		
LEAD AGENCY										
FIRST SUPPORT AGENCY										
SECOND SUPPORT AGENCY										
THIR	D SUPPORT AGENCY									

Follow Up Report: #2022105 March 29th, 2022,



20 L Drilling Recirculation Water on Waterbody A8

The following information relates to spill #2022105 reported by Agnico Eagle Mines Limited on March 30th, 2022, and is being provided in accordance with:

- the Nunavut Water Board License 2BB-MEL1424 Water Licence, part H, item 4c
- the Fisheries Act subsection 38(7)

Description of Incident:

On March 29th, 2022 during an environmental inspection of the Orbit Garant drill rigs located on waterbody A8, a worker identified that 20 L of drilling recirculation water had overflowed from the decantation tank to the surface of the ice.

The coordinates of the spill are: 63° 0′ 43.04" N, 92°12' 25.15"W, which is on waterbody A8.



Figure 1: Drilling recirculation water spill location

Spill Response & Cleanup:

At the time of inspection, the decantation tank was no longer overflowing, and drilling recirculation water was no longer spilling onto the ice. The cleanup of the spill was completed as part of the final site cleanup as all drilling operations were complete at the site. During the drill site cleanup all impacted snow and ice was removed and sent to the drill cuttings disposal area with the remaining drill cuttings.



Figure 2: Spill Location-Post cleanup

Cause of Incident and Corrective Measures

The release was a result of an equipment failure as the fresh water supply valve failed and could not be put in the closed position to stop filling the decantation tank. The decantation tank overflowed spilling recirculation water onto the surface ice. Orbit Garant stopped the flow of fresh water into the decantation tank and replaced the failed valve.

As an effort to mitigate the frequency of spills on lake ice, Orbit has committed to implementing a series of actions aimed at reducing the risk of spills from drills. One of these actions is to install water level sensors on the decantation tanks which will be connected to a signal light system installed in the drill shake. The intention to implement this action was communicated via a Letter of Intent provided by Orbit to Agnico Eagle on April 28th, 2022 and is available upon request of regulatory bodies.



Brett Fairbairn | Environment Coordinator brett.fairbairn@agnicoeagle.com | Direct 819.759.3555 x4603996 | Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0













Canada 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

										HEFORT LINE OSE ONET
Α	REPORT DATE: MONTH – DAY – YEAR 03-30-2022		REPORT 17:15					▼ORIGINAL SPILL REPORT, OR		REPORT NUMBER
В	OCCURRENCE DATE: MONTH - 03-30-2022	OCCURF 8:00		RENCE TIME			UPDATE #TO THE ORIGINAL SPILL REPORT			
С	LAND USE PERMIT NUMBER (IF		WATER LICENCE NUMBER (IF 2AM-MEL1631			R (IF A	APPLICABLE)			
D	GEOGRAPHIC PLACE NAME OF Meliadine Gold Pro	N FROM NAMED	D LOCATION REGION			/I IT	☐ ADJACENT JURISDICTION OR OCEAN			
_	LATITUDE				LONGITUDE					OHOOLAIV
Е	DEGREES 63	SECONDS 21			DEGREES 92 MINUTES 13 SECO				ECONDS 41	
F	Agnico Eagle Mine			sible party address or office location addine, Rankin Inlet, Nunavut, X0C 0G0						
G	ANY CONTRACTOR INVOLVED N/A	CONTRACTOR ADDRESS OR OFFICE LOCATION N/A								
	PRODUCT SPILLED Untreated Sewage		QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 30 L			RES	U.N. NUMBER N/A			
	SECOND PRODUCT SPILLED (IF APPLICABLE) N/A		QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES N/A				RES	U.N. NUMBER N/A		
	SPILL SOURCE Sewage Vacuum T	SPILL CAUSE Equipme	SPILL CAUSE Equipment Malfunction				AREA OF CONTAMINATION IN SQUARE METRES 3m2			
J				DESCRIBE ANY ASSISTANCE REQUIRED				HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT N/A		
K	While transferring the content of the vacuum truck into the MSB lift station, the vacuum truck h became loose and approximately 30 L of untreated sewage was spilled. Contaminated material scrapped and placed into drums for proper disposal at a later date. The coordinates of the spill are 63° 2' 21"N, 92° 13' 40"W. No water bodies were impacted by the spill. The nearest water body, (G2) is 500 m north. Pursuant to Part H, Item 8c of the water license, a follow up report will be issued after closer investigation is completed. A follow-up report will be issued at a later date. Reported by Sara Savoie, Environment General Supervisor (819-759-3555 x4603212; sara.savoie@agnicoeagle.com).									ed by this
L	REPORTED TO SPILL LINE BY POSITION Sara Savoie Env. Gen. Su		pervisor AEM		-			OCATION CALLING FROM Meliadine		ELEPHONE 819-759-3555
M	ANY ALTERNATE CONTACT Eric Giroux			endant AEM		I				ALTERNATE TELEPHONE 418-559-2861
			REPORT LIN	NE USE OI	NLY				<u>'</u>	
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AGENCY CONTACT NAME			CON		TACT TIME			REMARKS		
LEAD AGENCY										
FIRST SUPPORT AGENCY										
SECOND SUPPORT AGENCY										
THIRD SUPPORT AGENCY										



Follow Up Report: #2022106 March 30, 2022 – 30 L Sewage

The following information refers to an incident #2022106 reported by Agnico Eagle Mines Ltd. March 30, 2022, and is being provided in accordance with:

the Nunavut Water Board License 2AM-MEL1631 Water License, Part H, Item 8c.

Description of Incident

At approximately 8:00am on March 30, 2022, 30 L of sewage was spilled at the Multi Service Building (MSB) lift station when the vacuum truck hose was disconnected.

The coordinates of this spill are 63° 2′ 21"N, 92° 13' 40"W. No water bodies were impacted by this spill. The closest waterbody (G2) is approximately 350 m north.

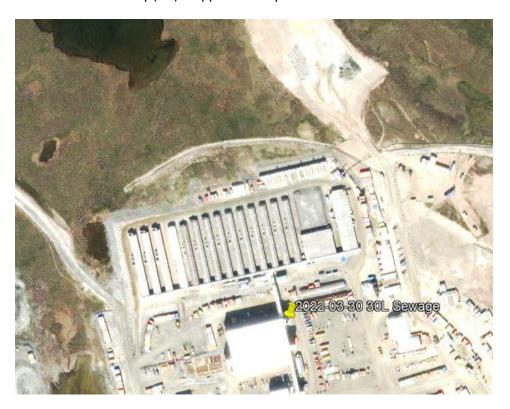


Figure 1: Location of the MSB lift station spill

Spill Response & Cleanup

The spill was contained to the local aera. The topography of the area and the freezing conditions prevented the sewage from migrating off site, facilitating spill recovery. Frozen contaminated material was collected and placed in a drum which will be sent south for hazardous waste disposal (contaminated ice and gravel).



Figure 2: MSB lift station spill clean up

Cause of Incident and Corrective Measures

While transferring the content of the vacuum truck into the MSB lift station, the vacuum truck hose became loose due to the camlocks not being correctly secured and approximately 30 L of sewage was released. As this specific spill occurred due to human error, the responsible staff working on sucker truck was met and the sucker truck procedure was reviewed.





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

REPORT LINE USE ONLY

Α	REPORT DATE: MONTH – DAY 04-01-2022	-YEAR		17:50		□ OF	ORIGINAL SPILL REP	PORT,	REPORT NUMBER	
В	OCCURRENCE DATE: MONTH	– DAY – YEAR		OCCURR 13:00	EENCE TIME		UPDATE # THE ORIGINAL SPIL	L REPORT		
С	LAND USE PERMIT NUMBER ((IF APPLICABLE)			WATER LICENCE 2BB-MEI		APPLICABLE)			
D	GEOGRAPHIC PLACE NAME OF Meliadine Gold P		N FROM NAMED L	OCATION	REGION □ NWT	XNUNAVUT	□ ADJACENT JUF	RISDICTION	OR OCEAN	
Ε	LATITUDE DEGREES 63	MINUTES 2	SECONDS 21		LONGITUDE DEGREES 9	2	MINUTES 13	SE	ECONDS 41	
F	RESPONSIBLE PARTY OR VE	SSEL NAME	RESPONSIBLE I	PARTY AD	DRESS OR OFF	ICE LOCATION				
G	ANY CONTRACTOR INVOLVED Orbit Garant)	CONTRACTOR A	ADDRESS	OR OFFICE LO	CATION				
<u> </u>	PRODUCT SPILLED		QUANTITY IN LI	TDEC VII	OCDAME OD CI	IDIC METDES	ES U.N. NUMBER			
	Drilling Recircula		100 Litre		OGNAWS ON C	JBIC WETRES	N/A			
Н	SECOND PRODUCT SPILLED (IF APPLICABLE) N/A N/A			ΓRES, KIL	OGRAMS OR C	JBIC METRES	U.N. NUMBER			
	SPILL SOURCE SPILL Recirculation Tank To			ermin	ned		AREA OF CONTAM 6 m2	IINATION IN	SQUARE METRES	
J				IBE ANY ASSISTANCE REQUIRED			HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT N/A			
K	a worker identifies surface of the ice surface of the ice surface of the ice Location of the spursuant to Part investigation is consequently.	No drilling recire cover. pill: 63° 0'41.27"N H, section 4c of the ompleted.	culation wa I, 92°12'25 ne Water Li vironment C	ter en .91"W cense	tered the	water bo	ody as it was	contail	ned on the	
L	REPORTED TO SPILL LINE BY Randy Schwandt		ator	EMPLOYE AEM	ER		ocation calling fr	-	ELEPHONE 819-759-3555	
M	ANY ALTERNATE CONTACT Matt Gillman	POSITION Water Gen.Su	upervisor	EMPLOYE AEM	ER		TERNATE CONTACT Meliadine	I	LTERNATE TELEPHONE 819-759-3555	
			REPORT LIN	E USE ON	NLY					
NI	RECEIVED AT SPILL LINE BY	POSITION		EMPLOY	ER	LC	OCATION CALLED	F	REPORT LINE NUMBER	
N		STATION OPERATOR				YE	ELLOWKNIFE, NT	3)	367) 920-8130	
LEAD	AGENCY DEC DCCG DC	GNWT □ GN □ ILA □ INAC	C □ NEB □ TC	SIGN	IFICANCE MI	INOR □ MAJO	R 🗆 UNKNOWN	FILE STATU	JS □ OPEN □ CLOSED	
AGE	NCY	CONTACT NAME		CON	TACT TIME		REMARKS			
LEA) AGENCY									
FIRS	T SUPPORT AGENCY									
SEC	OND SUPPORT AGENCY									
THIR	D SUPPORT AGENCY									

Follow Up Report: #2022109 April 1st, 2022,



100 L Drilling Recirculation Water on Waterbody A8

The following information relates to spill #2022105 reported by Agnico Eagle Mines Limited on April 1st, 2022, and is being provided in accordance with:

- the Nunavut Water Board License 2BB-MEL1424 Water Licence, part H, item 4c
- the Fisheries Act subsection 38(7)

Description of Incident:

On April 1st, 2022, during an environmental inspection of the Orbit Garant drill rigs located on waterbody A8, a worker identified that 100 L of drilling recirculation water had overflowed from the decantation tank to the surface of the ice.

The coordinates of the spill are: 63° 0′ 41.27" N, 92°12' 25.91"W, which is on waterbody A8.



Figure 1: Drilling recirculation water spill location

Spill Response & Cleanup:

At the time of inspection, the decantation tank was no longer overflowing, and drilling recirculation water was no longer spilling onto the ice. The cleanup of the spill was completed as part of the final site cleanup as all drilling operations were complete at the site. During the drill site cleanup all impacted snow and ice was removed and sent to the drill cuttings disposal area with the remaining drill cuttings.



Figure 2: Spill Location- Pre-cleanup



Figure 3: Spill Location- Post cleanup

Cause of Incident and Corrective Measures

The release was a result of a human error as the worker didn't stop the pump that was filling the tank. The decantation tank overflowed spilling recirculation water onto the surface ice. Orbit Garant stopped the flow of fresh water into the decantation tank immediately after the overflow was observed.

As an effort to mitigate the frequency of spills on lake ice, Orbit has committed to implementing a series of actions aimed at reducing the risk of spills from drills. One of these actions is to install water level sensors on the decantation tanks which will be connected to a signal light system installed in the drill shake. The intention to implement this action was communicated via a Letter of Intent provided by Orbit to Agnico Eagle on April 28th, 2022 and is available upon request of regulatory bodies.



Randy Schwandt | Environment Coordinator randy.schwandt@agnicoeagle.com | Direct 819.759.3555 x4603996 | Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0

agnicoeagle.com 🖽 📵 🛅 🦾











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

REPORT LINE USE ONLY

Α	REPORT DATE: MONTH – DAY 04-01-2022	′-YEAR		EPORT TIME 17:30	OF	ORIGINAL SPILL REPORT,	REPORT NUMBER		
В	OCCURRENCE DATE: MONTH	I – DAY – YEAR	"	CCURRENCE TIM	E \square	UPDATE # THE ORIGINAL SPILL REPORT			
С	LAND USE PERMIT NUMBER KVPL11D01	(IF APPLICABLE)	'		CENCE NUMBER (IF	APPLICABLE)			
D	GEOGRAPHIC PLACE NAME (Meliadine Gold P	OR DISTANCE AND DIRECTION roject	N FROM NAMED LOC	CATION REGIO		☐ ADJACENT JURISDICTION	OR OCEAN		
Ε	LATITUDE DEGREES 63	MINUTES 2	SECONDS 21	LONGITUI		MINUTES 13 S	ECONDS 41		
F	RESPONSIBLE PARTY OR VE		RESPONSIBLE PA	RTY ADDRESS OF	R OFFICE LOCATION				
G	ANY CONTRACTOR INVOLVE	D	CONTRACTOR AD	DRESS OR OFFIC	E LOCATION				
<u>u</u>	Orbit Garant PRODUCT SPILLED		Val-d'Or	EC KILOCRAMO	OR CUBIC METRES	S U.N. NUMBER			
	Drilling Recircula	tion Water	150 Litres	ES, KILOGRAMS (JR CORIC WETRES	N/A			
Η	SECOND PRODUCT SPILLED (IF APPLICABLE) N/A N/A			ES, KILOGRAMS (OR CUBIC METRES	U.N. NUMBER			
1	SPILL SOURCE SPILL C. Recirculation Tank To b			rmined		AREA OF CONTAMINATION IN 8 m2	SQUARE METRES		
J				SSISTANCE REQU	IRED	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT N/A			
K	surface of the ice surface of the ice Location of the s Pursuant to Part investigation is c	e. No drilling recird e cover. pill: 63° 0'34.15"N H, section 4c of th	culation water 1, 92°12'11.7 1e Water Lice 1:ronment Co	er entered a 4"W ense, a foll	the water bo	ne recirculation tan ody as it was contain t will be issued aften 55 x4603996;	ned on the		
L	REPORTED TO SPILL LINE BY Randy Schwandt			MPLOYER \EM		CATION CALLING FROM	TELEPHONE 819-759-3555		
M	ANY ALTERNATE CONTACT Matt Gillman	POSITION Water Gen.Su		MPLOYER \EM		TERNATE CONTACT Meliadine CATION	ALTERNATE TELEPHONE 819-759-3555		
		'	REPORT LINE	USE ONLY		<u>'</u>			
Ν	RECEIVED AT SPILL LINE BY	POSITION	E	MPLOYER	LC	CATION CALLED	REPORT LINE NUMBER		
-		STATION OPERATOR		T	YE	ELLOWKNIFE, NT	867) 920-8130		
	AGENCY DEC DCCG DC		□ NEB □ TC	+	☐ MINOR ☐ MAJOI		JS □ OPEN □ CLOSED		
AGE	NCY	CONTACT NAME		CONTACT TIME		REMARKS			
	T SUPPORT AGENCY								
	SECOND SUPPORT AGENCY								
	D SUPPORT AGENCY								

Follow Up Report: #2022112 April 1st, 2022,



150 L Drilling Recirculation Water on Waterbody A8

The following information relates to spill #2022105 reported by Agnico Eagle Mines Limited on April 1st, 2022, and is being provided in accordance with:

- the Nunavut Water Board License 2BB-MEL1424 Water Licence, part H, item 4c
- the Fisheries Act subsection 38(7)

Description of Incident:

On April 1st, 2022, during an environmental inspection of the Orbit Garant drill rigs located on waterbody A8, a worker identified that 150 L of drilling recirculation water had overflowed from the decantation tank to the surface of the ice.

The coordinates of the spill are: 63° 0′ 34.15" N, 92°12' 11.74"W, which is on waterbody A8.



Figure 1: Drilling recirculation water spill location

Spill Response & Cleanup:

At the time of inspection, the decantation tank was no longer overflowing, and drilling recirculation water was no longer spilling onto the ice. The cleanup of the spill was completed as part of the final site cleanup as all drilling operations were complete at the site. During the drill site cleanup all impacted snow and ice was removed and sent to the drill cuttings disposal area with the remaining drill cuttings.



Figure 2&3: Spill Location- Pre-clean (left) and post clean up (right)

Cause of Incident and Corrective Measures

The release was a result of a human error as the worker didn't stop the pump that was filling the tank. The decantation tank overflowed spilling recirculation water onto the surface ice. Orbit Garant stopped the flow of fresh water into the decantation tank immediately after the overflow was observed.

As an effort to mitigate the frequency of spills on lake ice, Orbit has committed to implementing a series of actions aimed at reducing the risk of spills from drills. One of these actions is to install water level sensors on the decantation tanks which will be connected to a signal light system installed in the drill shake. The intention to implement this action was communicated via a Letter of Intent provided by Orbit to Agnico Eagle on April 28th, 2022 and is available upon request of regulatory bodies.



Randy Schwandt | Environment Coordinator randy.schwandt@agnicoeagle.com | Direct 819.759.3555 x4603996 | Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0

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Α	REPORT DATE: MONTH – DAY – 04-04-2022	-YEAR		REPORT 6:15	TIME		□ ORIGINAL SPILL F	REPORT,	REPORT NUMBER
<u> </u>	OCCURRENCE DATE: MONTH -	- DAY – YEAR		OCCURRI	ENCE TIME		OR □ UPDATE #		-
В	04-03-2022			10:30			TO THE ORIGINAL S	PILL REPORT	
С	KVPL11D01	F APPLICABLE)			WATER LICENCE 2BB-MEL		(IF APPLICABLE)		
D	GEOGRAPHIC PLACE NAME OF Meliadine Gold Pro		ON FROM NAMED LO	OCATION	REGION	€ NUNAVU	Γ □ ADJACENT.	JURISDICTION (OR OCEAN
_	LATITUDE				LONGITUDE				
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G	ANY CONTRACTOR INVOLVED Orbit Garant		CONTRACTOR A Val-d'Or	ADDRESS	OR OFFICE LOCA	ATION			
	PRODUCT SPILLED Contaminated wat	er	QUANTITY IN LIT	TRES, KILO	ES, KILOGRAMS OR CUBIC METRES U.N. NUMBER N/A				
Η	SECOND PRODUCT SPILLED (IF APPLICABLE) N/A N/A QUANT			TRES, KILO	OGRAMS OR CUE	BIC METRE	S U.N. NUMBER N/A		
I	SPILL SOURCE SPILL CAUSE Water Pump Water pump			mp fai	lure		AREA OF CONT	TAMINATION IN S	SQUARE METRES
J	FACTORS AFFECTING SPILL OR RECOVERY N/A DESCRIBE ANY A N/A			ASSISTAN	ICE REQUIRED		HAZARDS TO P	ERSONS, PROF	PERTY OR EQUIPMENT
K	On April 3nd 2022 during an environmental inspection of the Orbit drill rigs located on water body A8, a worker identified that the recirculating water pump for the heating water system had a leak, the water was dripping on the container floor which contained traces of hydrocarbons. The water then flowed onto the ice of lake A8. The water was immediately scraped up and the pump replaced. No contaminated water entered the water body as it was contained on the surface of the ice cover. Location of the spill: 63° 0'34.15"N, 92°12'11.74"W Pursuant to Part H, section 4c of the Water License, a follow up report will be issued after a closer investigation is completed. Reported by Randy Schwandt, Environment Coordinator (819-759-3555 x4603996; randy.schwandt@agnicoeagle.com).								
ī	, ,			Coordi					r a closer
_	REPORTED TO SPILL LINE BY	position	n).	EMPLOYE	nator (819	-759-3	555 x460399	PROM TI	ELEPHONE
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Follow Up Report: #2022111 April 3rd, 2022,



6 L Contaminated Water on Waterbody A8

The following information relates to spill #2022111 reported by Agnico Eagle Mines Limited on April 3rd, 2022, and is being provided in accordance with:

- the Nunavut Water Board License 2BB-MEL1424 Water Licence, part H, item 4c;
- the Fisheries Act subsection 38(7).

Description of Incident:

On April 3^{rd,} 2022, during an environmental inspection of the Orbit drill rigs located on waterbody A8, a worker identified water leaking from the heating unit sea-can to the surface of the ice. Upon inspecting the heating unit sea-can, it was discovered that the water recirculation pump had failed, which resulted in 6 L of contaminated water to leak inside on the sea-can floor thus being released on the surface of the ice. It is suspected the water came in contact with the heating sea-can floor which contained traces of hydrocarbons, and therefore is treated as contaminated water spill. No contaminated water entered the waterbody as it was contained on the surface of the ice cover.

The coordinates of the spill are: 63° 0′ 34.15" N, 92°12'11.74"W, which is on waterbody A8.



Figure 1: Contaminated water spill location

Spill Response & Cleanup:

Orbit Garant immediately stopped the recirculation water pump. The contaminated ice and water were shoveled and brought to the contaminated snow cell where it will be stored until snowmelt, at which point the contaminated water will be transferred to the Landfarm for treatment at the oil-water separator, with the other existing material accumulated during Winter, as per the Water Management Plan.



Figure 2: Spill Location- Post cleanup

Cause of Incident and Corrective Measures

The release was a result of equipment failure as the pump recirculation pump failed. The pump was changed immediately to prevent another potential spill.

These pumps are inspected daily as per the normal pre-operations of the drill and during the April 3rd, 2022 visual inspection, no issues with the pump were visible and starting of the operations was normal. Orbit conducts mechanical verification on the pumps every two weeks – these verifications, alongside the daily pre-operation's inspections will continue to be conducted, reducing the likelihood of equipment malfunctions.



Randy Schwandt | Environment Coordinator randy.schwandt@agnicoeagle.com | Direct 819.759.3555 x4603996 | Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0

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Α	REPORT DATE: MONTH – DAY – YEAR 04-14-2022			15'45			XORIGINAL SPILL REF	PORT,	REPORT NUMBER	
В	OCCURRENCE DATE: MONTH	– DAY – YEAR			ENCE TIME		OR ☐ UPDATE # TO THE ORIGINAL SPIL	L REPORT		
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G	ANY CONTRACTOR INVOLVED Orbit Garant)	Val d'Or,	OR ADDRESS OR OFFICE LOCATION Or. Quebec						
	PRODUCT SPILLED		QUANTITY IN LI			UBIC METRE	S U.N. NUMBER			
	Diesel fuel		0.5L				N/A			
Н	SECOND PRODUCT SPILLED ((IF APPLICABLE)	QUANTITY IN LI	TRES, KIL	OGRAMS OR C	UBIC METRE	- -			
	N/A N/A						N/A			
I	Refueling hose SPILL SOURCE Dama			d fuel l	hose		AREA OF CONTAN	IINATION IN	SQUARE METRES	
J	RACTORS AFFECTING SPILL OR RECOVERY N/A DESCRIBE A N/A			Y ASSISTANCE REQUIRED			N/A			
	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS							MINATED MATERIALS		
K	the time of the institute diesel entered the Pursuant to Part I investigation is contact information	e water body as i H, Section 4c of ompleted. 63 0'32.6"N 92 1	it was conta the Water Li 2'13.9"W	ined c	on the sur	face of /-up rep	the ice cover.	ued afte	er a closer	
L	REPORTED TO SPILL LINE BY Brett Fairbairn	POSITION Env. Coordi	nator	AEM	ER		LOCATION CALLING FF Meliadine		ELEPHONE 819-759-3555	
M	ANY ALTERNATE CONTACT Sara Savoie	POSITION Env. Gen. St	upervisor	AEM	ER		ALTERNATE CONTACT Meliadine LOCATION	I .	RITERNATE TELEPHONE 819-759-3555	
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Follow Up Report: #2022132 April 14th, 2022, 0.5 L Diesel Fuel on Water Body A8 – Drill 4



The following information refers to a spill reported by Agnico Eagle Mines Limited (AEM) on April 14th, 2022, and is being provided in accordance with:

- the Nunavut Water Board License 2BB-MEL1424 Water License, part H, item 4c
- the Fisheries Act subsection 38(7)

Description of Incident:

On April 14th, 2022, at approximately 10:30, the Environment Department was conducting an inspection of the surface drill areas, operated by AEM's contractor Orbit Garant. During the inspection. 0.5 L of diesel fuel was observed underneath the fuel over pack can at Drill 4 on the surface of the lake ice.

The coordinates of the spill are: 63 0'32.6"N 92 12'13.9"W, which is on water body A8.



Figure 1: Incident Location

Spill Response & Cleanup:

The drill was not in operation at the time of the inspection. The Environment Department notified the Orbit Garant supervisor and spill cleanup was initiated.

The contaminated ice and snow were cleaned up and the contaminated material was disposed of at the Contaminated Snow Cell. When the contaminated snow and ice melts the water will be transferred for treatment at the oil-water separator and discharged to Containment Pond 1 as per the Water Management Plan and the Landfarm Management Plan.

It is expected that no impacts occurred to the water body as the spill occurred on the lake ice, facilitating the recovery of the contaminated material – the contaminated ice was scrapped off.



Figure 3: Spill location after completion of cleanup

Cause of Incident and Corrective Measures:

The cause of the spill was identified as equipment failure. The fuel hose was damage by normal use. The fuel hose was immediately changed to prevent another spill.

Preventive inspections continue to be completed by the Environment Department, Geology Department and the drill crews to identify potential concerns.



Brett Fairbairn | Environment Coordinator brett.fairbairn@agnicoeagle.com | Direct 819.759.3555 x4603996 | Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0

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Sent from Meliadine





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Α	REPORT DATE: MONTH – DAY – YEAR 04-19-2022			REPORT TIME 11:30			XC	X ORIGINAL SPILL REPORT,		REPORT NUMBER		
	OCCURRENCE DATE: MONTH	– DA	Y – YEAR		OCCUR		ETIME			JPDATE #		
В	04-18-2022				11:3	0			TO	THE ORIGINAL	SPILL REPORT	
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G	ANY CONTRACTOR INVOLVED Orbit Garant)		Val d'Or,		DITESS OR OFFICE LOCATION Quebec						
	Oil			QUANTITY IN LI	,	LOGF	AMS OR CL	JBIC METR	RES	U.N. NUMBER	3	
Η	SECOND PRODUCT SPILLED N/A	(IF AF	PLICABLE)	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES N/A				RES	U.N. NUMBER	3		
I	SPILL SOURCE Under Investigation			SPILL CAUSE unknown				AREA OF CO	NTAMINATION II	I SQUARE METRES		
J	FACTORS AFFECTING SPILL OR RECOVERY N/A			DESCRIBE ANY ASSISTANCE REQUIRED N/A					HAZARDS TO	PERSONS, PRO	DPERTY OR EQUIPMENT	
	ADDITIONAL INFORMATION, C	COMM	MENTS, ACTIONS PROPOS	L SED OR TAKEN T	O CONTA	IN, R	COVER OF	R DISPOSE	OF S	L SPILLED PROE	UCT AND CONT	AMINATED MATERIALS
K	investigation is c Location of spill: Contact informati (Brett.Fairbairn@	the War H, S om 63 ion: agr	e drill. A plan to ater body as it we Section 4c of th pleted. 0'39.3"N 92 12' Brett Fairbairn nicoeagle.com)	clean up was conta e Water L '17.1"W n 819-759-	the spined of	oill i	s being he surf	g deve face of -up rep	lop f the por	ed to en e ice cov t will be	sure prop ver. issued af	er cleanup. er a closer
L	REPORTED TO SPILL LINE BY Brett Fairbairn	,	POSITION Env. Coordina	ator	AEM					CATION CALLIN	NG FROM	TELEPHONE 819-759-3555
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Follow Up Report: #2022136 April 18th, 2022



0.5 L Engine Oil on Water Body A8 - Drill Rig#7

The following information refers to a spill reported by Agnico Eagle Mines Limited. on April 18th, 2022, and is being provided in accordance with:

- the Nunavut Water Board License 2BB-MEL1424 Water License, part H, item 4c;
- the Fisheries Act subsection 38(7).

Description of Incident:

On April 18th, 2022 at approximately 11:30, Environment Technicians were conducting an inspection of surface Drill# 7 M22-3396, operated by Orbit Garant. During the inspection, areas with small amounts engine oil coming out of the drill shack and from underneath the drill onto the lake ice were observed. It is estimated approximately 0.5 L of engine oil was released onto the lake ice.

The coordinates of the spill are: 63° 0′ 39.3" N, 92°12′ 17.1"W, on the water body A8



Figure 1: Incident Location

Spill Response & Cleanup:

During the inspection, Environment technicians notified the drillers of the issues and the Orbit Garant supervisor was also notified. Absorbent pads were placed to clean the engine oil and a shovel was used to clean up the remaining material. The contaminated snow and ice were disposed in a quatrex bag.

A sample was taken on April 21st. The ice sample was sent to the laboratory for analysis of the following parameters: BTEX, F1-F4 Hydrocarbons, Oil & Grease, total metals, Conductivity, pH, and Total Suspended Solids (TSS).

Results showed concentrations below detection limit for BTEX, F1-F4 Hydrocarbons and Oil & Grease. For reference, the maximum concentration of any grab sample applicable to Effluent discharge in Meliadine Lake at monitoring station MEL-7 is of 5 mg/L for Oil & Grease and no visible sheen, as per Water Licence 2BB-MEL1424 Part D Item 11. The certificate of analysis is attached and identified as Appendix A.



Figure 2: Spill Location - Post cleanup

Cause of Incident and Corrective Measures:

The release was a result of a human error as the worker didn't used a funnel to fill the tank. Some engine oil was spilled inside the drill and released outside the drill through the drain hole.

Funnels are now used. A spill tray was also installed under the drain hole to collect any other substance that could be released through the drain hole.



Figure 3: Spill tray installed under the drain hole

Preventive inspections continue to be completed by the Environment Department, Geology Department and the drill crews to identify potential concerns.



Brett Fairbairn | Environment Coordinator brett.fairbairn@agnicoeagle.com | Direct 819.759.3555 x4603996 | Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0









Appendix A



Your P.O. #: OL-1129375 Site Location: MELIADINE

Your C.O.C. #: na

Attention: Reporting

Agnico-Eagle
Meliadine
Meliadine Mine
Rankin Inlet, NU
CANADA XOC 0G0

Report Date: 2022/05/03

Report #: R7109823 Version: 2 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C2B2646 Received: 2022/04/28, 09:30 Sample Matrix: Surface Water

Sample Matrix: Surface Wate # Samples Received: 1

		Date	Date		
Analyses	Quantity	Extracted	Analyzed	Laboratory Method	Analytical Method
Petroleum Hydro. CCME F1 & BTEX in Water (1)	1	N/A	2022/04/28	CAM SOP-00315	CCME PHC-CWS m
Petroleum Hydrocarbons F2-F4 in Water (1, 3)	1	2022/04/28	2022/04/29	CAM SOP-00316	CCME PHC-CWS m
Hardness Total (calculated as CaCO3) (2, 4)	1	N/A	2022/05/03	BBY WI-00033	Auto Calc
Na, K, Ca, Mg, S by CRC ICPMS (total) (2)	1	2022/04/28	2022/05/03	BBY7SOP-00002	EPA 6020B R2 m
Elements by CRC ICPMS (total) (2)	1	2022/04/29	2022/05/02	BBY7SOP-00003/ BBY7SOF -00002	PEPA 6020B R2 m
Total Oil and Grease (1)	1	2022/04/29	2022/04/29	CAM SOP-00326	EPA1664B m,SM5520B m
Low Level Total Suspended Solids (1)	1	2022/04/28	2022/04/29	CAM SOP-00428	SM 23 2540D m

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, MELCC, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

- * RPDs calculated using raw data. The rounding of final results may result in the apparent difference.
- (1) This test was performed by Bureau Veritas Mississauga, 6740 Campobello Rd , Mississauga, ON, L5N 2L8
- (2) This test was performed by Bureau Veritas Burnaby, 4606 Canada Way , Burnaby, BC, V5G 1K5
- (3) All CCME PHC results met required criteria unless otherwise stated in the report. The CWS PHC methods employed by Bureau Veritas conform to all prescribed elements of the



Your P.O. #: OL-1129375 Site Location: MELIADINE

Your C.O.C. #: na

Attention: Reporting

Agnico-Eagle Meliadine Meliadine Mine Rankin Inlet, NU CANADA XOC 0G0

Report Date: 2022/05/03

Report #: R7109823 Version: 2 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C2B2646

Received: 2022/04/28, 09:30

reference method and performance based elements have been validated. All modifications have been validated and proven equivalent following "Alberta Environment's Interpretation of the Reference Method for the Canada-Wide Standard for Petroleum Hydrocarbons in Soil Validation of Performance-Based Alternative Methods September 2003". Documentation is available upon request. Modifications from Reference Method for the Canada-wide Standard for Petroleum Hydrocarbons in Soil-Tier 1 Method: F2/F3/F4 data reported using validated cold solvent extraction instead of Soxhlet extraction.

(4) "Total Hardness" was calculated from Total Ca and Mg concentrations and may be biased high (Hardness, or Dissolved Hardness, calculated from Dissolved Ca and Mg, should be used for compliance if available).

Encryption Key

Katherine Szozda Project Manager 03 May 2022 16:52:50

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

Katherine Szozda, Project Manager

Email: Katherine.Szozda@bureauveritas.com

Phone# (613)274-0573 Ext:7063633

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.



Site Location: MELIADINE Your P.O. #: OL-1129375 Sampler Initials: DM

CCME PHCS, BTEX/F1-F4 (SURFACE WATER)

Bureau Veritas ID		SLX763		
Sampling Date		2022/04/21		
Sampling Date		13:00		
COC Number		na		
	UNITS	M-22-3396	RDL	QC Batch
BTEX & F1 Hydrocarbons				
Benzene	ug/L	<0.20	0.20	7965323
Toluene	ug/L	0.43	0.20	7965323
Ethylbenzene	ug/L	<0.20	0.20	7965323
o-Xylene	ug/L	<0.20	0.20	7965323
p+m-Xylene	ug/L	<0.40	0.40	7965323
Total Xylenes	ug/L	<0.40	0.40	7965323
F1 (C6-C10)	ug/L	26	25	7965323
F1 (C6-C10) - BTEX	ug/L	25	25	7965323
F2-F4 Hydrocarbons	•	-		-
F2 (C10-C16 Hydrocarbons)	ug/L	<100	100	7965503
F3 (C16-C34 Hydrocarbons)	ug/L	280	200	7965503
F4 (C34-C50 Hydrocarbons)	ug/L	<200	200	7965503
Reached Baseline at C50	ug/L	Yes		7965503
Surrogate Recovery (%)				
1,4-Difluorobenzene	%	103		7965323
4-Bromofluorobenzene	%	102		7965323
D10-o-Xylene	%	97		7965323
D4-1,2-Dichloroethane	%	108		7965323
o-Terphenyl	%	99		7965503
RDL = Reportable Detection L	imit			
QC Batch = Quality Control Ba	atch			



Site Location: MELIADINE Your P.O. #: OL-1129375 Sampler Initials: DM

TOTAL ICPMS METALS FOR CCME CEQG FOR SW (SURFACE WATER)

			1	
Bureau Veritas ID		SLX763		
Sampling Date		2022/04/21		
, ,		13:00		
COC Number		na		
	UNITS	M-22-3396	RDL	QC Batch
Metals				
Total Aluminum (AI)	mg/L	0.463	0.0030	7973217
Total Antimony (Sb)	mg/L	<0.00050	0.00050	7973217
Total Arsenic (As)	mg/L	0.0461	0.00010	7973217
Total Barium (Ba)	mg/L	0.0993	0.0010	7973217
Total Beryllium (Be)	mg/L	<0.00010	0.00010	7973217
Total Bismuth (Bi)	mg/L	<0.0010	0.0010	7973217
Total Boron (B)	mg/L	0.102	0.050	7973217
Total Cadmium (Cd)	mg/L	0.000020	0.000010	7973217
Total Chromium (Cr)	mg/L	0.0014	0.0010	7973217
Total Cobalt (Co)	mg/L	0.00062	0.00020	7973217
Total Copper (Cu)	mg/L	0.0120	0.00050	7973217
Total Iron (Fe)	mg/L	1.33	0.010	7973217
Total Lead (Pb)	mg/L	0.00427	0.00020	7973217
Total Lithium (Li)	mg/L	0.119	0.0020	7973217
Total Manganese (Mn)	mg/L	0.0342	0.0010	7973217
Total Molybdenum (Mo)	mg/L	0.0022	0.0010	7973217
Total Nickel (Ni)	mg/L	0.0057	0.0010	7973217
Total Selenium (Se)	mg/L	0.00013	0.00010	7973217
Total Silicon (Si)	mg/L	3.03	0.10	7973217
Total Silver (Ag)	mg/L	0.000036	0.000020	7973217
Total Strontium (Sr)	mg/L	2.20	0.0010	7973217
Total Thallium (TI)	mg/L	0.000076	0.000010	7973217
Total Tin (Sn)	mg/L	<0.0050	0.0050	7973217
Total Titanium (Ti)	mg/L	0.0084	0.0050	7973217
Total Uranium (U)	mg/L	0.00045	0.00010	7973217
Total Vanadium (V)	mg/L	<0.0050	0.0050	7973217
Total Zinc (Zn)	mg/L	0.0509	0.0050	7973217
Total Zirconium (Zr)	mg/L	0.00023	0.00010	7973217
Total Calcium (Ca)	mg/L	187	0.050	7973216
Total Magnesium (Mg)	mg/L	32.2	0.050	7973216
Total Potassium (K)	mg/L	13.8	0.050	7973216
RDL = Reportable Detection	Limit	-	•	•
QC Batch = Quality Control E	Batch			



Site Location: MELIADINE Your P.O. #: OL-1129375 Sampler Initials: DM

TOTAL ICPMS METALS FOR CCME CEQG FOR SW (SURFACE WATER)

Bureau Veritas ID		SLX763						
Sampling Date		2022/04/21 13:00						
COC Number		na						
	UNITS	M-22-3396	RDL	QC Batch				
Total Sodium (Na)	mg/L	72.5	0.050	7973216				
Total Sulphur (S)	mg/L	33.7	3.0	7973216				
Calculated Parameters	•			•				
Total Hardness (CaCO3)	mg/L	600	0.50	7973215				
RDL = Reportable Detection Limit OC Batch = Quality Control Batch								



Site Location: MELIADINE Your P.O. #: OL-1129375 Sampler Initials: DM

RESULTS OF ANALYSES OF SURFACE WATER

Bureau Veritas ID		SLX763						
Sampling Date		2022/04/21 13:00						
COC Number		na						
	UNITS	M-22-3396	RDL	QC Batch				
Inorganics								
Total Suspended Solids	mg/L	38	1	7965077				
Petroleum Hydrocarbons								
Total Oil & Grease	mg/L	0.50	0.50	7966960				
	RDL = Reportable Detection Limit QC Batch = Quality Control Batch							



Site Location: MELIADINE Your P.O. #: OL-1129375 Sampler Initials: DM

TEST SUMMARY

Bureau Veritas ID: SLX763 Sample ID: M-22-3396

Collected: 2022/04/21

Shipped: Received: 2022/04/28 Matrix: Surface Water

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Water	HSGC/MSFD	7965323	N/A	2022/04/28	Anca Ganea
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	7965503	2022/04/28	2022/04/29	Agnieszka Brzuzy-Snopko
Hardness Total (calculated as CaCO3)	CALC	7973215	N/A	2022/05/03	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	7973216	2022/05/03	2022/05/03	Automated Statchk
Elements by CRC ICPMS (total)	ICP/MS	7973217	2022/04/29	2022/05/02	Andrew An
Total Oil and Grease	BAL	7966960	2022/04/29	2022/04/29	Atinder Singh
Low Level Total Suspended Solids	BAL	7965077	2022/04/28	2022/04/29	Shaneil Hall



Site Location: MELIADINE Your P.O. #: OL-1129375 Sampler Initials: DM

GENERAL COMMENTS

Each te	emperature is the a	average of up to th	nree cooler temperatures taken at receipt
	Package 1	12.7°C	
			_
Result	s relate only to the	e items tested.	



QUALITY ASSURANCE REPORT

Agnico-Eagle
Site Location: MELIADINE
Your P.O. #: OL-1129375
Sampler Initials: DM

			Matrix Spike	Spike	SPIKED BLANK	BLANK	Method Blank	Blank	RPD	D	QC Standard	ndard
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	(%) Alne (%)	QC Limits	% Recovery QC Limits	QC Limits
7965323	1,4-Difluorobenzene	2022/04/28	101	70 - 130	100	70 - 130	100	%				
7965323	4-Bromofluorobenzene	2022/04/28	105	70 - 130	102	70 - 130	100	%				
7965323	D10-o-Xylene	2022/04/28	86	70 - 130	96	70 - 130	92	%				
7965323	D4-1,2-Dichloroethane	2022/04/28	111	70 - 130	106	70 - 130	107	%				
7965503	o-Terphenyl	2022/04/29	101	60 - 130	98	60 - 130	86	%				
7965077	Total Suspended Solids	2022/04/29					<1	mg/L	6.9	25	92	85 - 115
7965323	Benzene	2022/04/28	111	50 - 140	107	50 - 140	<0.20	ng/L	NC	30		
7965323	Ethylbenzene	2022/04/28	114	50 - 140	114	50 - 140	<0.20	ng/L	NC	30		
7965323	F1 (C6-C10) - BTEX	2022/04/28					<25	ng/L	ON	30		
7965323	F1 (C6-C10)	2022/04/28	86	60 - 140	97	60 - 140	<25	1/Bn	ЭN	30		
7965323	o-Xylene	2022/04/28	114	50 - 140	112	50 - 140	<0.20	T/Bn	ЭN	30		
7965323	p+m-Xylene	2022/04/28	113	50 - 140	115	50 - 140	<0.40	ng/L	ON	30		
7965323	Toluene	2022/04/28	103	50 - 140	102	50 - 140	<0.20	T/Bn	ЭN	30		
7965323	Total Xylenes	2022/04/28					<0.40	1/Bn	ϽN	30		
7965503	F2 (C10-C16 Hydrocarbons)	2022/04/29	115	60 - 130	108	60 - 130	<100	7/Bn	18	30		
7965503	F3 (C16-C34 Hydrocarbons)	2022/04/29	116	60 - 130	111	60 - 130	<200	1/Bn	ЭN	30		
7965503	F4 (C34-C50 Hydrocarbons)	2022/04/29	116	60 - 130	109	60 - 130	<200	ng/L	NC	30		
7966960	Total Oil & Grease	2022/04/29			99	85 - 115	<0.50	mg/L	1.3	25		
7973217	Total Aluminum (AI)	2022/05/02	66	80 - 120	66	80 - 120	<0.0030	mg/L				
7973217	Total Antimony (Sb)	2022/05/02	102	80 - 120	100	80 - 120	<0.00050	mg/L				
7973217	Total Arsenic (As)	2022/05/02	102	80 - 120	102	80 - 120	<0.00010	mg/L				
7973217	Total Barium (Ba)	2022/05/02	86	80 - 120	97	80 - 120	<0.0010	mg/L				
7973217	Total Beryllium (Be)	2022/05/02	109	80 - 120	107	80 - 120	<0.00010	mg/L				
7973217	Total Bismuth (Bi)	2022/05/02	103	80 - 120	97	80 - 120	<0.0010	mg/L				
7973217	Total Boron (B)	2022/05/02	81	80 - 120	105	80 - 120	<0.050	mg/L				
7973217	Total Cadmium (Cd)	2022/05/02	102	80 - 120	101	80 - 120	<0.000010	mg/L				
7973217	Total Chromium (Cr)	2022/05/02	101	80 - 120	66	80 - 120	<0.0010	mg/L				
7973217	Total Cobalt (Co)	2022/05/02	103	80 - 120	103	80 - 120	<0.00020	mg/L				
7973217	Total Copper (Cu)	2022/05/02	103	80 - 120	99	80 - 120	<0.00050	mg/L				
7973217	Total Iron (Fe)	2022/05/02	105	80 - 120	104	80 - 120	<0.010	mg/L				
7973217	Total Lead (Pb)	2022/05/02	101	80 - 120	100	80 - 120	<0.00020	mg/L				
7973217	Total Lithium (Li)	2022/05/02	116	80 - 120	105	80 - 120	<0.0020	mg/L				



QUALITY ASSURANCE REPORT(CONT'D)

Agnico-Eagle
Site Location: MELIADINE
Your P.O. #: OL-1129375
Sampler Initials: DM

			Matrix Spike	Spike	SPIKED BLANK	BLANK	Method Blank	Slank	RPD		QC Standard	dard
QC Batch	Parameter	Date	% Recovery QC Limits	QC Limits	% Recovery QC Limits	QC Limits	Value	UNITS	Value (%)	QC Limits	QC Limits % Recovery QC Limits	C Limits
7973217	Total Manganese (Mn)	2022/05/02	103	80 - 120	66	80 - 120	<0.0010	mg/L				
7973217	Total Molybdenum (Mo)	2022/05/02	NC	80 - 120	104	80 - 120	<0.0010	mg/L				
7973217	Total Nickel (Ni)	2022/05/02	101	80 - 120	100	80 - 120	<0.0010	mg/L				
7973217	Total Selenium (Se)	2022/05/02	106	80 - 120	106	80 - 120	<0.00010	mg/L				
7973217	Total Silicon (Si)	2022/05/02	NC	80 - 120	107	80 - 120	<0.10	mg/L				
7973217	Total Silver (Ag)	2022/05/02	101	80 - 120	102	80 - 120	<0.000020	mg/L				
7973217	Total Strontium (Sr)	2022/05/02	NC	80 - 120	86	80 - 120	<0.0010	mg/L				
7973217	Total Thallium (TI)	2022/05/02	96	80 - 120	66	80 - 120	<0.000010	mg/L				
7973217	Total Tin (Sn)	2022/05/02	103	80 - 120	102	80 - 120	<0.0050	mg/L				
7973217	Total Titanium (Ti)	2022/05/02	100	80 - 120	101	80 - 120	<0.0050	mg/L				
7973217	Total Uranium (U)	2022/05/02	96	80 - 120	26	80 - 120	<0.00010	mg/L				
7973217	Total Vanadium (V)	2022/05/02	104	80 - 120	100	80 - 120	<0.0050	mg/L				
7973217	Total Zinc (Zn)	2022/05/02	105	80 - 120	101	80 - 120	<0.0050	mg/L				
7973217	Total Zirconium (Zr)	2022/05/02	103	80 - 120	100	80 - 120	<0.00010	mg/L				
Disp+o.	Dunlinder Brisned analysis of a comparts naction of the came cample Head to avaluate the waisned in the measurement	o+ bool olamo	04+ 0+011010		2000	+						

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

QC Standard: A sample of known concentration prepared by an external agency under stringent conditions. Used as an independent check of method accuracy.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).



Site Location: MELIADINE Your P.O. #: OL-1129375 Sampler Initials: DM

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

Cristina Carriere	
Cristina Carriere, Senior Scientific Specialist	_
A ST	_
David Huang, BBY Scientific Specialist	

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applicable regulatory guidelines.

Agnico-Eagle

Site Location: MELIADINE Your P.O. #: OL-1129375 Sampler Initials: DM

Exceedance Summary Table – Metal Mining Effluent Reg Result Exceedances

Sample ID	Bureau Veritas ID	Parameter	Criteria	Result	DL	UNITS
No Exceedances						
The exceedance summar	v table is for information num	oses only and should i	not he considered a compre	hensive listing or	statement of	conformance to





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

REPORT LINE USE ONLY

Α	REPORT DATE: MONTH – DAY -	-YEAR		REPORT 1		XORIGINAL SPILL REPO	ORT.	
$\overline{}$	04-23-2022			18:15		OR	,	REPORT NUMBER
В	04-22-2022			20:00		□ UPDATE # TO THE ORIGINAL SPILL	REPORT	⁷
	LAND USE PERMIT NUMBER (II KVPL11D01	F APPLICABLE)			WATER LICENCE NUMBER 2AM-MEL1631	(IF APPLICABLE)		
D	GEOGRAPHIC PLACE NAME OF Meliadine Gold Pr		I FROM NAMED LO	OCATION	REGION NWT XNUNAVU	JT □ ADJACENT JURIS	SDICTION	OR OCEAN
	LATITUDE DEGREES 63	MINUTES 2	SECONDS 21		LONGITUDE DEGREES 92	MINUTES 13	SE	conds 41
F	RESPONSIBLE PARTY OR VES Agnico Eagle Mine				oress or office locati kin Inlet, Nunav			
G	ANY CONTRACTOR INVOLVED N/A		CONTRACTOR A	DDRESS (OR OFFICE LOCATION			
	PRODUCT SPILLED Thickener Water		QUANTITY IN LIT	TRES, KILO	OGRAMS OR CUBIC METRI	U.N. NUMBER N/A		
H	SECOND PRODUCT SPILLED (I	IF APPLICABLE)	QUANTITY IN LIT	TRES, KILO	OGRAMS OR CUBIC METRE	U.N. NUMBER N/A		
I	SPILL SOURCE Process Plant		SPILL CAUSE Overflow			AREA OF CONTAMIN	NATION IN S	SQUARE METRES
J	FACTORS AFFECTING SPILL O	R RECOVERY	None	ASSISTAN	CE REQUIRED	None	ONS, PROF	PERTY OR EQUIPMENT
K	Pursuant to Part Hinvestigation is collection of spill: Contact informatic Email - brett.fairba	I, Section 8c of thompleted. 63 2'11.5'N 92 13' on: Brett Fairbairi	ie Water Li 35.3"W 1 819-759-3	cense	, a follow-up rep	oort will be issu	-	
L	REPORTED TO SPILL LINE BY Brett Fairbairn	POSITION Env. Coordina	I	EMPLOYE AEM	R	LOCATION CALLING FRO		ELEPHONE 819-759-3555
М	ANY ALTERNATE CONTACT Matt Gillman	POSITION Env. Superint	I	EMPLOYE AEM	R	ALTERNATE CONTACT Meliadine LOCATION		19-355-9493
		•	REPORT LINE	USE ON	LY		<u> </u>	
N	RECEIVED AT SPILL LINE BY	POSITION STATION OPERATOR		EMPLOYE	R	LOCATION CALLED YELLOWKNIFE, NT		EPORT LINE NUMBER 67) 920-8130
LEAD	AGENCY DEC DCCG DG		□ NEB □ TC	SIGNI	FICANCE MINOR MA			S □ OPEN □ CLOSED
AGEN	NCY (CONTACT NAME		CONT	ACT TIME	REMARKS		
LEAD	AGENCY							
FIRS	T SUPPORT AGENCY							
SECO	DND SUPPORT AGENCY							
THIR	D SUPPORT AGENCY							



Follow Up Report: #2022140 April 22nd, 2022 – Thickener Process Water Spill

The following information relates to spill 2022140 reported by Agnico Eagle Mines Limited on April 23rd, 2022, and is being provided in accordance with:

• the Nunavut Water Board License 2AM-MEL1631 Water Licence, part H, item 8c.

Description of Incident

On April 22nd, 2022, a shutdown of the clarifier in the process plant caused process liquids to backup, resulting in an overflow of thickener. 10 cubic meters of thickener process water flowed onto the ground outside of the process plant.

The coordinates of this spill are 63 2'11.5'N, 92 13'35.3"W. No water bodies were impacted by this spill; the closest water body (G2) is approximately 600 m northwest.



Figure 1: Location of the April 22nd, 2022, thickener process water spill.

Spill Response & Cleanup

To immediately stop the spill; the process was stopped and the manual valve to the Clarifier Feed Tank was opened to stop flow into the thickener.

The topography of the area and the freezing conditions caused the thickener process water to pool and freeze on the west side of process road. A loader and haul truck were used to cleanup the material. All material collected was placed in the process plant where it will melt and be returned to the process plant system.



Figure 2: Thickener process water spill cleanup



Figure 3: Thickener process water spill material disposal location

Cause of Incident and Corrective Measures

The investigation into the cause of the release identified as human error. The manual valve that allows water to be discharged into our Clarifier Feed Tank was not put in the open position. This sent a surge of water to the thickener causing the spill.

The following corrective measures have been implemented:

- The manual discharge valve feeding the Clarifier Feed Tank was replaced with an auto valve with interlocks. The interlocks will ensure the valve moves to the open position when 1 or more clarifier feed valves are closed. This will prevent a surge of water from reaching the thickener.
- The thickener flow procedure has been reviewed with the Control Room Operator and Process Operators.

In addition to the above-mentioned completed corrective measures, the construction of a containment berm is scheduled for summer 2022.



Brett Fairbairn | Environment Coordinator brett.fairbairn@agnicoeagle.com | Direct 819.759.3555 x4603996 | Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0

Sent from Meliadine





REPORT DATE: MONTH - DAY - YEAR

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

REPORT TIME

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 04-24-2022	′-YEAR		REPORT TIME 15:30	▼	ORIGINAL SPILL REPOR	RT,	REPORT NUMBER
В	OCCURRENCE DATE: MONTH	I – DAY – YEAR		03:30		UPDATE # THE ORIGINAL SPILL R	REPORT	-
С	LAND USE PERMIT NUMBER KVPL11D01	,		2AM-MI	EL1631	APPLICABLE)		
D	Meliadine Gold P	OR DISTANCE AND DIRECTION roject	N FROM NAMED LO	□ NWT	X NUNAVUT	☐ ADJACENT JURISI	DICTION O	R OCEAN
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G	ANY CONTRACTOR INVOLVED N/A)	N/A	ODRESS OR OFFICE L	OCATION			
	PRODUCT SPILLED Untreated Sewag		200 Liters	RES, KILOGRAMS OR	CUBIC METRES	U.N. NUMBER N/A		
Η	SECOND PRODUCT SPILLED N/A	(IF APPLICABLE)	QUANTITY IN LITE	RES, KILOGRAMS OR	CUBIC METRES	U.N. NUMBER		
Ι	SPILL SOURCE MSB Lift Station		SPILL CAUSE Overflow			AREA OF CONTAMINA	ATION IN SO	QUARE METRES
J	FACTORS AFFECTING SPILL (OR RECOVERY	DESCRIBE ANY A	SSISTANCE REQUIRE	D	N/A	NS, PROPE	RTY OR EQUIPMENT
K	The coordinates spill. The nearest Pursuant to Part investigation is c	t Fairbairn Enviro	2' 21.21''N, dy (G2) is 32 r license 2A	25 m north. \M-MEL1631,	a follow u	p report will be	-	
L	REPORTED TO SPILL LINE BY Brett Fairbarin							
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	ANY ALTERNATE CONTACT Matt Gillman		ator .		N AL		8 ALT	
		Env. Coordinate Position	ator .	AEM EMPLOYER AEM	N AL	TERNATE CONTACT	8 ALT	19-759-3555 TERNATE TELEPHONE
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Follow Up Report: #2022143 April 24th, 2022 – 200 L Sewage

The following information refers to incident #2022143 reported by Agnico Eagle Mines Limited April 24th, 2022, and is being provided in accordance with:

the Nunavut Water Board License 2AM-MEL1631 Water License, Part H, Item 8c.

Description of Incident

At approximately 03:30 on April 24th, 2022, 200 L of sewage was spilled at the Multi Service Building (MSB) lift station when the lift station pump failed.

The coordinates of this spill are 63° 2′ 21"N, 92° 13' 40"W. No water bodies were impacted by this spill. The closest waterbody (G2) is approximately 325 m north.



Figure 1: Location of the MSB lift station spill

Spill Response & Cleanup

The spill was contained to a low area behind the MSB lift station. The freezing conditions prevented the sewage from migrating off site. Infrastructure (structural steel, pipes and electrical) in the area made cleanup activities during winter month hazardous. As the material melts the vacuum truck will collect the melted material. The contaminated matrilateral collected with the vacuum truck will be returned to the MSB lift station.

Cause of Incident and Corrective Measures

As the lift station reached the high-level pump #2 tripped. The backup pump did not start as the selector switch was set to Pump #2. This allowed the lift station to overflow releasing 200 L of sewage to the ground.

The following corrective measures have been implemented:

- the pump overload limits were increased to prevent the pump from early tripping;
- the float control system was adjusted to start the pump earlier;
- the pump selector was verified to ensure it is functioning properly and the selector was set to the alternate position during normal operations (this will allow pump #1 to start should pump #2 fail).

In addition to the above-mentioned completed corrective measures, Agnico Eagle Mines Limited has retained a consultant to complete an evaluation of the site lift stations.



Brett Fairbairn | Environment Coordinator brett.fairbairn@agnicoeagle.com | Direct 819.759.3555 x4603996 | Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0

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REPORT DATE: MONTH - DAY - YEAR

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

REPORT TIME

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 - 04-26-2022	– YEAR	15:3	RT TIME 30	▼ORIGINAL SPILL REP	PORT, REPORT NUMBER						
В	OCCURRENCE DATE: MONTH-04-25-2022	– DAY – YEAR	16:3	RRENCE TIME	UPDATE #TO THE ORIGINAL SPILL	L REPORT						
С	LAND USE PERMIT NUMBER (I	IF APPLICABLE)	·	water licence numbe 2AM-MEL1631								
D	GEOGRAPHIC PLACE NAME O Meliadine Gold Pr		N FROM NAMED LOCATIC	□ NWT X NUNA	/UT □ ADJACENT JUR	RISDICTION OR OCEAN						
Е		MINUTES 2	SECONDS 21	DEGREES 92	MINUTES 13	SECONDS 41						
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G	ANY CONTRACTOR INVOLVED N/A)	CONTRACTOR ADDRES	SS OR OFFICE LOCATION								
Н	PRODUCT SPILLED Untreated Sewage		QUANTITY IN LITRES, F	(ILOGRAMS OR CUBIC MET	RES U.N. NUMBER N/A							
П	SECOND PRODUCT SPILLED ((IF APPLICABLE)	QUANTITY IN LITRES, N	(ILOGRAMS OR CUBIC MET	RES U.N. NUMBER N/A							
I	SPILL SOURCE MSB Lift Station		SPILL CAUSE Equipment Fa	ailure	10	INATION IN SQUARE METRES						
J	FACTORS AFFECTING SPILL O	DR RECOVERY	DESCRIBE ANY ASSIST	ANCE REQUIRED	HAZARDS TO PERS	SONS, PROPERTY OR EQUIPMENT						
K	The coordinates of spill. The nearest	tained to the loca or treatment at a loof of the spill are 63° natural water boo H, Item 8c of wate ompleted. t Fairbairn Environ gnicoeagle.com.	l area and froze later date. 2' 21.21''N, 92' dy (G2) is 325 n r license 2AM-l	e in place. The from	ozen sewage wanter bodies were w up report will 5 ext. 4603996	e impacted by this be issued after the						
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M	ANY ALTERNATE CONTACT Matt Gillman	POSITION Interim Env. S	Supt. AEN		ALTERNATE CONTACT Meliadine LOCATION	819-355-9493						
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Follow Up Report: #2022148 April 25th, 2022 – 25 L Sewage

The following information refers to an incident #2022148 reported by Agnico Eagle Mines Limited April 26th, 2022, and is being provided in accordance with:

the Nunavut Water Board License 2AM-MEL1631 Water License, Part H, Item 8c.

Description of Incident

At approximately 16:30 on April 25th, 2022, 25 L of sewage was spilled at the Multi Service Building (MSB) lift station when a CamLock connector failed.

The coordinates of this spill are 63° 2′ 21"N, 92° 13' 40"W. No water bodies were impacted by this spill. The closest water body (G2) is approximately 325 m north.

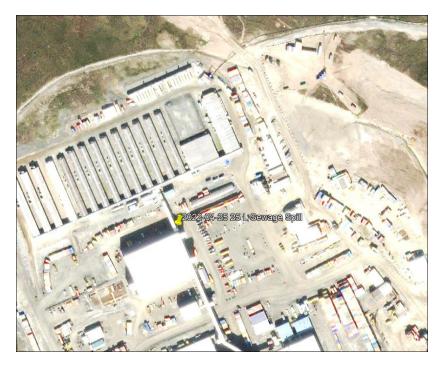


Figure 1: Location of the MSB lift station spill

Spill Response & Cleanup

The spill was contained to Lift station building and the local aera. The freezing conditions prevented the sewage from migrating, facilitating spill recovery. Frozen contaminated material was in an open area allowing the material to collected with a loader and placed in a drum and disposed of after the frozen material has melted.



Figure 2: MSB lift station spill cleanup

Cause of Incident and Corrective Measures

While transferring the content of the vacuum truck into the MSB lift station, the operator inadvertently used a broken CamLock connector to connect the hose to the lift station. The sewage vacuum hose became dislodged releasing sewage inside the MSB lift station and to the ground outside the life station.

The following corrective measures have been implemented:

- the defective CamLock fitting was replaced;
- a threaded coupler that has less tendency to fail as there are no movable latches has been ordered and will replace the current latching style of CamLock fitting when they arrive;
- whip check cables have been installed to reduce hose movement during sewage transfer.

In addition to the above-mentioned completed corrective measures, Agnico Eagle Mines Limited has retained a consultant to complete an evaluation of the site lift stations.



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OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

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Α	REPORT DATE: MONTH – DAY 05-04-2022	′-YEAR						ORIGINAL SPILL REP	REPORT NUMBER		
В	OCCURRENCE DATE: MONTH	I – DAY – YEAF	3	OCCURF		CE TIME		H UPDATE # O THE ORIGINAL SPIL	L REPORT		
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	PRODUCT SPILLED Drilling Recircula	ition Wa	I	,	OGF	RAMS OR CUBIC ME	TRES	U.N. NUMBER			
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I	SPILL SOURCE Recirculation Tar	nk	SPILL CAUSE Groundw	vater V	⁄ei	n Intersectio	n	AREA OF CONTAM 10 m2	SQUARE METRES		
J	FACTORS AFFECTING SPILL (y DESCRIBE ANY N/A	SCRIBE ANY ASSISTANCE REQUIRED				HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT N/A				
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L	REPORTED TO SPILL LINE BY Randy Schwandt		on . Coordinator	EMPLOY AEM	ER			ocation calling fr Meliadine		ELEPHONE 819-759-3555	
M	ANY ALTERNATE CONTACT Matt Gillman	POSITION		EMPLOY AEM	ER		AL	TERNATE CONTACT Meliadine CATION	A	ALTERNATE TELEPHONE 819-759-3555	
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Follow Up Report: #2022164 May 4th, 2022,



75 L Drilling Recirculation Water on Waterbody B38

The following information relates to spill #2022164 reported by Agnico Eagle Mines Limited on May 4th, 2022, and is being provided in accordance with:

- the Nunavut Water Board License 2BB-MEL1424 Water Licence, part H, item 4c
- the Fisheries Act subsection 38(7)

Description of Incident:

On May 4th, 2022, during an environmental inspection of the Orbit Garant drill rigs located on waterbody B38, a worker identified that 75 L of drilling recirculation water had overflowed from the decantation tank to the surface of the ice.

The coordinates of the spill are: 63° 0′ 26" N, 92°12' 35"W, which is on waterbody B38.



Figure 1: Drilling recirculation water spill location

Spill Response & Cleanup:

At the time of inspection, the decantation tank was no longer overflowing, and drilling recirculation water was no longer spilling onto the ice. The cleanup of the spill was completed as part of the final site cleanup as all drilling operations were complete at the site. During the drill site cleanup all impacted snow and ice was removed and sent to the drill cuttings disposal area with the remaining drill cuttings.



Figure 2: Spill location prior to clean-up. A post clean-up photo is not available. The corrective measures to follow to address this discrepancy are in the updated procedure EXP-ENV-001 as outlined below.

Cause of Incident and Corrective Measures

The release was a result of a natural cause as the borehole intersected a water vein, which caused an excess of water in the recirculation system (more water was coming out of the hole then being used for regular drilling operations). The decantation tank overflowed releasing recirculation water onto the surface of the ice. Orbit Garant stopped the flow of fresh water into the decantation tank immediately after the overflow was observed.

With respect to corrective measures, the procedure titled "EXP-ENV-001 Brief summary for Environmental compliance during exploration activities" has been updated to included further details on when and how the spring inspection and clean-up of previous drill sites and pump shack setups will be performed. Every inspection will be compiled in a folder accessible to Environment Department, with maps and pictures attached. The following reviews some key components of the updated procedure.

Updated Procedure EXP-ENV-001:

After the exploration activities:

- Remove the casings. Where drill casings cannot be removed, cut off the casings at ground level.
- ✓ Should a casing have to stay on site (land-based drilling only), note the coordinates and add signaling to keep the area safe. The drill casings that are left cannot stay on the field for more than 2 years after the drilling.
- ✓ Inspect each drilling site, remove all waste or material remaining and take pictures.
- ✓ If drilling on ice, take the final water samples according to the water Licence and associated procedure.

Overall spring clean-up, inspection, and final validation:

During the winter, drilling waste or materials can be covered up by wind, blizzards, or snow accumulation. A spring inspection is therefore of importance in addition to the post-drilling inspection conducted in the winter. At Agnico

Eagle Nunavut projects, a clean-up of the drilling sites is conducted every spring season (since 2008) upon snow melt. This practice was carried out even though it was not yet documented in a procedure. Agnico Eagle is proposing the following procedure items for the spring inspection and clean-up moving forward:

- ✓ Every week following the drilling campaign completion, a technician will perform a visual observation of the lake to determine if the snow melt is advanced enough to conduct the clean-up activities of material previously hidden under the snow.
- ✓ As soon as materials are observed, once every 1-3 days (depending on the weather and snow melt rate) a team will walk to every drilling setup and pick up all the remaining material. If the lake shore is accessible, they may access the lake by foot, if not then a helicopter can be used. Workers are required to wear floating PPE and always have visual contact with each other. Each worker will have a radio and make frequent radio checks with a supervisor on site. The working on ice procedure will be followed. All material is to be removed from the lake in a timely matter.
- ✓ If any petroleum hydrocarbons are observed, the quantity and nature of product will be assessed a picture will be taken and the Environment team will be contacted. Matting and other absorbents will be applied, and a GPS point taken and noted.
- ✓ A 10-foot pole with hook will be used to grab materials close to an open water hole. These holes are not to be approached closer than 6 feet by the workers, as the ice can be thinner around it.
- ✓ A map with the tracking of the areas covered by the team, with the location of all pump shacks and drill holes from the current season, will be created. All major findings and any spills observed will be noted on this map, with the date and the name of the project responsible on the field. The map will be provided to the environment team and attached in appendix of the weekly geology report. If some sectors were not accessible anymore due to health and safety considerations, they also will be noted. Drone photos taken on the lake of the old drilling setups will be attached to the environmental inspection compilation file with the map.



Randy Schwandt | Environment Coordinator randy.schwandt@agnicoeagle.com | Direct 819.759.3555 x4603996 | Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0

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NT-NU SPILL REPORT

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Α	REPORT DATE: MONTH – DAY - 05-09-2022	-YEAR		ORT TIM	ИE	-	CORIGINAL SPILL REF	PORT,	REPORT NUMBER		
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G	ANY CONTRACTOR INVOLVED N/A		CONTRACTOR ADDR	RESS OF	R OFFICE LOCATION	N					
	PRODUCT SPILLED Saline water		QUANTITY IN LITRES	S, KILOG	RAMS OR CUBIC N	METRES	U.N. NUMBER				
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I	SPILL SOURCE Damaged pipe		SPILL CAUSE Grader pass		AREA OF CONTAM	INATION IN S	SQUARE METRES				
J	FACTORS AFFECTING SPILL O	R RECOVERY	DESCRIBE ANY ASSISTANCE REQUIRED None			HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT None					
K	north of Tiriganiac by a grader where Location of spill: 6 No water bodies w Pursuant to Part H investigation is co Reported by Sara	it passes under to the state of	the haul road ' 2" W e closest wat ne Water Lice	's su er bo nse,	rface. dy (J6) is a a follow-up	ppro repo	eximately 500 ort will be iss	m away	y (SW).		
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Follow Up Report: #2022171 May 8th, 2022 Saline Water Spill



The following information refers to spill 2022171 reported by Agnico Eagle Mines Ltd. May 8th, 2022, and is being provided in accordance with:

• the Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c

Description of Incident:

On May 8th, 2022 a water pump was turned on to pump saline water from one saline pond to another; from Saline Pond 1 to Tiriganiaq Pit 2. Shortly after, the Environment Department was informed that water was observed coming up from the Haul road north of Tiriganiaq Pit 2. Upon investigation, it was found that the pipe that transports the saline water had been broken; the pump at Saline Pond 1 was immediately turned off to stop the flow of saline water. It is estimated that a cumulative volume of approximately 800 L of saline water was discharged onto the Haul Road. Based on local topography, the runoff of this saline water will have entered Tiriganiaq Pit 2 (a saline pond) during the snowmelt period. The spill occurred due to a damaged pipe that had been struck by a grader when it was conducting routine maintenance of the Haul Road. Due to repeated grading activities on the road, enough material was removed to expose the pipe which resulted in the damage.

No water bodies were impacted by this spill. The closest natural water body, lake A38, is approximately 500 m from the spill location. The coordinates of the spill are 63° 1'30.56"N, 92°12'4.54"W.



Figure 1: Location of saline water spill on the haul road north of Tiriganiag pit 2.



Figure 2 and 3: Damaged pipe which saline water flowed out of (left) and repairs made the same day (right).

Spill Response & Clean-up:

Due to the local topography and the location in which the spill occurred being in the catchment of Tiriganiaq Pit 2 (a saline pond), the water will eventually report to the original destination of the pumping activities (Tiriganiaq Pit 2). Snowmelt and rainfall in the area will direct any residual to the saline water management system (Tiriganiaq Pit 2).

Corrective Measures:

Repairs were completed on the same day of the incident to prevent any future saline water spillage. The pipe was buried deeper under the Haul Road and additional material was placed on top of the pipe to ensure that grading operations would not expose the pipe again in the future. Locations of other buried pipes were inspected following this incident to ensure that similar accidents would not occur. Preventative maintenance will be performed to ensure the all pipes are adequately buried.

Weekly inspections by the Water management team will be completed which will include photo documentation of areas susceptible to future cracks. Any future cracks will be repaired immediately upon detection. As per usual site protocols, water movement pipes such as this will continue to be visually inspected carefully during start-up of pumping activities.



Randy Schwandt | Environment Coordinator randy.schwandt@agnicoeagle.com | Direct 819.759.3555 x4603996 | Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0











Canada NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

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Α	REPORT DATE: MONTH – DAY – Y	EAR		REPORT TIME				▼ORIGINAL SPILL REPORT,		
	30 00 2022			11:45			OR		REPORT NUMBER	
В	05-08-2022	AY - YEAH		15:45	ENCE TIME		TO THE ORIGINAL SPIL	L REPORT	<u> </u>	
С	LAND USE PERMIT NUMBER (IF A	APPLICABLE)			WATER LICENCE 2AM-MEL		(IF APPLICABLE)			
D	GEOGRAPHIC PLACE NAME OR I		N FROM NAMED L	OCATION	REGION	X NUNAVU	JT □ ADJACENT JUI	RISDICTION	OR OCEAN	
_	LATITUDE				LONGITUDE					
Е		INUTES 2	SECONDS 21		DEGREES 92		MINUTES 13	SE	ECONDS 41	
F	RESPONSIBLE PARTY OR VESSE Agnico Eagle Mines				bress or offic kin Inlet, N		ut, X0C 0G0			
G	ANY CONTRACTOR INVOLVED N/A		N/A	ADDRESS	OR OFFICE LOC	ATION				
	PRODUCT SPILLED Total Suspended Se	olids (TSS)	QUANTITY IN LIT	-,	OGRAMS OR CU	BIC METRE	U.N. NUMBER N/A			
Н	SECOND PRODUCT SPILLED (IF A	APPLICABLE)	QUANTITY IN LI	TRES, KILO	OGRAMS OR CU	BIC METRE	U.N. NUMBER N/A			
	SPILL SOURCE Runoff Water		SPILL CAUSE Freshet				AREA OF CONTAIN Unknown	INATION IN	SQUARE METRES	
J	FACTORS AFFECTING SPILL OR I	RECOVERY	DESCRIBE ANY None					HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT None		
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Follow Up Report: #2022172 May 8th, 2022 – MEL-SR16 Surface Water Runoff



The following information refers to a potential incident reported by Agnico Eagle Mines Ltd. on May 8th, 2022, and is being provided in accordance with:

- the Nunavut Water Board License 2AM-MEL1631 Water License, Part H, item 8c
- the Government of Nunavut's, Environmental Protection Act subsection 5.1(a)

Description of Incident:

While conducting a routine inspection on May 8th, 2022, surface runoff water was observed at sampling station MEL-SR16 located on the south side of the Exploration Camp Road. Straw logs and wood chip logs were deployed to mitigate the transport of sediment further downstream.

A sample was collected for laboratory analysis to assess water quality as per Part D Item 18 of the 2AM-MEL1631 Amended Licence. Turbidity field readings were also taken. Upon visual inspection of the area and after completing sampling, Agnico Eagle decided not to wait for external results and report the event immediately as due diligence as a possible TSS exceedance of criteria listed under Part D Item 18 of the 2AM-MEL1631 Amended Licence. Laboratory results were received on May 25th and a concentration of 110 mg/L TSS was measured, confirming an exceedance of the allowable monthly mean concentration and maximum concentration of a grab sample for TSS as listed under Part D Item 18 of the 2AM-MEL1631 Amended Licence.

The coordinate of MEL-SR16 is "63 01'22.3" 92 11'21.5". The closest water body (J5) is approximately 180m southeast.



Figure 1: Sample location MEL-SR16

Root Cause and Response

Sampling station MEL-SR16 is located downstream the Exploration Camp Road. The flow path of surface water runoff is from the north side of the road, running south over the road. Runoff across the road and the associated entrainment of sediment is the expected cause of the TSS exceedance.

The Hydrogeology specialist who carried out the sampling on May 8th, 2022, made the following observations:

- The water flowing at MEL-SR16 appeared turbid
- The flow was of low volume

In response to these observations, the following actions were taken:

- Turbidity measurements were taken to confirm visual observations
- A MEL-SR sample was taken as per the 2AM-MEL1631 Water Licence
- Straw logs and wood chip logs were installed on both sides of the road to filter out entrained sediment and to minimize flow velocity to encourage decantation of sediment from the flowing water
- The potential exceedance of Part D Item 18 of the 2AM-MEL1631 Amended Licence was reported as due diligence within 24 hours of the observation



Figure 2-3: During the event and after the event

Corrective Measures

To mitigate the risk of a reoccurrence, all surface runoff in the area is being closely monitored during routine inspections and following heavy rainfall events to ensure that appropriate sediment controls (e.g., straw logs, wood chip logs) are in place to minimize TSS transport.

Furthermore, water from the upstream area ponded area on site (Figure 2) is being collected via water truck as feasible and moved to the Containment Pond 2 (CP2) or Containment Pond 5 (CP5). The purpose of this activity is to minimize the likelihood of water running across the road during heavy rainfall events.

Agnico Eagle will be exploring longer term solutions if a risk of runoff to the environment persists in this area.





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Α	REPORT DATE: MONTH – DAY – YEAR 05-12-2022				6'30			IX ○ OR	ORIGINAL SPILL F	REPORT,	REPORT NUMBER	
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С	LAND USE PERMIT NUMBER ((IF AP	PLICABLE)					CE NUMBEF L1631	R (IF	APPLICABLE)		
D	GEOGRAPHIC PLACE NAME OF Meliadine Gold Pr			FROM NAMED LOCATION REGION □ NWT ■ NUNAVUT				UT	☐ ADJACENT JURISDICTION OR OCEAN			
Е	LATITUDE DEGREES 63	MIN	JTES 2	SECONDS 21 LONGITUDE DEGREES 92				MINUTES	13	SECONDS 41		
F	RESPONSIBLE PARTY OR VES			RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION Meliadine, Rankin Inlet, Nunavut, X0C 0G0								
G	ANY CONTRACTOR INVOLVED N/A)		CONTRACTOR ADDRESS OR OFFICE LOCATION N/A								
	PRODUCT SPILLED Untreated Sewage	е		QUANTITY IN LI		LOGR	AMS OR C	CUBIC METR	RES	U.N. NUMBER		
Н	SECOND PRODUCT SPILLED	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES N/A					U.N. NUMBER					
Ι	SPILL SOURCE MSB Lift Station	SPILL CAUSE Equipme	nt Fa	ilur	е			AREA OF CONT	TAMINATION II	I SQUARE METRES		
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K	The coordinates of this spill. The near Pursuant to Part I investigation is concepted by Brett.Fairbairn@a	of the res H, It om	ne spill are 63° it natural water sem 8c of water pleted.	2' 22.93''N body (G2 · license 2	N, 92º) is 37 AM-M	13' 70 n IEL	32.66' n norti 1631, a	'W. No h. a follow	wa wa	nter bodies p report w	s were in	npacted by
L	REPORTED TO SPILL LINE BY Brett Fairbarin	,	POSITION Env. Coordina	itor	AEM					CATION CALLING leliadine	FROM	TELEPHONE 819-759-3555
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Follow Up Report: #2022180 May 11th, 2022 – 15 L Sewage



The following information refers to incident #2022180 reported by Agnico Eagle Mines Limited May 12th, 2022, and is being provided in accordance with:

• the Nunavut Water Board License 2AM-MEL1631 Water License, Part H, Item 8c.

Description of Incident

At approximately 11:30 on May 11th, 2022, the C wing lift station overflowed resulting in a 15 L of sewage spill to the industrial pad.

The coordinates of this spill are 63° 2′ 22.93"N, 92° 13′ 32.66"W. No water bodies were impacted by this spill. The closest water body (G2) is approximately 370 m north.



Figure 1: Location of the C wing lift station spill

Spill Response & Cleanup

The spill was contained to the lift station building and the local area. The STP operator immediately installed a bucket underneath the location of the spill to contain the material. All of the material was removed with the vacuum truck and discharged back in the lift station.



Figure 2: C wing lift station spill and cleanup

Cause of Incident and Corrective Measures

The release was a result of human error as the STP operator did not empty the C wing lift station resulting in an overflow.

This lift station was added to the check list as a reminder. After further investigating into this incident, the discharge valve was observed to be open, which caused the overflow to spill outside of the lift station. The valve is now closed when the lift station is not discharging. In the event the lift station overflows in the future, all of the sewage will be contained within the building.



Brett Fairbairn | Environment Coordinator brett.fairbairn@agnicoeagle.com | Direct 819.759.3555 x4603996 | Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0

Sent from Meliadine





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Α	05-17-2022	′-YEAR		20:00		X OF	ORIGINAL SPILL REPORT,	REPORT NUMBER			
В	OCCURRENCE DATE: MONTH	I – DAY – YEAR		OCCURRE Unkn	ENCE TIME		UPDATE # THE ORIGINAL SPILL REPOR				
С	LAND USE PERMIT NUMBER KVPL11D01	(IF APPLICABLE)		I	WATER LICENCE NUM 2BB-MEL142	,	APPLICABLE)				
D	GEOGRAPHIC PLACE NAME OF Meliadine Gold P		ION FROM NAMED LO	OCATION	REGION □ NWT X NUM	NAVUT	☐ ADJACENT JURISDICTIO	N OR OCEAN			
Ε	LATITUDE DEGREES 63	MINUTES 2	seconds 21	DEGREES 92 MINUTES 13 SECONDS 41							
F	RESPONSIBLE PARTY OR VE Agnico Eagle Mir			sible party address or office location dine, Rankin Inlet, Nunavut, X0C 0G0							
G	ANY CONTRACTOR INVOLVED Orbit Garant	D		OR ADDRESS OR OFFICE LOCATION Or, Quebec							
	PRODUCT SPILLED Various Substance	ces	QUANTITY IN LIT	,	OGRAMS OR CUBIC M	U.N. NUMBER N/A					
Н	SECOND PRODUCT SPILLED N/A	(IF APPLICABLE)	QUANTITY IN LIT	TRES, KILC	OGRAMS OR CUBIC M	U.N. NUMBER					
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J	FACTORS AFFECTING SPILL (DESCRIBE ANY N/A	ASSISTAN	CE REQUIRED		HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT N/A					
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Follow Up Report: #2022188 May 17th, 2022 A8 Post Drilling



The following information refers to a spill reported by Agnico Eagle Mines Limited (AEM) on May 17th, 2022, and is being provided in accordance with:

- the Nunavut Water Board License 2BB-MEL1424 Water License, part H, item 4c;
- the Fisheries Act subsection 38(7).

Description of the Incident:

On May 13th, 2022, at approximately 14:00, Crown-Indigenous Relations and Northern Affairs Canada (CIRNAC) arrived on the lake A8 to perform a post-drilling site inspection. The inspection was conducted with AEM employees. During the inspection, the following observations were made and reported by CIRNAC in their Water Licence Inspection Report dated May 16, 2022:

- grey material, suspected to be drill cuttings were observed on the ice surface of lake A8;
- some pools of water within the piles of snow on the surface of the ice containing unknown materials;
- the smell of hydrocarbons was present in some locations; and
- oily rags, garbage and wood debris were found on the surface of the ice.



Figure 1: Lake A8 Spills locations

Spill Response & Clean-up:

After the inspection, Orbit Garant and AEM's Exploration Geology and Environment Departments began a collaborative effort to clean up lake A8 and the shore of lake A8 on a regular basis (up to daily; Table 1), pending conditions were safe to proceed. The clean-up efforts began on May 14th, 2022 and were completed on June 5th, 2022. Each clean-up activity is documented in Table 1.

Some materials were frozen in place and couldn't be removed safely such as freshwater lines and an ice auger flight. These items were identified with buoys and GPS locations and will be removed by helicopter when safe to do so during the ice-free season.



Figure 2: Drilling debris clean-up from clean-up efforts on May 29th, 2022

On May 18th, 2022, CIRNAC returned to lake A8 with Environment and Climate Change Canada (ECCC) to conduct sampling of ponded water on the lake ice at four sampling locations (Figure 3). AEM also took samples at these locations, for which analytical results have been included in Appendix A. As seen in Appendix A, all four samples collected were reported as not acutely toxic (passed LC50 tests).



Figure 3: CIRNAC lake A8 sampling locations

Table 1 – Clean-up activities from May 14th to June 5th

Date	Time	Lake	Material collected	LAT	LONG	Photos	Photo#	Comments
5/14/2022	8:30	A8	Trash collected and oil pads deployed			No		
5/15/2022	17:00	A8	Trash piled to be collected			Y	2022-05-16 Drilling A8	Trash piles to be collected
5/17/2022	8:30	A8/tundra	Trash collected and oil pads deployed			No		
5/18/2022	8:30	A8	Trash clean up A8			No		Trash clean up throughout A8
5/20/2022		A8	Trash collected and oil pads deployed			No		
5/24/2022		A8	Recovered drill cutting mud			Yes	2020504-01 to 03	Photos from helicopter (before and after clean up)
5/26/2022	14:50	A8	Solvent	540311	6986823	Yes	20220526-01	40 L water/solvent mixture collected and removed
5/26/2022	15:15	A8	Oil	540307	6986735	Yes	20220526-02	JD/AB deployed absorbent rags and collected all visible oil
5/27/2022	2:30	A8	Wood	540371	698651	Yes	1	Along shoreline; A8 is no longer safely accessible
5/27/2022	2:45	A8	Wood/Picket	540371	698651	Yes	2	Along shoreline; A8 is no longer safely accessible
5/27/2022	3:00	A8	Water hose	540371	698651	Yes	3	Along shoreline; A8 is no longer safely accessible
5/27/2022	3:15	A8	Wood	540371	698651	Yes	4	Along shoreline; A8 is no longer safely accessible
5/29/2022	17:00	A8	Various materials	540456	6986680	Yes	20220529-01	Env. team cleaned the southern shoreline of debris
5/29/2022	17:45	A8	Oil	540456	6986680	Yes	20220529-02	Minimal amount of oil observed 40 m away from A8 south side- spill rags were deployed
5/31/2022	8:00	A8	Wood debris	540323	6986685	Yes	20220531-01	Picked up wood debris along the south west side of A8
5/31/2022	8:00	A8	Plastic	540323	6986685	Yes	20220531-02	Picked up plastic debris along the south west side of A8
5/31/2022	8:00	A8	Metal frame	540599	6986536	Yes	20220531-03	Small yellow metal drill rig step on the tundra but frozen in ice to be retrieved
6/3/2022	8:50	A8	Insulation material, plastic	539007	6990178	Yes	0775/0776	Cleaned
6/3/2022	9:00	A8	Insulation material	541214	6986949	Yes	777	Cleaned
6/3/2022	9:10	A8	Bubble wrap	541138	6987033	Yes	778	Cleaned
6/3/2022	9:20	A8	Rice bag	541110	6987093	Yes	779	Cleaned
6/3/2022	9:30	A8	Bulk bag	541074	6987118	Yes	780	Stuck in the ice to be retrieved
6/3/2022	9:40	A8	Salt plastic bag	541054	6987119	Yes	781	Stuck in the ice to be retrieved
6/3/2022	9:55	A8	Plastic bag	540996	6987143	Yes	782	Cleaned
6/3/2022	10:05	A8	Insulation material, plastic bag	540859	6987276	Yes	783	Cleaned
6/5/2022	16:30	A8	General A8 clean-up			Yes	Photos in file folder	Map created

Cause of the Incident and Corrective Measures:

The cause of the event has been attributed to a combination of three factors. Firstly, insufficient follow-up with training and implementation of drilling on ice procedures due to crew reorganizations/shortages as a result of the covid-19 pandemic. Secondly, a high magnitude of snow deposition and drifting in the area which buried the material out-of-site during drill activities. Thirdly, an earlier than expected snowmelt period which inhibited completion of a sufficient post-drilling on ice season clean-up prior to the progression of the 2022 snowmelt period.

As previously explained, a thorough clean-up campaign was implemented on lake A8 to remove debris and substances related to drilling activities (hydrocarbons, suspected drill cuttings, solvent mixture) in the area. The efforts are summarized in Table 1.

In a Letter of Intent date April 28th, 2022 addressed to AEM and shared with CIRNAC and ECCC, Orbit Garant committed to several actions to mitigate spill occurrences during the next drilling on ice season, at various levels of their operations (training, procedures, engineered controls, data collection methodology, etc.).

Furthermore, during a meeting held May 17, 2022, AEM, Orbit Garant, CIRNAC and ECCC discussed the observations made during the May 13th CINRAC inspection and identified corrective measures aimed to prevent the occurrence of similar events in the future. In this meeting, AEM and Orbit Garant further committed to the development and implementation of a comprehensive exploration drilling action plan prior to the start of next season's winter drilling.

AEM will submit the comprehensive exploration drilling action plan, prior to start of the next winter drilling season, to the Nunavut Water Board and the Inspector, as well as to ECCC, as agreed with CIRNAC and ECCC.

Appendix A



AquaTox Testing & Consulting Inc. B-11 Nicholas Beaver Road Puslinch, ON NOB 2J0 Tel. (519) 763-4412 Fax. (519) 763-4419

TOXICITY TEST REPORT

Daphnia magna EPS 1/RM/14 Page 1 of 2

Work Order: 248470 Sample Number: 72774

SAMPLE IDENTIFICATION

Company: Agnico Eagle Mines Limited - Meliadine Project Sample Date: 2022-05-18 Location: Rankin Inlet NU Time Collected: 19:10 Substance: Date Received: Site 1 2022-05-25 Sampling Method: Grab Time Received: 10:10 Sampled By: RL/DM/BF Temperature at Receipt: 19 °C Date Tested: Sample Description: Clear, grey. 2022-05-25

Test Method: Reference Method for Determining Acute Lethality of Effluents to Daphnia magna. Environment

Canada EPS 1/RM/14 (Second Edition, December 2000, with February 2016 amendments).

		48-HOUR TEST RESULTS	
Effect	Value	95% Confidence Limits	Calculation Method
LC50 EC50	>100% >100%	- -	

The results reported relate only to the sample tested and as received.

TEST ORGANISM

Species: Daphnia magna Time to First Brood: 8.4 days
Organism Batch: Dm22-10 Average Brood Size: 26.9 young

Culture Mortality: 0.4% (previous 7 days)

TEST CONDITIONS

Sample Treatment :NoneNumber of Replicates :1pH Adjustment :NoneOrganisms / Replicate :10Pre-aeration Rate :~30 mL/min/LOrganisms / Test Level :10

Duration of Pre-Aeration: 0 minutes Organism Loading Rate: 15.0 mL/organism

Test Aeration: None Impaired Control Organisms: 0.0%

Hardness Adjustment: None Test Method Deviation(s): Yes (see below)

REFERENCE TOXICANT DATA

Sodium Chloride Toxicant: Historical Mean LC50: 6.5 g/LDate Tested: 2022-05-24 Warning Limits (\pm 2SD): 5.8 - 7.2 g/L LC50: 6.4 g/L Organism Batch: Dm22-10 95% Confidence Limits: 6.2 - 6.6 g/L Analyst(s): JJ

Statistical Method: Spearman-Kärber

COMMENTS

All test validity criteria as specified in the test method were satisfied.

Noted Deviation(s): The maximum sample holding time of 5 days allowed by the test method was exceeded. The sample was tested with the client's consent. There were no other unusual conditions or deviations from the test method, and the test is considered to be valid.

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Martina Rendas I am approving this document 2022-06-08

Approved By:





Work Order: 248470 Sample Number: 72774 Daphnia magna EPS 1/RM/14 Page 2 of 2

TEST DATA

				IESI DATA				
			pН	Dissolved O ₂ (mg/L)	Conductivity (µmhos/cm)	Temperature (°C)	O ₂ Saturation (%)*	Hardness (as CaCO ₃)
	Initial Chemis	try (100%):	7.4	8.1	849	20	92	320 mg/L
				0 HOURS				
Date & Time	2022-05-25	13:30		UHUUKS				
Analyst(s):	JGR (KP)							
Concentration (%)	Dead	Immobile	pН	Dissolved O ₂	Conductivity	Temperature	O ₂ Saturation*	Hardness
100	0	0	7.4	8.1	849	20	92	320
50	0	0	8.1	8.5	705	19	_	_
25	0	0	8.2	8.5	638	19	_	_
12.5	0	0	8.3	8.5	606	19	_	_
6.25	0	0	8.3	8.5	590	19	_	_
Control	0	0	8.5	8.8	575	19	99	160
Notes:								
				24 HOURS				
Date & Time	2022-05-26	13:30						
Analyst(s):	JGR (KP)							
Concentration (%)	Dead	Immobile	pН	Dissolved O ₂	Conductivity	Temperature		
100	_	0	_	_	_	20		
50	_	0	_	_	_	20		
25	_	0	_	_	_	20		
12.5	_	0	_	_	_	20		
6.25	_	0	_	_	_	20		
Control	-	0	_	_	_	20		
Notes:								
				48 HOURS				
Date & Time Analyst(s):	2022-05-27 CH (KP)	13:30						
Concentration (%)	Dead	Immobile	pН	Dissolved O ₂	Conductivity	Temperature		
100	0	0	7.9	8.3	867	21		
50	0	0	8.2	8.3	713	21		
25	0	0	8.3	8.3	646	21		
12.5	0	0	8.4	8.3	613	21		
6.25	0	0	8.4	8.3	595	21		
Control	0	0	8.4	8.3	582	21		
Notes:	Some test org	ganisms in the		50% and 25% o	concentrations		(CH).	

Number immobile does not include number dead.

Test Data Reviewed By : _____E

Date: 2022-05-30

[&]quot;_" = not measured/not required

^{*} adjusted for temperature and barometric pressure



AquaTox Testing & Consulting Inc. B-11 Nicholas Beaver Road Puslinch, ON NOB 2J0 Tel. (519) 763-4412 Fax. (519) 763-4419 TOXICITY TEST REPORT

Daphnia magna EPS 1/RM/14 Page 1 of 2

Work Order: 248470 Sample Number: 72775

SAMPLE IDENTIFICATION

Company: Agnico Eagle Mines Limited - Meliadine Project Sample Date: 2022-05-18 Location: Rankin Inlet NU Time Collected: 18:00 Substance: Site 2 Date Received: 2022-05-25 Sampling Method: Grab Time Received: 10:10 Sampled By: RL/DM/BF Temperature at Receipt: 19 °C Date Tested: Sample Description: Clear, grey. 2022-05-25

Test Method: Reference Method for Determining Acute Lethality of Effluents to Daphnia magna. Environment

Canada EPS 1/RM/14 (Second Edition, December 2000, with February 2016 amendments).

		48-HOUR TEST RESULTS	
Effect	Value	95% Confidence Limits	Calculation Method
LC50 EC50	>100% >100%	_ _	- -

The results reported relate only to the sample tested and as received.

TEST ORGANISM

Species :Daphnia magnaTime to First Brood :8.4 daysOrganism Batch :Dm22-10Average Brood Size :26.9 young

Culture Mortality: 0.4% (previous 7 days)

TEST CONDITIONS

Sample Treatment: None Number of Replicates: 1
pH Adjustment: None Organisms / Replicate: 10
Pre-aeration Rate: ~30 mL/min/L Organisms / Test Level: 10

Duration of Pre-Aeration: 0 minutes Organism Loading Rate: 15.0 mL/organism

Test Aeration: None Impaired Control Organisms: 0.0%

Hardness Adjustment: None Test Method Deviation(s): Yes (see below)

REFERENCE TOXICANT DATA

Sodium Chloride Historical Mean LC50: Toxicant: 6.5 g/L Date Tested: 2022-05-24 Warning Limits (\pm 2SD): 5.8 - 7.2 g/L LC50: 6.4 g/LOrganism Batch: Dm22-10 95% Confidence Limits: 6.2 - 6.6 g/LAnalyst(s): IJ

Statistical Method: Spearman-Kärber

COMMENTS

All test validity criteria as specified in the test method were satisfied.

Noted Deviation(s): The maximum sample holding time of 5 days allowed by the test method was exceeded. The sample was tested with the client's consent. There were no other unusual conditions or deviations from the test method, and the test is considered to be valid.

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Proiect Manage

Martina Rendas





Work Order: 248470 Sample Number: 72775 Daphnia magna EPS 1/RM/14 Page 2 of 2

TEST DATA

				ILSI DIIII				
			pН	Dissolved O ₂ (mg/L)	Conductivity (µmhos/cm)	Temperature (°C)	O ₂ Saturation (%)*	Hardness (as CaCO ₃)
	Initial Chemis	try (100%):	7.3	8.6	430	20	95	160 mg/L
				0 HOUDS				
Date & Time	2022-05-25	13:05		0 HOURS				
Analyst(s):	JGR (KP)							
Concentration (%)	Dead	Immobile	pН	Dissolved O ₂	Conductivity	Temperature	O ₂ Saturation*	Hardness
100	0	0	7.3	8.6	430	20	95	160
50	0	0	8.1	8.8	504	19	_	_
25	0	0	8.3	8.8	539	19	_	_
12.5	0	0	8.3	8.8	556	19	_	_
6.25	0	0	8.3	8.8	567	19	_	_
Control	0	0	8.5	8.8	575	19	99	160
Notes:								
				24 HOURS				
Date & Time Analyst(s):	2022-05-26 JGR (KP)	13:05						
Concentration (%)	Dead	Immobile	pН	Dissolved O ₂	Conductivity	Temperature		
100	_	0	_	_	_	20		
50	_	0	_	_	_	20		
25	_	0	_	_	_	20		
12.5	_	0	_	_	_	20		
6.25	_	0	_	_	_	20		
Control	-	0	_	_	_	20		
Notes:								
				48 HOURS				
Date & Time Analyst(s):	2022-05-27 CH (KP)	13:05						
Concentration (%)	Dead	Immobile	pН	Dissolved O ₂	Conductivity	Temperature		
100	0	0	7.6	8.2	441	21		
50	0	0	8.1	8.2	507	21		
25	0	0	8.3	8.2	544	21		
12.5	0	0	8.3	8.2	568	21		
6.25	0	0	8.4	8.3	572	21		
Control	0	0	8.4	8.3	581	21		
Notes:	Some test org	ganisms in the	100%	concentration w	ere floating (C	CH).		

Number immobile does not include number dead.

Test Data Reviewed By:

Date: 2022-05-31

[&]quot;_" = not measured/not required

^{*} adjusted for temperature and barometric pressure



AquaTox Testing & Consulting Inc. B-11 Nicholas Beaver Road Puslinch, ON NOB 2J0 Tel. (519) 763-4412 Fax. (519) 763-4419

TOXICITY TEST REPORT

Rainbow Trout EPS 1/RM/13 Page 1 of 2

Work Order: 248470 Sample Number: 72775

SAMPLE IDENTIFICATION

Agnico Eagle Mines Limited - Meliadine Project Sample Date: Company: 2022-05-18 Location: Rankin Inlet NU Time Collected: 18:00 Substance: Site 2 Date Received: 2022-05-25 Time Received: Sampling Method: Grab 10:10 Sampled By: RL/DM/BF Temperature at Receipt: 19 °C 2022-05-25 Sample Description: Clear, grey. Date Tested:

Test Method(s): Reference Method for Determining Acute Lethality of Liquid Effluents to Rainbow Trout. Environment Canada,

EPS 1/RM/13 (2nd Edition, December 2000, with May 2007 and February 2016 amendments).

		96-HOUR TEST RESULTS		
Effect	Value	95% Confidence Limits	Statistical Method	
LC50	>100%	-	-	

The results reported relate only to the sample tested and as received.

TEST ORGANISM

Test Organism: Oncorhynchus mykiss Average Fork Length (± 2 SD): $45.9 \text{ mm} (\pm 4.2)$ Organism Batch: T22-11 Range of Fork Lengths: 41 - 48 mm Control Sample Size: 10 Average Wet Weight ($\pm 2 \text{ SD}$): 0.84 g (±0.25) Cumulative stock tank mortality rate: 0% (previous 7 days) Range of Wet Weights: 0.61 - 0.97 g Control organisms showing stress: 0 (at test completion) Organism Loading Rate: 0.5 g/L

TEST CONDITIONS

Sample Treatment: Volume Tested (L): 16 None pH Adjustment: None Number of Replicates: 1 Test Aeration: Organisms Per Replicate: 10 Yes Pre-aeration/Aeration Rate: $6.5 \pm 1 \text{ mL/min/L}$ Organisms Per Test Level: 10

Duration of Pre-Aeration: 30 minutes Test Method Deviation(s): Yes (see 'COMMENTS')

REFERENCE TOXICANT DATA

Toxicant: Potassium Chloride Date Tested: 2022-05-11 PC, CN, JW Organism Batch: T22-11 Analyst(s): LC50: 4068 mg/L Historical Mean LC50: 3700 mg/L 95% Confidence Limits: 3733 - 4470 mg/L 2777 - 4929 mg/L Warning Limits (\pm 2SD):

Statistical Method: Linear Regression (MLE)

COMMENTS

- •All test validity criteria as specified in the test method were satisfied.
- •Noted Deviation(s): The maximum sample holding time of 5 days allowed by the test method was exceeded. The sample was tested with the client's consent. There were no other unusual conditions or deviations from the test method, and the test is considered to be valid.

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Martina Rendas I am approving this document 2022-06-08 13:21-04:00

Approved By:

Project Manager



TOXICITY TEST REPORT

Work Order: 248470 Sample Number: 72775 Rainbow Trout EPS 1/RM/13 Page 2 of 2

TEST DATA

			TEST DA	ТА				
			pН	Dissolved O ₂ (mg/L)	Conductivity (µmhos/cm)	Temperature (°C)	O ₂ Saturation (%)*	
Initial Water Chemistry (100%):			7.4	8.4	437	16	92	
After 30 min pre-ac	eration:		7.5	8.9	439	16	96	
1			0 HOUR	S				
Date & Time	2022 05 25	12.50	UHOUK	.5				
Analyst(s):	2022-05-25	12:50						
•	LL (KP)		***	Disselsed O	G 1 41 14	70.	0 6-4	
Concentration (%)	Dead	Impaired	pH 7.5		-	-	O ₂ Saturation ⁵	
100	0	0	7.5	8.9	439	16	96	
50		0	8.2	9.5	656 750	14	_	
25	0	0	8.3	9.6	759	14	_	
12.5	0	0	8.3	9.6	813	14	_	
6.25	0	0	8.3	9.6	838	14	100	
Control Notes:	U	0	8.3	9.6	861	14	100	
			24 HOUF	RS				
Date & Time	2022-05-26	12:50						
Analyst(s):	PC (KP)							
Concentration (%)	Dead	Impaired	pН	Dissolved O ₂	Conductivity	Temperature		
100	0	0	_	_	_	14		
50	0	0	-	_	_	14		
25	0	0	-	_	_	14		
12.5	0	0	_	_	_	14		
6.25	0	0	_	_	_	14		
Control	0	0	_	_	_	14		
Notes:								
			48 HOUF	RS				
Date & Time	2022-05-27	12:50						
Analyst(s):	JW	12.50						
Concentration (%)	Dead	Impaired	pН	Dissolved O.	Conductivity	Temperature		
100	0	0	- -	— — — — — — — — — — — — — — — — — — —	_	14		
50	0	0	_	_	_	14		
25	0	0	_	_	_	14		
12.5	0	0	_	_	_	14		
6.25	0	0	_	_	_	14		
Control	0	0	_	_	_	14		
Notes:	· ·	v						
			72 HOUF	RS				
Date & Time Analyst(s):	2022-05-28 LL (AW)	12:50						
Concentration (%)	Dead	Impaired	pН	Dissolved O	Conductivity	Temperature		
100	0	0	_	-	_	16		
50	0	0	_	_	_	16		
25	0	0	_	_	_	16		
12.5	0	0	_	-	_	16		
6.25	0	0	_	-	_	16		
Control	0	0	_	-	_	16		
Notes:								
			96 HOUF	RS				
Date & Time	2022-05-29	12:50						
Analyst(s):	LL (AW)							
Concentration (%)	Dead	Impaired	pН	_	Conductivity	-		
100	0	0	7.5	9.3	447	16		
50	0	0	8.1	9.1	661	16		
25	0	0	8.3	9.3	759	16		
12.5	0	0	8.3	9.2	810	16		
6.25	0	0	8.3	9.2	816	16		
Control Notes:	0	0	8.3	8.9	833	16		

[&]quot; $_$ " = not measured/not required

Number impaired does not include number dead.

Test Data Reviewed By : EM

Date : 2022-05-31

^{*} adjusted for temperature and barometric pressure



AquaTox Testing & Consulting Inc. B-11 Nicholas Beaver Road Puslinch, ON NOB 2J0 Tel. (519) 763-4412 Fax. (519) 763-4419

TOXICITY TEST REPORT

Daphnia magna EPS 1/RM/14 Page 1 of 2

Work Order: 248470 Sample Number: 72776

SAMPLE IDENTIFICATION

Company: Agnico Eagle Mines Limited - Meliadine Project Sample Date: 2022-05-18 Location: Rankin Inlet NU Time Collected: 18:30 Substance: Site 3 Date Received: 2022-05-25 Sampling Method: Grab Time Received: 10:10 RL/DM/BF Sampled By: Temperature at Receipt: 19 °C Date Tested: Sample Description: Cloudy, grey. 2022-05-25

Test Method: Reference Method for Determining Acute Lethality of Effluents to Daphnia magna. Environment

Canada EPS 1/RM/14 (Second Edition, December 2000, with February 2016 amendments).

		48-HOUR TEST RESULTS	
Effect	Value	95% Confidence Limits	Calculation Method
LC50	>100%	_	_
EC50	>100%	_	_

The results reported relate only to the sample tested and as received.

TEST ORGANISM

Species: Daphnia magna Time to First Brood: 8.4 days
Organism Batch: Dm22-10 Average Brood Size: 26.9 young

Culture Mortality: 0.4% (previous 7 days)

TEST CONDITIONS

Sample Treatment :NoneNumber of Replicates :1pH Adjustment :NoneOrganisms / Replicate :10Pre-aeration Rate :~30 mL/min/LOrganisms / Test Level :10

Duration of Pre-Aeration: 0 minutes Organism Loading Rate: 15.0 mL/organism

Test Aeration: None Impaired Control Organisms: 0.0%

Hardness Adjustment: None Test Method Deviation(s): Yes (see below)

REFERENCE TOXICANT DATA

Sodium Chloride Historical Mean LC50: Toxicant: 6.5 g/LDate Tested: 2022-05-24 Warning Limits (\pm 2SD): 5.8 - 7.2 g/L LC50: 6.4 g/L Organism Batch: Dm22-10 6.2 - 6.6 g/L 95% Confidence Limits: Analyst(s): IJ

Statistical Method: Spearman-Kärber

COMMENTS

All test validity criteria as specified in the test method were satisfied.

Noted Deviation(s): The maximum sample holding time of 5 days allowed by the test method was exceeded. The sample was tested with the client's consent. There were no other unusual conditions or deviations from the test method, and the test is considered to be valid.

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Martina Rendas I am approving this document 2022-06-08 13:22-04:0

Approved By .

Project Manager





Work Order: 248470 Sample Number: 72776 Daphnia magna EPS 1/RM/14 Page 2 of 2

TEST DATA

				TEST DITTI						
			pН	Dissolved O ₂ (mg/L)	Conductivity (µmhos/cm)	Temperature (°C)	O ₂ Saturation (%)*	Hardness (as CaCO ₃)		
	Initial Chemistry (100%):		8.5	8.7	78	20	100	26 mg/L		
				0 HOURS						
Date & Time	2022-05-25	13:50		UHOUKS						
Analyst(s):	JGR (KP)									
Concentration (%)	Dead	Immobile	pН	Dissolved O ₂	Conductivity	Temperature	O ₂ Saturation*	Hardness		
100	0	0	8.5	8.7	78	20	100	26		
50	0	0	8.4	8.7	333	19	-	_		
25	0	0	8.4	8.7	455	19	-	_		
12.5	0	0	8.4	8.7	515	19	-	_		
6.25	0	0	8.4	8.7	544	19	_	_		
Control	0	0	8.5	8.8	575	19	99	160		
Notes:										
				24 HOURS						
Date & Time Analyst(s):	2022-05-26 JJ (KP)	13:50								
Concentration (%)	Dead	Immobile	pН	Dissolved O ₂	Conductivity	Temperature				
100	_	0	_	_	_	21				
50	_	0	_	_	_	21				
25	_	0	_	_	_	21				
12.5	_	0	_	_	_	21				
6.25	_	0	_	_	_	21				
Control	_	0	_	_	_	21				
Notes:										
				48 HOURS						
Date & Time Analyst(s):	2022-05-27 CH (EM)	13:50								
Concentration (%)	Dead	Immobile	pН	Dissolved O ₂	Conductivity	Temperature				
100	2	2	7.9	8.2	83	21				
50	0	1	8.2	8.3	347	21				
25	0	0	8.3	8.4	465	21				
12.5	0	0	8.4	8.3	523	21				
6.25	0	0	8.4	8.3	551	21				
Control	0	0	8.4	8.3	582	21				
Notes:	Some test org	Some test organisms in the 100% and 50% concentrations were floating (CH).								

Number immobile does not include number dead.

Test Data Reviewed By: EM

Date: 2022-05-30

[&]quot;_" = not measured/not required

^{*} adjusted for temperature and barometric pressure



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TOXICITY TEST REPORT

Daphnia magna EPS 1/RM/14 Page 1 of 2

Work Order: 248470 Sample Number: 72777

SAMPLE IDENTIFICATION

Company: Agnico Eagle Mines Limited - Meliadine Project Sample Date: 2022-05-18 Rankin Inlet NU Time Collected: Location: 18:40 2022-05-25 Substance: Site 4 Date Received: Sampling Method: Grab Time Received: 10:10 Sampled By: RL/DM/BF Temperature at Receipt: 19 °C Sample Description: Cloudy, grey. Date Tested: 2022-05-25

Test Method: Reference Method for Determining Acute Lethality of Effluents to Daphnia magna. Environment

Canada EPS 1/RM/14 (Second Edition, December 2000, with February 2016 amendments).

48-HOUR TEST RESULTS									
Effect	Value	95% Confidence Limits	Calculation Method						
LC50 EC50	>100% <6.25%		-						

The results reported relate only to the sample tested and as received.

TEST ORGANISM

Species: Daphnia magna Time to First Brood: 8.4 days
Organism Batch: Dm22-10 Average Brood Size: 26.9 young

Culture Mortality: 0.4% (previous 7 days)

TEST CONDITIONS

Sample Treatment: None Number of Replicates: 1
pH Adjustment: None Organisms / Replicate: 10
Pre-aeration Rate: ~30 mL/min/L Organisms / Test Level: 10

Duration of Pre-Aeration: 0 minutes Organism Loading Rate: 15.0 mL/organism

Test Aeration: None Impaired Control Organisms: 0.0%

Hardness Adjustment: None Test Method Deviation(s): Yes (see below)

REFERENCE TOXICANT DATA

Sodium Chloride Toxicant: Historical Mean LC50: 6.5 g/LDate Tested: 2022-05-24 Warning Limits (\pm 2SD): 5.8 - 7.2 g/L 6.4 g/L Organism Batch: Dm22-10 LC50: 95% Confidence Limits: 6.2 - 6.6 g/L Analyst(s): IJ

Statistical Method: Spearman-Kärber

COMMENTS

All test validity criteria as specified in the test method were satisfied.

Noted Deviation(s): The maximum sample holding time of 5 days allowed by the test method was exceeded. The sample was tested with the client's consent. There were no other unusual conditions or deviations from the test method, and the test is considered to be valid.

Martina Rendas
I am approving this
document
2022-06-08 13:25-04:0

Approved By:

Project Manager





Work Order: 248470 Sample Number: 72777 Daphnia magna EPS 1/RM/14 Page 2 of 2

TEST DATA

				IESI DAIA				
			pН	Dissolved O ₂ (mg/L)	Conductivity (µmhos/cm)	Temperature (°C)	O ₂ Saturation (%)*	Hardness (as CaCO ₃
	Initial Chemist	try (100%) :	7.2	8.0	84	20	90	36 mg/L
				A HOUDG				
Date & Time	2022-05-25	14:25		0 HOURS				
Analyst(s):	JGR/JJ (KP)	11.23						
Concentration (%)	Dead	Immobile	pН	Dissolved O ₂	Conductivity	Temperature	O ₂ Saturation*	Hardness
100	0	0	7.2	8.0	84	20	90	36
50	0	0	8.1	8.4	350	19	_	_
25	0	0	8.3	8.5	467	19	_	_
12.5	0	0	8.3	8.5	525	19	_	_
6.25	0	0	8.3	8.5	549	19	_	_
Control	0	0	8.5	8.8	575	19	99	160
Notes:								
				24 HOURS				
Date & Time	2022-05-26	14:25						
Analyst(s):	JJ (KP)							
Concentration (%)	Dead	Immobile	pН	Dissolved O ₂	Conductivity	Temperature		
100	_	0	_	_	_	21		
50	_	0	_	_	_	21		
25	_	0	_	_	_	21		
12.5	_	0	_	_	_	21		
6.25	_	0	_	_	_	21		
Control	-	0	_	_	_	21		
Notes:								
				48 HOURS				
Date & Time Analyst(s):	2022-05-27 CH (EM)	14:25						
Concentration (%)	Dead	Immobile	pН	Dissolved O ₂	Conductivity	Temperature		
100	3	7	8.1	8.2	95	21		
50	0	6	8.2	8.2	354	21		
25	2	8	8.3	8.2	473	21		
12.5	0	9	8.3	8.3	527	21		
6.25	1	7	8.4	8.2	555	21		
Control	0	0	8.4	8.3	583	21		
Notes:				5%, 25%, 50% a			des of the cup	

Number immobile does not include number dead.

above the water level (CH).

Test Data Reviewed By : ____EM

Date: 2022-05-30

[&]quot;_" = not measured/not required

^{*} adjusted for temperature and barometric pressure

CHAIN OF CUSTODY RECORD



AquaTox Work Order No:

248470 Sample Storage (prior to shipping); Refrigerator/cooler Affiliation: Agnico Eagle Mines - Meliadine Custody Relinquished by. Date/Time Shipped: 2022-05-20 8:00 Field Sampler Name (print): P.O. Number: 1006008 Signature:

AquaTox Testing & Consulting Inc. B-11 Nicholas Beaver Road Puslinch, Ontario Canada N0B 2J0 Shipping Address:

(519) 763-4419 Fax: Voice: (519) 763-4412

Rankin Inlet, Nunavut, Canada Agnico Eagle Meliadine Project Client:

(819) 759-3555 Phone:

Contact: Brett Fairbairn

Fax:

Sample Method and Volume	# of Containers and Volume (eg. 2 x 1t., 3 x 10t., etc.)	1 pail (40L) 米	2 pails (40L)	1 pail (40L) ★		2					
dme	Sileogmo										
- CO	ds10	7	7	7	7	-		_	1		
	жозотэіМ										
	Pseudokirchnenella filworD alaliqeadus										
	rthwo10 Tonim snmeJ										
bested	Ceriodaphnia dubia Survival & Reproduction										
Analyses Requested	Fathead Minnow S levivius					-					
Analys	023J engem sindqeQ	7	7	7	7						
	elgni2 angem ainntqeQ noitertneonoO										
	Rainbow Trout LC50		7								
	Rainbow Trout Single noilstinesnes										
	Temp. on	10	50	7	ñ ñ						
			5	100	d						
	AquaTox Sample Number	1277	きせたでせ	FF Et	たたとと						
	- G	It) '		C					l lange	
Sample Identification	Sample Name										
		Site 1	Site 2	Site 3	Site 4	:					
	Time Collected (e.g. 14:30, 24 hr clock)	19:10	18:00	18:30	18:40				_		
	Date Collected (yyyy-mm-dd)	** 2022-05-19	★ ★ 2022-05-19 18:00	** 2022-05-19 18:30	** 2022-02-19 18:40						
		オサ	# #	¥	力井						

		- 2	2		
ly in	c/u	1017-05-15	0:10		
For Lab Use Only	Received By:	Date:	Time:	Storage Location:	Storage Temp.(°C)

Client 95 20-20-62 1700 IX Jol Please list any special requests or instructions: date S.CA. Sample * Chear **



Your P.O. #: OL-1129375 Site Location: MELIADINE

Your C.O.C. #: n/a

Attention: Reporting

Agnico-Eagle
Meliadine
Meliadine Mine
Rankin Inlet, NU
CANADA XOC 0G0

Report Date: 2022/06/06

Report #: R7153525 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C2E2308 Received: 2022/05/25, 10:00

Sample Matrix: Water # Samples Received: 4

'		Date	Date		
Analyses	Quantity	Extracted	Analyzed	Laboratory Method	Analytical Method
Alkalinity (1)	4	N/A	2022/05/31	CAM SOP-00448	SM 23 2320 B m
Carbonate, Bicarbonate and Hydroxide (1)	4	N/A	2022/06/01	CAM SOP-00102	APHA 4500-CO2 D
Chloride by Automated Colourimetry (1)	4	N/A	2022/05/30	CAM SOP-00463	SM 23 4500-Cl E m
Conductivity (1)	4	N/A	2022/05/31	CAM SOP-00414	SM 23 2510 m
Petroleum Hydro. CCME F1 & BTEX in Water (1)	4	N/A	2022/05/30	CAM SOP-00315	CCME PHC-CWS m
Petroleum Hydrocarbons F2-F4 in Water (1, 4)	4	2022/05/31	2022/05/31	CAM SOP-00316	CCME PHC-CWS m
Fluoride (1)	4	2022/05/27	2022/05/31	CAM SOP-00449	SM 23 4500-F C m
Low Level Chloride and Sulphate by AC (2)	4	N/A	2022/06/03	AB SOP-00020 / AB SOP-	SM23 4500-CL/SO4-E m
				00018	
Hardness Total (calculated as CaCO3) (3, 5)	4	N/A	2022/06/01	BBY WI-00033	Auto Calc
Hardness (calculated as CaCO3) (3)	4	N/A	2022/06/01	BBY WI-00033	Auto Calc
Na, K, Ca, Mg, S by CRC ICPMS (diss.) (3)	4	N/A	2022/06/01	BBY7SOP-00002	EPA 6020B R2 m
Elements by CRC ICPMS (dissolved) (3)	4	N/A	2022/05/31	BBY7SOP-00002	EPA 6020B R2 m
Na, K, Ca, Mg, S by CRC ICPMS (total) (3)	4	2022/05/26	2022/06/01	BBY7SOP-00002	EPA 6020B R2 m
Elements by CRC ICPMS (total) (3)	4	2022/05/31	2022/05/31	BBY7SOP-00003/BBY7SO	PEPA 6020B R2 m
				-00002	
pH (1)	4	2022/05/27	2022/05/31	CAM SOP-00413	SM 4500H+ B m
Total Dissolved Solids (1)	2	2022/05/28	2022/05/30	CAM SOP-00428	SM 23 2540C m
Total Dissolved Solids (1)	2	2022/05/30	2022/05/31	CAM SOP-00428	SM 23 2540C m
Total Organic Carbon (TOC) (1, 6)	4	N/A	2022/05/30	CAM SOP-00446	SM 23 5310B m
Low Level Total Suspended Solids (1)	3	2022/05/27	2022/05/30	CAM SOP-00428	SM 23 2540D m
Low Level Total Suspended Solids (1)	1	2022/05/28	2022/05/30	CAM SOP-00428	SM 23 2540D m
Turbidity (1)	4	N/A	2022/05/27	CAM SOP-00417	SM 23 2130 B m

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, MELCC, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement



Your P.O. #: OL-1129375 Site Location: MELIADINE

Your C.O.C. #: n/a

Attention: Reporting

Agnico-Eagle Meliadine Meliadine Mine Rankin Inlet, NU CANADA XOC 0G0

Report Date: 2022/06/06

Report #: R7153525 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C2E2308 Received: 2022/05/25, 10:00

Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

- * RPDs calculated using raw data. The rounding of final results may result in the apparent difference.
- (1) This test was performed by Bureau Veritas Mississauga, 6740 Campobello Rd , Mississauga, ON, L5N 2L8
- (2) This test was performed by Bureau Veritas Calgary (19th), 4000 19th Street NE, Calgary, AB, T2E 6P8
- (3) This test was performed by Bureau Veritas Burnaby, 4606 Canada Way, Burnaby, BC, V5G 1K5
- (4) All CCME PHC results met required criteria unless otherwise stated in the report. The CWS PHC methods employed by Bureau Veritas conform to all prescribed elements of the reference method and performance based elements have been validated. All modifications have been validated and proven equivalent following "Alberta Environment's Interpretation of the Reference Method for the Canada-Wide Standard for Petroleum Hydrocarbons in Soil Validation of Performance-Based Alternative Methods September 2003". Documentation is available upon request. Modifications from Reference Method for the Canada-wide Standard for Petroleum Hydrocarbons in Soil-Tier 1 Method: F2/F3/F4 data reported using validated cold solvent extraction instead of Soxhlet extraction.
- (5) "Total Hardness" was calculated from Total Ca and Mg concentrations and may be biased high (Hardness, or Dissolved Hardness, calculated from Dissolved Ca and Mg, should be used for compliance if available).

(6) Total Organic Carbon (TOC) present in the sample should be considered as non-purgeable TOC.

Encryption Key

Katherine Szozda Project Manager 06 Jun 2022 11:34:47

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

Katherine Szozda, Project Manager

Email: Katherine.Szozda@bureauveritas.com Phone# (613)274-0573 Ext:7063633

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.



Site Location: MELIADINE Your P.O. #: OL-1129375 Sampler Initials: DM

CCME PHCS, BTEX/F1-F4 (WATER)

Bureau Veritas ID		SSJ130	SSJ131			SSJ131			SSJ132	SSJ133		
Sampling Date		2022/05/18	2022/05/18			2022/05/18			2022/05/18	2022/05/18		
		19:00	18:00			18:00			18:30	18:45		
COC Number		n/a	n/a			n/a			n/a	n/a		
	UNITS	SITE 1	SITE 2	RDL	QC Batch	SITE 2 Lab-Dup	RDL	QC Batch	SITE 3	SITE 4	RDL	QC Batch
BTEX & F1 Hydrocarbons												
Benzene	ug/L	0.69	<0.20	0.20	8022137	<0.20	0.20	8022137	<0.20	<0.20	0.20	8022137
Toluene	ug/L	7.5	0.34	0.20	8022137	0.35	0.20	8022137	<0.20	0.75	0.20	8022137
Ethylbenzene	ug/L	4.4	0.31	0.20	8022137	0.30	0.20	8022137	<0.20	0.77	0.20	8022137
o-Xylene	ug/L	8.0	0.65	0.20	8022137	0.69	0.20	8022137	<0.20	1.7	0.20	8022137
p+m-Xylene	ug/L	10	0.84	0.40	8022137	0.87	0.40	8022137	<0.40	2.1	0.40	8022137
Total Xylenes	ug/L	18	1.5	0.40	8022137	1.6	0.40	8022137	<0.40	3.8	0.40	8022137
F1 (C6-C10)	ug/L	73	<25	25	8022137	<25	25	8022137	<25	<25	25	8022137
F1 (C6-C10) - BTEX	ug/L	42	<25	25	8022137	<25	25	8022137	<25	<25	25	8022137
F2-F4 Hydrocarbons	-	•		-	-	-		-	-	-		
F2 (C10-C16 Hydrocarbons)	ug/L	230	<100	100	8023643				<100	8800	100	8023643
F3 (C16-C34 Hydrocarbons)	ug/L	880	1000	200	8023643				250	11000	200	8023643
F4 (C34-C50 Hydrocarbons)	ug/L	<200	<200	200	8023643				<200	870	200	8023643
Reached Baseline at C50	ug/L	Yes	Yes		8023643				Yes	Yes		8023643
Surrogate Recovery (%)												
1,4-Difluorobenzene	%	101	99		8022137	106		8022137	101	101		8022137
4-Bromofluorobenzene	%	98	99		8022137	97		8022137	98	100		8022137
D10-o-Xylene	%	97	98		8022137	101		8022137	100	102		8022137
D4-1,2-Dichloroethane	%	99	98		8022137	100		8022137	96	101		8022137
o-Terphenyl	%	88	89		8023643				87	92		8023643

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

Lab-Dup = Laboratory Initiated Duplicate



Site Location: MELIADINE Your P.O. #: OL-1129375 Sampler Initials: DM

DISS. ICPMS METALS FOR FEDERAL INT. GWQG (WATER)

Bureau Veritas ID		SSJ130	SSJ131	SSJ132	SSJ133		
Sampling Date		2022/05/18	2022/05/18	2022/05/18	2022/05/18		
		19:00	18:00	18:30	18:45		
COC Number		n/a	n/a	n/a	n/a		
	UNITS	SITE 1	SITE 2	SITE 3	SITE 4	RDL	QC Batch
Calculated Parameters							
Dissolved Hardness (CaCO3)	mg/L	291	140	23.2	27.7	0.50	8027273
Metals	•			•	•	•	•
Dissolved Aluminum (AI)	mg/L	0.0205	0.0346	0.0902	0.0336	0.0030	8027744
Dissolved Antimony (Sb)	mg/L	<0.00050	<0.00050	<0.00050	<0.00050	0.00050	8027744
Dissolved Arsenic (As)	mg/L	0.0165	0.00581	0.0415	0.0173	0.00010	8027744
Dissolved Barium (Ba)	mg/L	0.0274	0.0141	0.0026	0.0064	0.0010	8027744
Dissolved Beryllium (Be)	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	0.00010	8027744
Dissolved Bismuth (Bi)	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	0.0010	8027744
Dissolved Boron (B)	mg/L	<0.050	<0.050	<0.050	<0.050	0.050	8027744
Dissolved Cadmium (Cd)	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	0.000010	8027744
Dissolved Chromium (Cr)	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	0.0010	8027744
Dissolved Cobalt (Co)	mg/L	0.00036	<0.00020	<0.00020	<0.00020	0.00020	8027744
Dissolved Copper (Cu)	mg/L	0.00302	0.00169	0.00530	0.00122	0.00020	8027744
Dissolved Iron (Fe)	mg/L	0.0302	<0.0050	0.0165	0.0117	0.0050	8027744
Dissolved Lead (Pb)	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	0.00020	8027744
Dissolved Lithium (Li)	mg/L	0.0225	0.0173	<0.0020	<0.0020	0.0020	8027744
Dissolved Manganese (Mn)	mg/L	0.0338	0.0522	0.0120	0.0134	0.0010	8027744
Dissolved Molybdenum (Mo)	mg/L	0.0043	0.0019	<0.0010	<0.0010	0.0010	8027744
Dissolved Nickel (Ni)	mg/L	0.0024	0.0010	<0.0010	<0.0010	0.0010	8027744
Dissolved Selenium (Se)	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	0.00010	8027744
Dissolved Silicon (Si)	mg/L	0.34	0.19	0.17	0.15	0.10	8027744
Dissolved Silver (Ag)	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	0.000020	8027744
Dissolved Strontium (Sr)	mg/L	0.434	0.261	0.0342	0.0460	0.0010	8027744
Dissolved Thallium (TI)	mg/L	0.000014	<0.000010	<0.000010	<0.000010	0.000010	8027744
Dissolved Tin (Sn)	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	8027744
Dissolved Titanium (Ti)	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	8027744
Dissolved Uranium (U)	mg/L	0.00019	<0.00010	<0.00010	<0.00010	0.00010	8027744
Dissolved Vanadium (V)	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	8027744
Dissolved Zinc (Zn)	mg/L	0.0181	0.0050	<0.0050	0.0051	0.0050	8027744
Dissolved Zirconium (Zr)	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	0.00010	8027744
Dissolved Calcium (Ca)	mg/L	108	53.5	8.82	10.1	0.050	8027274
RDL = Reportable Detection Li	mit			•	•	•	•
OC Patch - Quality Control Pat	tch						



Site Location: MELIADINE Your P.O. #: OL-1129375 Sampler Initials: DM

DISS. ICPMS METALS FOR FEDERAL INT. GWQG (WATER)

Bureau Veritas ID		SSJ130	SSJ131	SSJ132	SSJ133		
Sampling Date		2022/05/18	2022/05/18	2022/05/18	2022/05/18		
Sampling Date		19:00	18:00	18:30	18:45		
COC Number		n/a	n/a	n/a	n/a		
	UNITS	SITE 1	SITE 2	SITE 3	SITE 4	RDL	QC Batch
Dissolved Magnesium (Mg)	mg/L	5.44	1.59	0.293	0.587	0.050	8027274
Dissolved Potassium (K)	mg/L	2.67	1.03	0.204	0.473	0.050	8027274
Dissolved Sodium (Na)	mg/L	14.7	4.53	0.610	1.54	0.050	8027274
Dissolved Sulphur (S)	mg/L	6.2	<3.0	<3.0	<3.0	3.0	8027274

RDL = Reportable Detection Limit QC Batch = Quality Control Batch



Site Location: MELIADINE Your P.O. #: OL-1129375 Sampler Initials: DM

TOTAL ICPMS METALS FOR CCME CEQG FOR SW (WATER)

Bureau Veritas ID		SSJ130	SSJ131	SSJ132	SSJ133		
Sampling Date		2022/05/18	2022/05/18	2022/05/18	2022/05/18		
		19:00	18:00	18:30	18:45		
COC Number		n/a	n/a	n/a	n/a		
	UNITS	SITE 1	SITE 2	SITE 3	SITE 4	RDL	QC Batc
Metals							
Total Aluminum (Al)	mg/L	0.219	0.201	1.72	0.573	0.0030	8027743
Total Antimony (Sb)	mg/L	<0.00050	<0.00050	<0.00050	<0.00050	0.00050	802774
Total Arsenic (As)	mg/L	0.0257	0.0111	0.260	0.0440	0.00010	802774
Total Barium (Ba)	mg/L	0.0272	0.0152	0.0226	0.0116	0.0010	8027743
Total Beryllium (Be)	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	0.00010	802774
Total Bismuth (Bi)	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	0.0010	8027743
Total Boron (B)	mg/L	<0.050	<0.050	<0.050	<0.050	0.050	802774
Total Cadmium (Cd)	mg/L	0.000012	<0.000010	0.000027	0.000017	0.000010	802774
Total Chromium (Cr)	mg/L	<0.0010	0.0011	0.0036	0.0031	0.0010	802774
Total Cobalt (Co)	mg/L	0.00054	0.00036	0.00132	0.00056	0.00020	802774
Total Copper (Cu)	mg/L	0.00454	0.00449	0.0187	0.0214	0.00050	802774
Total Iron (Fe)	mg/L	0.597	0.605	5.38	1.89	0.010	802774
Total Lead (Pb)	mg/L	0.00210	0.00133	0.0430	0.00781	0.00020	802774
Total Lithium (Li)	mg/L	0.0204	0.0160	0.0026	0.0024	0.0020	802774
Total Manganese (Mn)	mg/L	0.0419	0.0619	0.0706	0.0403	0.0010	802774
Total Molybdenum (Mo)	mg/L	0.0043	0.0021	<0.0010	0.0044	0.0010	802774
Total Nickel (Ni)	mg/L	0.0030	0.0016	0.0042	0.0022	0.0010	802774
Total Selenium (Se)	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	0.00010	802774
Total Silicon (Si)	mg/L	0.57	0.39	2.80	0.82	0.10	802774
Total Silver (Ag)	mg/L	0.000039	0.000118	0.000041	0.000332	0.000020	802774
Total Strontium (Sr)	mg/L	0.414	0.255	0.0445	0.0484	0.0010	802774
Total Thallium (TI)	mg/L	0.000017	<0.000010	0.000022	<0.000010	0.000010	802774
Total Tin (Sn)	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	802774
Total Titanium (Ti)	mg/L	0.0062	0.0056	0.0422	0.0157	0.0050	802774
Total Uranium (U)	mg/L	0.00018	<0.00010	0.00015	<0.00010	0.00010	802774
Total Vanadium (V)	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	802774
Total Zinc (Zn)	mg/L	0.0260	0.0192	0.0140	0.111	0.0050	802774
Total Zirconium (Zr)	mg/L	0.00016	<0.00010	0.00037	0.00016	0.00010	802774
Total Calcium (Ca)	mg/L	104	52.5	9.82	10.8	0.050	802774
Total Magnesium (Mg)	mg/L	5.33	1.63	1.18	1.02	0.050	802774
Total Potassium (K)	mg/L	2.59	1.03	0.554	0.544	0.050	802774



Site Location: MELIADINE Your P.O. #: OL-1129375 Sampler Initials: DM

TOTAL ICPMS METALS FOR CCME CEQG FOR SW (WATER)

Bureau Veritas ID		SSJ130	SSJ131	SSJ132	SSJ133		
Committee Date		2022/05/18	2022/05/18	2022/05/18	2022/05/18		
Sampling Date		19:00	18:00	18:30	18:45		
COC Number		n/a	n/a	n/a	n/a		
	UNITS	SITE 1	SITE 2	SITE 3	SITE 4	RDL	QC Batch
Total Sodium (Na)	mg/L	14.1	4.33	0.676	1.50	0.050	8027742
Total Sulphur (S)	mg/L	5.8	<3.0	<3.0	<3.0	3.0	8027742
Calculated Parameters	•						•
Total Hardness (CaCO3)	mg/L	281	138	29.4	31.1	0.50	8027741
RDL = Reportable Detection	Limit	•	•	•	•		•



Site Location: MELIADINE Your P.O. #: OL-1129375 Sampler Initials: DM

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		SSJ130			SSJ131			SSJ132		
Sampling Date		2022/05/18 19:00			2022/05/18 18:00			2022/05/18 18:30		
COC Number		n/a			n/a			n/a		
	UNITS	SITE 1	RDL	QC Batch	SITE 2	RDL	QC Batch	SITE 3	RDL	QC Batch
Calculated Parameters										
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	45	1.0	8016219	20	1.0	8016219	29	1.0	8016219
Carb. Alkalinity (calc. as CaCO3)	mg/L	<1.0	1.0	8016219	<1.0	1.0	8016219	<1.0	1.0	8016219
Inorganics										
Conductivity	umho/cm	860	1.0	8019679	420	1.0	8019679	69	1.0	8019679
Total Dissolved Solids	mg/L	760	10	8021081	360	10	8019354	60	10	8021081
Fluoride (F-)	mg/L	<0.10	0.10	8019659	<0.10	0.10	8019659	<0.10	0.10	8019659
Total Organic Carbon (TOC)	mg/L	5.8	0.40	8019345	2.0	0.40	8019345	0.61	0.40	8019345
рН	рН	7.13		8019681	6.83		8019681	7.60		8019681
Total Suspended Solids	mg/L	8	1	8019011	13	1	8019011	61	1	8019011
Turbidity	NTU	1.2	0.1	8018157	0.8	0.1	8018157	170	0.1	8018157
Alkalinity (Total as CaCO3)	mg/L	45	1.0	8019671	20	1.0	8019671	29	1.0	8019671
Dissolved Chloride (Cl-)	mg/L	200	2.0	8019148	110	1.0	8019148	2.6	1.0	8019148
Dissolved Sulphate (SO4)	mg/L	19	1.0	8032894	4.4	1.0	8032894	1.0	0.50	8032894
RDL = Reportable Detection Limit										



Site Location: MELIADINE Your P.O. #: OL-1129375 Sampler Initials: DM

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		SSJ132			SSJ133			SSJ133		
Samulina Data		2022/05/18			2022/05/18			2022/05/18		
Sampling Date		18:30			18:45			18:45		
COC Number		n/a			n/a			n/a		
	UNITS	SITE 3 Lab-Dup	RDL	QC Batch	SITE 4	RDL	QC Batch	SITE 4 Lab-Dup	RDL	QC Batch
Calculated Parameters										
Bicarb. Alkalinity (calc. as CaCO3)	mg/L				26	1.0	8016219			
Carb. Alkalinity (calc. as CaCO3)	mg/L				<1.0	1.0	8016219			
Inorganics	•									
Conductivity	umho/cm				86	1.0	8019679	86	1.0	8019679
Total Dissolved Solids	mg/L				50	10	8019354			
Fluoride (F-)	mg/L				<0.10	0.10	8019659	<0.10	0.10	8019659
Total Organic Carbon (TOC)	mg/L				2.4	0.40	8019345			
рН	рН				6.92		8019681	6.93		8019681
Total Suspended Solids	mg/L				41	1	8021077			
Turbidity	NTU				3.6	0.1	8018157			
Alkalinity (Total as CaCO3)	mg/L				26	1.0	8019671	25	1.0	8019671
Dissolved Chloride (Cl-)	mg/L	2.5	1.0	8019148	9.5	1.0	8019148			
Dissolved Sulphate (SO4)	mg/L				2.2	0.50	8032895			

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

Lab-Dup = Laboratory Initiated Duplicate



Site Location: MELIADINE Your P.O. #: OL-1129375 Sampler Initials: DM

TEST SUMMARY

Bureau Veritas ID: SSJ130 Sample ID: SITE 1

Matrix: Water

Collected: 2022/05/18

Shipped:

Received: 2022/05/25

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	8019671	N/A	2022/05/31	Surinder Rai
Carbonate, Bicarbonate and Hydroxide	CALC	8016219	N/A	2022/06/01	Automated Statchk
Chloride by Automated Colourimetry	KONE	8019148	N/A	2022/05/30	Alina Dobreanu
Conductivity	AT	8019679	N/A	2022/05/31	Surinder Rai
Petroleum Hydro. CCME F1 & BTEX in Water	HSGC/MSFD	8022137	N/A	2022/05/30	Abdikarim Ali
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	8023643	2022/05/31	2022/05/31	Jeevaraj Jeevaratrnam
Fluoride	ISE	8019659	2022/05/27	2022/05/31	Surinder Rai
Low Level Chloride and Sulphate by AC	KONE	8032894	N/A	2022/06/03	Shanna McKort
Hardness Total (calculated as CaCO3)	CALC	8027741	N/A	2022/06/01	Automated Statchk
Hardness (calculated as CaCO3)	CALC	8027273	N/A	2022/06/01	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	8027274	N/A	2022/06/01	Automated Statchk
Elements by CRC ICPMS (dissolved)	ICP/MS	8027744	N/A	2022/05/31	Jeffrey Laporte
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	8027742	2022/06/01	2022/06/01	Automated Statchk
Elements by CRC ICPMS (total)	ICP/MS	8027743	2022/05/31	2022/05/31	Jeffrey Laporte
рН	AT	8019681	2022/05/27	2022/05/31	Surinder Rai
Total Dissolved Solids	BAL	8021081	2022/05/28	2022/05/30	Kristen Chan
Total Organic Carbon (TOC)	TOCV/NDIR	8019345	N/A	2022/05/30	Anna-Kay Gooden
Low Level Total Suspended Solids	BAL	8019011	2022/05/27	2022/05/30	Shaneil Hall
Turbidity	AT	8018157	N/A	2022/05/27	Roya Fathitil

Bureau Veritas ID: SSJ131 Sample ID: SITE 2 Matrix: Water Collected: 2022/05/18 Shipped:

Received: 2022/05/25

Extracted **Test Description** Instrumentation Batch **Date Analyzed** Analyst Alkalinity ΑТ 8019671 N/A 2022/05/31 Surinder Rai Carbonate, Bicarbonate and Hydroxide CALC 8016219 N/A 2022/06/01 **Automated Statchk** Chloride by Automated Colourimetry KONE 8019148 N/A 2022/05/30 Alina Dobreanu Conductivity ΑТ 8019679 N/A 2022/05/31 Surinder Rai Petroleum Hydro. CCME F1 & BTEX in Water HSGC/MSFD 8022137 N/A 2022/05/30 Abdikarim Ali Petroleum Hydrocarbons F2-F4 in Water GC/FID 8023643 2022/05/31 2022/05/31 Jeevaraj Jeevaratrnam 2022/05/27 Surinder Rai Fluoride ISE 8019659 2022/05/31 Low Level Chloride and Sulphate by AC KONE 8032894 N/A 2022/06/03 Shanna McKort Hardness Total (calculated as CaCO3) CALC 8027741 N/A 2022/06/01 Automated Statchk Hardness (calculated as CaCO3) CALC 8027273 N/A 2022/06/01 Automated Statchk Na, K, Ca, Mg, S by CRC ICPMS (diss.) ICP 8027274 N/A 2022/06/01 Automated Statchk ICP/MS Elements by CRC ICPMS (dissolved) 8027744 N/A 2022/05/31 Jeffrey Laporte Na, K, Ca, Mg, S by CRC ICPMS (total) **ICP** 8027742 2022/06/01 2022/06/01 Automated Statchk Elements by CRC ICPMS (total) ICP/MS 8027743 2022/05/31 2022/05/31 Jeffrey Laporte ΑT 8019681 2022/05/27 2022/05/31 Surinder Rai **Total Dissolved Solids** 8019354 2022/05/30 Kristen Chan BAL 2022/05/31 TOCV/NDIR Total Organic Carbon (TOC) 8019345 N/A 2022/05/30 Anna-Kay Gooden 2022/05/27 Low Level Total Suspended Solids BAL 8019011 2022/05/30 Shaneil Hall Turbidity ΑT 8018157 N/A 2022/05/27 Roya Fathitil



Site Location: MELIADINE Your P.O. #: OL-1129375 Sampler Initials: DM

TEST SUMMARY

Bureau Veritas ID: SSJ131 Dup

Collected:

2022/05/18

Sample ID: SITE 2 Matrix: Water

Matrix: Water

Shipped: Received:

2022/05/25

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro, CCMF E1 & RTEY in Water	HSGC/MSED	8022137	NI/A	2022/05/30	Ahdikarim Ali

Bureau Veritas ID: SSJ132 Collected: 2022/05/18

 Sample ID:
 SITE 3
 Shipped:

 Matrix:
 Water
 Received:
 2022/05/25

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	8019671	N/A	2022/05/31	Surinder Rai
Carbonate, Bicarbonate and Hydroxide	CALC	8016219	N/A	2022/06/01	Automated Statchk
Chloride by Automated Colourimetry	KONE	8019148	N/A	2022/05/30	Alina Dobreanu
Conductivity	AT	8019679	N/A	2022/05/31	Surinder Rai
Petroleum Hydro. CCME F1 & BTEX in Water	HSGC/MSFD	8022137	N/A	2022/05/30	Abdikarim Ali
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	8023643	2022/05/31	2022/05/31	Jeevaraj Jeevaratrnam
Fluoride	ISE	8019659	2022/05/27	2022/05/31	Surinder Rai
Low Level Chloride and Sulphate by AC	KONE	8032894	N/A	2022/06/03	Shanna McKort
Hardness Total (calculated as CaCO3)	CALC	8027741	N/A	2022/06/01	Automated Statchk
Hardness (calculated as CaCO3)	CALC	8027273	N/A	2022/06/01	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	8027274	N/A	2022/06/01	Automated Statchk
Elements by CRC ICPMS (dissolved)	ICP/MS	8027744	N/A	2022/05/31	Jeffrey Laporte
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	8027742	2022/06/01	2022/06/01	Automated Statchk
Elements by CRC ICPMS (total)	ICP/MS	8027743	2022/05/31	2022/05/31	Jeffrey Laporte
рН	AT	8019681	2022/05/27	2022/05/31	Surinder Rai
Total Dissolved Solids	BAL	8021081	2022/05/28	2022/05/30	Kristen Chan
Total Organic Carbon (TOC)	TOCV/NDIR	8019345	N/A	2022/05/30	Anna-Kay Gooden
Low Level Total Suspended Solids	BAL	8019011	2022/05/27	2022/05/30	Shaneil Hall
Turbidity	AT	8018157	N/A	2022/05/27	Roya Fathitil

Bureau Veritas ID: SSJ132 Dup Collected: 2022/05/18 Sample ID: SITE 3 Shipped:

Matrix: Water Received: 2022/05/25

Test DescriptionInstrumentationBatchExtractedDate AnalyzedAnalystChloride by Automated ColourimetryKONE8019148N/A2022/05/30Alina Dobreanu

Bureau Veritas ID: SSJ133 Collected: 2022/05/18

Sample ID: SITE 4 Shipped:

Received: 2022/05/25

Date Analyzed Test Description Instrumentation Batch **Extracted** Analyst Alkalinity ΑТ 8019671 N/A 2022/05/31 Surinder Rai Carbonate, Bicarbonate and Hydroxide CALC 8016219 N/A 2022/06/01 Automated Statchk KONE Chloride by Automated Colourimetry 8019148 N/A 2022/05/30 Alina Dobreanu Conductivity ΑТ 8019679 N/A 2022/05/31 Surinder Rai HSGC/MSFD Petroleum Hydro. CCME F1 & BTEX in Water 8022137 N/A 2022/05/30 Abdikarim Ali Petroleum Hydrocarbons F2-F4 in Water GC/FID 8023643 2022/05/31 2022/05/31 Jeevaraj Jeevaratrnam



Site Location: MELIADINE Your P.O. #: OL-1129375 Sampler Initials: DM

Collected:

Shipped:

2022/05/18

TEST SUMMARY

Bureau Veritas ID: SSJ133

Sample ID: SITE 4

Matrix: Water Received: 2022/05/25

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Fluoride	ISE	8019659	2022/05/27	2022/05/31	Surinder Rai
Low Level Chloride and Sulphate by AC	KONE	8032895	N/A	2022/06/03	Shanna McKort
Hardness Total (calculated as CaCO3)	CALC	8027741	N/A	2022/06/01	Automated Statchk
Hardness (calculated as CaCO3)	CALC	8027273	N/A	2022/06/01	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	8027274	N/A	2022/06/01	Automated Statchk
Elements by CRC ICPMS (dissolved)	ICP/MS	8027744	N/A	2022/05/31	Jeffrey Laporte
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	8027742	2022/06/01	2022/06/01	Automated Statchk
Elements by CRC ICPMS (total)	ICP/MS	8027743	2022/05/31	2022/05/31	Jeffrey Laporte
рН	AT	8019681	2022/05/27	2022/05/31	Surinder Rai
Total Dissolved Solids	BAL	8019354	2022/05/30	2022/05/31	Kristen Chan
Total Organic Carbon (TOC)	TOCV/NDIR	8019345	N/A	2022/05/30	Anna-Kay Gooden
Low Level Total Suspended Solids	BAL	8021077	2022/05/28	2022/05/30	Shaneil Hall
Turbidity	AT	8018157	N/A	2022/05/27	Roya Fathitil

Bureau Veritas ID: SSJ133 Dup **Collected:** 2022/05/18

Sample ID: SITE 4 Shipped:
Matrix: Water Secived: 2022/05/25

Test Description Instrumentation Extracted **Date Analyzed** Batch Analyst Alkalinity ΑT 8019671 N/A 2022/05/31 Surinder Rai Conductivity ΑТ 8019679 N/A 2022/05/31 Surinder Rai ISE Fluoride 8019659 2022/05/27 2022/05/31 Surinder Rai ΑТ 8019681 2022/05/27 2022/05/31 Surinder Rai рΗ



Site Location: MELIADINE Your P.O. #: OL-1129375 Sampler Initials: DM

GENERAL COMMENTS

Each te	emperature is the	average of up to t	nree cooler temperatures taken at receipt
	Package 1	17.0°C	
Result	s relate only to the	e items tested.	



QUALITY ASSURANCE REPORT

Agnico-Eagle
Site Location: MELIADINE
Your P.O. #: OL-1129375
Sampler Initials: DM

QC Batch 8022137			Matrix Spike	Spike	SPIKED BLANK	BLANK	Method Blank	3lank	RPD		QC Standard	ndard
8022137	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery QC Limits	QC Limits
	1,4-Difluorobenzene	2022/05/30	100	70 - 130	66	70 - 130	104	%				
8022137	4-Bromofluorobenzene	2022/05/30	98	70 - 130	66	70 - 130	96	%				
8022137	D10-o-Xylene	2022/05/30	92	70 - 130	92	70 - 130	101	%				
8022137	D4-1,2-Dichloroethane	2022/05/30	97	70 - 130	26	70 - 130	90	%				
8023643	o-Terphenyl	2022/05/31	96	60 - 130	94	60 - 130	93	%				
8018157	Turbidity	2022/05/27			103	85 - 115	<0.1	NTU	0.85	20		
8019011	Total Suspended Solids	2022/05/30					<1	mg/L	11	25	95	85 - 115
8019148	Dissolved Chloride (CI-)	2022/05/30	126 (1)	80 - 120	105	80 - 120	<1.0	mg/L	2.2	20		
8019345	Total Organic Carbon (TOC)	2022/05/30	94	80 - 120	96	80 - 120	<0.40	mg/L	4.3	20		
8019354	Total Dissolved Solids	2022/05/31					<10	mg/L	0.43	25	26	90 - 110
8019659	Fluoride (F-)	2022/05/31	96	80 - 120	101	80 - 120	<0.10	mg/L	NC	20		
8019671	Alkalinity (Total as CaCO3)	2022/05/31			92	85 - 115	<1.0	mg/L	2.1	20		
8019679	Conductivity	2022/05/31			102	85 - 115	<1.0	umho/c m	0.12	25		
8019681	Hd	2022/05/31			102	98 - 103			0.24	N/A		
8021077	Total Suspended Solids	2022/05/30					<1	mg/L	0	25	96	85 - 115
8021081	Total Dissolved Solids	2022/05/30					<10	mg/L	2.4	25	102	90 - 110
8022137	Benzene	2022/05/30	94	50 - 140	26	50 - 140	<0.20	ng/L	NC	30		
8022137	Ethylbenzene	2022/05/30	105	50 - 140	109	50 - 140	<0.20	ng/L	4.3	30		
8022137	F1 (C6-C10) - BTEX	2022/05/30					<25	ng/L	NC	30		
8022137	F1 (C6-C10)	2022/05/30	88	60 - 140	90	60 - 140	<25	ng/L	NC	30		
8022137	o-Xylene	2022/05/30	100	50 - 140	103	50 - 140	<0.20	ng/L	4.9	30		
8022137	p+m-Xylene	2022/05/30	101	50 - 140	103	50 - 140	<0.40	ng/L	3.9	30		
8022137	Toluene	2022/05/30	100	50 - 140	101	50 - 140	<0.20	ng/L	1.7	30		
8022137	Total Xylenes	2022/05/30					<0.40	ng/L	4.3	30		
8023643	F2 (C10-C16 Hydrocarbons)	2022/05/31	111	60 - 130	102	60 - 130	<100	ng/L	NC	30		
8023643	F3 (C16-C34 Hydrocarbons)	2022/05/31	109	60 - 130	104	60 - 130	<200	ng/L	NC	30		
8023643	F4 (C34-C50 Hydrocarbons)	2022/05/31	106	60 - 130	100	60 - 130	<200	ng/L	NC	30		
8027743	Total Aluminum (AI)	2022/05/31	92	80 - 120	97	80 - 120	<0.0030	mg/L	14	20		
8027743	Total Antimony (Sb)	2022/05/31	99	80 - 120	86	80 - 120	<0.00050	mg/L				
8027743	Total Arsenic (As)	2022/05/31	NC	80 - 120	86	80 - 120	<0.00010	mg/L	3.0	20		
8027743	Total Barium (Ba)	2022/05/31	NC	80 - 120	94	80 - 120	<0.0010	mg/L	1.5	20		



QUALITY ASSURANCE REPORT(CONT'D)

Agnico-Eagle Site Location: MELIADINE Your P.O. #: OL-1129375 Sampler Initials: DM

			Matrix Spike	Spike	SPIKED BLANK	SLANK	Method Blank	Slank	RPD	D	QC Standard	ndard
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery QC Limits	QC Limits
8027743	Total Beryllium (Be)	2022/05/31	94	80 - 120	94	80 - 120	<0.00010	mg/L				
8027743	Total Bismuth (Bi)	2022/05/31	06	80 - 120	92	80 - 120	<0.0010	mg/L				
8027743	Total Boron (B)	2022/05/31	100	80 - 120	100	80 - 120	<0.050	mg/L				
8027743	Total Cadmium (Cd)	2022/05/31	86	80 - 120	26	80 - 120	<0.000010	mg/L	NC	20		
8027743	Total Chromium (Cr)	2022/05/31	101	80 - 120	86	80 - 120	<0.0010	mg/L	14	20		
8027743	Total Cobalt (Co)	2022/05/31	86	80 - 120	66	80 - 120	<0.00020	mg/L				
8027743	Total Copper (Cu)	2022/05/31	94	80 - 120	56	80 - 120	<0.00050	mg/L	NC	20		
8027743	Total Iron (Fe)	2022/05/31	NC	80 - 120	100	80 - 120	<0.010	mg/L	7.5	20		
8027743	Total Lead (Pb)	2022/05/31	56	80 - 120	26	80 - 120	<0.00020	mg/L	NC	20		
8027743	Total Lithium (Li)	2022/05/31	26	80 - 120	96	80 - 120	<0.0020	mg/L				
8027743	Total Manganese (Mn)	2022/05/31	NC	80 - 120	97	80 - 120	<0.0010	mg/L	1.5	20		
8027743	Total Molybdenum (Mo)	2022/05/31	JN	80 - 120	86	80 - 120	<0.0010	mg/L	3.0	20		
8027743	Total Nickel (Ni)	2022/05/31	56	80 - 120	26	80 - 120	<0.0010	mg/L	1.0	20		
8027743	Total Selenium (Se)	2022/05/31	106	80 - 120	104	80 - 120	<0.00010	mg/L	JN	20		
8027743	Total Silicon (Si)	2022/05/31	102	80 - 120	107	80 - 120	<0.10	mg/L				
8027743	Total Silver (Ag)	2022/05/31	86	80 - 120	96	80 - 120	<0.000020	mg/L	NC	20		
8027743	Total Strontium (Sr)	2022/05/31	NC	80 - 120	06	80 - 120	<0.0010	mg/L				
8027743	Total Thallium (TI)	2022/05/31	92	80 - 120	93	80 - 120	<0.000010	mg/L	6.1	20		
8027743	Total Tin (Sn)	2022/05/31	26	80 - 120	86	80 - 120	<0.0050	mg/L				
8027743	Total Titanium (Ti)	2022/05/31	94	80 - 120	96	80 - 120	<0.0050	mg/L				
8027743	Total Uranium (U)	2022/05/31	100	80 - 120	92	80 - 120	<0.00010	mg/L				
8027743	Total Vanadium (V)	2022/05/31	66	80 - 120	95	80 - 120	<0.0050	mg/L				
8027743	Total Zinc (Zn)	2022/05/31	6	80 - 120	98	80 - 120	<0.0050	mg/L	NC	20		
8027743	Total Zirconium (Zr)	2022/05/31	66	80 - 120	93	80 - 120	<0.00010	mg/L				
8027744	Dissolved Aluminum (AI)	2022/05/31	93	80 - 120	66	80 - 120	<0.0030	mg/L				
8027744	Dissolved Antimony (Sb)	2022/05/31	96	80 - 120	66	80 - 120	<0.00050	mg/L				
8027744	Dissolved Arsenic (As)	2022/05/31	66	80 - 120	101	80 - 120	<0.00010	mg/L				
8027744	Dissolved Barium (Ba)	2022/05/31	92	80 - 120	98	80 - 120	<0.0010	mg/L				
8027744	Dissolved Beryllium (Be)	2022/05/31	92	80 - 120	97	80 - 120	<0.00010	mg/L				
8027744	Dissolved Bismuth (Bi)	2022/05/31	98	80 - 120	94	80 - 120	<0.0010	mg/L				
8027744	Dissolved Boron (B)	2022/05/31	94	80 - 120	100	80 - 120	<0.050	mg/L				
8027744	Dissolved Cadmium (Cd)	2022/05/31	93	80 - 120	86	80 - 120	<0.000010	mg/L				



QUALITY ASSURANCE REPORT(CONT'D)

Agnico-Eagle
Site Location: MELIADINE
Your P.O. #: OL-1129375
Sampler Initials: DM

			Matrix Spike	Spike	SPIKED BLANK	BLANK	Method Blank	3lank	RPD	D	QC Standard	ndard
QC Batch	Parameter	Date	% Recovery QC Limits	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	QC Limits Recovery QC Limits	QC Limits
8027744	Dissolved Chromium (Cr)	2022/05/31	93	80 - 120	66	80 - 120	<0.0010	mg/L				
8027744	Dissolved Cobalt (Co)	2022/05/31	62	80 - 120	100	80 - 120	<0.00020	mg/L				
8027744	Dissolved Copper (Cu)	2022/05/31	88	80 - 120	26	80 - 120	<0.00020	mg/L				
8027744	Dissolved Iron (Fe)	2022/05/31	63	80 - 120	102	80 - 120	<0.0050	mg/L				
8027744	Dissolved Lead (Pb)	2022/05/31	16	80 - 120	96	80 - 120	<0.00020	mg/L				
8027744	Dissolved Lithium (Li)	2022/05/31	91	80 - 120	26	80 - 120	<0.0020	mg/L				
8027744	Dissolved Manganese (Mn)	2022/05/31	91	80 - 120	66	80 - 120	<0.0010	mg/L				
8027744	Dissolved Molybdenum (Mo)	2022/05/31	86	80 - 120	101	80 - 120	<0.0010	mg/L				
8027744	Dissolved Nickel (Ni)	2022/05/31	06	80 - 120	66	80 - 120	<0.0010	mg/L				
8027744	Dissolved Selenium (Se)	2022/05/31	86	80 - 120	104	80 - 120	<0.00010	mg/L				
8027744	Dissolved Silicon (Si)	2022/05/31	102	80 - 120	110	80 - 120	<0.10	mg/L				
8027744	Dissolved Silver (Ag)	2022/05/31	56	80 - 120	86	80 - 120	<0.000020	mg/L				
8027744	Dissolved Strontium (Sr)	2022/05/31	NC	80 - 120	92	80 - 120	<0.0010	mg/L				
8027744	Dissolved Thallium (Tl)	2022/05/31	91	80 - 120	92	80 - 120	<0.000010	mg/L				
8027744	Dissolved Tin (Sn)	2022/05/31	86	80 - 120	86	80 - 120	<0.0050	mg/L				
8027744	Dissolved Titanium (Ti)	2022/05/31	96	80 - 120	101	80 - 120	<0.0050	mg/L				
8027744	Dissolved Uranium (U)	2022/05/31	94	80 - 120	98	80 - 120	<0.00010	mg/L				
8027744	Dissolved Vanadium (V)	2022/05/31	92	80 - 120	97	80 - 120	<0.0050	mg/L				
8027744	Dissolved Zinc (Zn)	2022/05/31	92	80 - 120	101	80 - 120	<0.0050	mg/L				
8027744	Dissolved Zirconium (Zr)	2022/05/31	66	80 - 120	100	80 - 120	<0.00010	mg/L				
8032894	Dissolved Sulphate (SO4)	2022/06/03	104	80 - 120	107	80 - 120	<0.50	mg/L	1.4	20		



QUALITY ASSURANCE REPORT(CONT'D)

Agnico-Eagle Site Location: MELIADINE

Your P.O. #: OL-1129375 Sampler Initials: DM

			Matrix Spike	Spike	SPIKED BLANK	BLANK	Method Blank	Slank	RPD	0	QC Standard	Idard
QC Batch	Parameter	Date	% Recovery	QC Limits	Recovery QC Limits % Recovery QC Limits	QC Limits	Value	UNITS	Value (%) QC Limits % Recovery QC Limits	QC Limits	% Recovery	QC Limits
8032895	8032895 Dissolved Sulphate (SO4)	50/90/2707	NC	80 - 120	106	80 - 120	<0.50	mg/L				

N/A = Not Applicable

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

QC Standard: A sample of known concentration prepared by an external agency under stringent conditions. Used as an independent check of method accuracy.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

(1) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.



Site Location: MELIADINE Your P.O. #: OL-1129375 Sampler Initials: DM

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

Cristia Carriere
Cristina Carriere, Senior Scientific Specialist
9AT
David Huang, BBY Scientific Specialist
- July
Sze Yeung Fock, B.Sc., Scientific Specialist

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.



applicable regulatory guidelines.

Agnico-Eagle

Site Location: MELIADINE Your P.O. #: OL-1129375 Sampler Initials: DM

Exceedance Summary Table – Metal Mining Effluent Reg Result Exceedances

Sample ID	Bureau Veritas ID	Parameter	Criteria	Result	DL	UNITS
No Exceedances						
The exceedance summary tab	le is for information purp	oses only and should not	be considered a comprehe	nsive listing of	or statement of co	onformance to





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Α	REPORT DATE: MONTH – DAY 05-24-2022	-YE	AR		20:	ORT TIM 45	ΙE			IGINAL SPILL	. REPORT,	REPORT NUMBER
В	OCCURRENCE DATE: MONTH	– DA	Y – YEAR				CE TIME			DATE #	SPILL REPORT	·
ט	Unknown				Un	kno					OF ILL TILL OIT	
С	KVPL11D01	(IF AP	PLICABLE)				TER LICENCE BB-MEL		R (IF AP	PPLICABLE)		
D	GEOGRAPHIC PLACE NAME (Meliadine Gold P			FROM NAMED L	OCAT	ON	REGION	X NUNAVU	ıT		T JURISDICTION	J OR OCEAN
	LATITUDE	•				LC	NGITUDE	ANUNAVU	1	LI ADJACEN	JUNISDICTIO	1 OR OCEAN
Е	DEGREES 63 RESPONSIBLE PARTY OR VE			SECONDS 21			GREES 9			MINUTES	13	SECONDS 41
F	Agnico Eagle Min	ies		Meliadin	e, R	anki	n Inlet,	Nunavı		(0C 0G0		
G	ANY CONTRACTOR INVOLVED Orbit Garant)		Val d'Or,				CATION				
	PRODUCT SPILLED			QUANTITY IN LI	TRES,	KILOG	RAMS OR CL	JBIC METRE	ES L	J.N. NUMBER		
Н	Various Substance			Unknow						N/A		
''	SECOND PRODUCT SPILLED N/A	(IF AF	PPLICABLE)	QUANTITY IN LI	ITRES,	KILOG	RAMS OR CL	JBIC METRE		J.N. NUMBER N/A		
	SPILL SOURCE			SPILL CAUSE								N SQUARE METRES
I	Under Investigati			Unknowr						Unknov		
J	FACTORS AFFECTING SPILL O	or re	ECOVERY	N/A	' ASSIS	STANCE	REQUIRED			N/A	PERSONS, PRO	OPERTY OR EQUIPMENT
	ADDITIONAL INFORMATION, O	COMM	IENTS, ACTIONS PROPOS	SED OR TAKEN T	O CO1	ITAIN, F	RECOVER OF	R DISPOSE	OF SPI	ILLED PRODU	JCT AND CONT	AMINATED MATERIALS
K	condition. Pursuant to Part investigation is c Location of spill: Contact information	om 63	pleted. 0'25.75"N 92 1	2'35.29''W		·						
L	REPORTED TO SPILL LINE BY Sara Savoie	,	POSITION Env. Gen Supe	ervisor	EMPI AE	OYER				TION CALLIN	G FROM	TELEPHONE 819-856-9349
M	ANY ALTERNATE CONTACT Matt Gillman		POSITION Env. Super. In			.OYER			ALTEF	RNATE CONT.	ACT	ALTERNATE TELEPHONE 519-373-6249
				REPORT LIN	E USI	ONLY	,					
N	RECEIVED AT SPILL LINE BY		POSITION		EMPL	.OYER			LOCA	TION CALLED)	REPORT LINE NUMBER
IN			STATION OPERATOR						YELLO	OWKNIFE, NT		(867) 920-8130
LEAD	AGENCY DEC DCCG DC	GNWT	GN □ ILA □ INAC	□ NEB □ TC	S	IGNIFIC	CANCE MI	NOR 🗆 MA	JOR [UNKNOWN	FILE STAT	TUS OPEN CLOSED
AGE	NCY	CON	TACT NAME		С	ONTAC	TTIME		RE	EMARKS		
LEAD) AGENCY				_							
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THIR	D SUPPORT AGENCY											

Follow Up Report: #2022206 May 24th, 2022 A8 Post Drilling



The following information refers to a spill reported by Agnico Eagle Mines Limited (AEM) on May 24th, 2022, and is being provided in accordance with:

- the Nunavut Water Board License 2BB-MEL1424 Water License, part H, item 4c;
- the Fisheries Act subsection 38(7).

Description of the Incident:

On May 24th, 2022, during a post drilling visual inspection AEM identified material related to drilling activities on lake B38. Similar to report 2002188 activities to cleanup the material were immediately initiated.



Figure 1: Lake B38 location

Spill Response & Clean-up:

After the inspection, Orbit Garant and AEM's Exploration Geology and Environment Departments began a collaborative effort to clean up lake B38 and the shore of lake B38 on a regular basis, pending conditions were safe to proceed. The clean-up efforts began on May 24th, 2022 and were completed on May 29th, 2022. Each clean-up activity is documented in Table 1.

Some materials were frozen in place and couldn't be removed safely such as freshwater lines. These items were identified with buoys and GPS locations and will be removed by helicopter when safe to do so during the ice-free season.



Figure 2: Drilling debris clean-up from clean-up efforts on May 29th, 2022

Table 1 – Clean-up activities from May 24th to May 29th

Date 💌	Time	Lake 🛂	Material collected	LAT 💌	LONG <u></u>	Phot(Photo#	Comments
5/24/2022	14:51	B38	Drill casing (laying on the ground)	540543.94	6986477	Yes	20220525-01	Drill casing not installed; laying on top of tundra (Orbit to recover)
5/25/2022	12:33	B38	Drill Cuttings	540060.13	6986734.23	Yes	20250525-02	Drill cuttings were hand shoveled and brought back to site for disposal
5/29/2022		B38	Various materials			Yes	20220529-B38-1	Geology team conducted a large clean up around B38

Cause of the Incident and Corrective Measures:

Similar to spill 2022188, the cause of the event has been attributed to a combination of three factors. Firstly, insufficient follow-up with training and implementation of drilling on ice procedures due to crew reorganizations/shortages as a result of the covid-19 pandemic. Secondly, a high magnitude of snow deposition and drifting in the area which buried the material out-of-site during drill activities. Thirdly, an earlier than expected snowmelt period which inhibited completion of a sufficient post-drilling on ice season clean-up prior to the progression of the 2022 snowmelt period.

As previously explained, a thorough clean-up campaign was implemented on lake B38 to remove debris and substances related to drilling activities (suspected drill cuttings) in the area. The efforts are summarized in Table 1.

In a Letter of Intent date April 28th, 2022 addressed to AEM and shared with CIRNAC and ECCC, Orbit Garant committed to several actions to mitigate spill occurrences during the next drilling on ice season, at various levels of their operations (training, procedures, engineered controls, data collection methodology, etc.).

Furthermore, during a meeting held May 17, 2022, AEM, Orbit Garant, CIRNAC and ECCC discussed the observations made during the 2022 drilling on ice season and identified corrective measures aimed to prevent the occurrence of similar events in the future. In this meeting, AEM and Orbit Garant further committed to the development and implementation of a comprehensive exploration drilling action plan prior to the start of next season's winter drilling.

AEM will submit the comprehensive exploration drilling action plan, prior to start of the next winter drilling season, to the Nunavut Water Board and the Inspector, as well as to ECCC, as agreed with CIRNAC and ECCC.





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В	OCCURRENCE DATE: MONTH	I – DAY – YEAR	occi	JRRENCE TIME		UPDATE # THE ORIGINAL SPILL REPORT	-
С	LAND USE PERMIT NUMBER KVPL11D01	(IF APPLICABLE)	'	WATER LICENC 2AM-MEI		APPLICABLE)	-
D	Meliadine Gold P		N FROM NAMED LOCATI	ON REGION	X NUNAVUT	☐ ADJACENT JURISDICTION	OR OCEAN
Ε	LATITUDE DEGREES 63	MINUTES 2	SECONDS 21	LONGITUDE DEGREES 9	2	MINUTES 13 S	ECONDS 41
F	RESPONSIBLE PARTY OR VE Agnico Eagle Mir		RESPONSIBLE PARTY Meliadine, R	ADDRESS OR OFF	ICE LOCATION		
G	ANY CONTRACTOR INVOLVED Dyno Nobel	D	CONTRACTOR ADDRE	ESS OR OFFICE LOC	CATION		
	PRODUCT SPILLED Ammonium Nitra	te	QUANTITY IN LITRES,	KILOGRAMS OR CL	JBIC METRES	U.N. NUMBER UN1942	
Η	SECOND PRODUCT SPILLED N/A	(IF APPLICABLE)	QUANTITY IN LITRES,	KILOGRAMS OR CU	JBIC METRES	U.N. NUMBER	
	SPILL SOURCE Quatrex Bag		SPILL CAUSE Human error	•		AREA OF CONTAMINATION IN 10	SQUARE METRES
J	FACTORS AFFECTING SPILL (OR RECOVERY	DESCRIBE ANY ASSIS	STANCE REQUIRED		HAZARDS TO PERSONS, PRO	PERTY OR EQUIPMENT
K	The spill clean-up The coordinates of this spill. The near Pursuant to Part investigation is concepted by Rand	o is currently bein of the spill are 63° arest natural wate H, Item 8c of wate	ig completed. 2' 38.96"N, 92 r body (G8) is er license 2AM- ironment Coor	2° 15' 22.11'' 335 m NNE. -MEL1631, a	W. No wa	nium nitrate bag ca ater bodies were im p report will be issi 5 ext. 4603996	pacted by
L	REPORTED TO SPILL LINE BY Randy Schwandt			OYER			FELEPHONE 819-759-3555
M	ANY ALTERNATE CONTACT Matt Gillman	Interim Env. S		OYER M	I	TERNATE CONTACT CATION	ALTERNATE TELEPHONE 519-373-6249
		'	REPORT LINE USE	ONLY	<u> </u>	·	
Ν	RECEIVED AT SPILL LINE BY		EMPL	OYER			REPORT LINE NUMBER
		STATION OPERATOR					(867) 920-8130
	DAGENCY DEC DCCG DC			IGNIFICANCE MII	NOR MAJOF		US OPEN CLOSED
AGE		CONTACT NAME	C	ONTACT TIME		REMARKS	
	O AGENCY IT SUPPORT AGENCY						
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Follow Up Report: #2022221 May 29th, 2022, Ammonium Nitrate Spill



The following information refers to spill 2022221 reported by Agnico Eagle Mines Limited May 29th, 2022, and is being provided in accordance with:

- the Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c.
- Canadian Environmental Protection Act, 1999, Section 201, E2 regulations Facility ID number 1524.

Description of Incident:

On May 29, 2022 at approximately 8:30AM, the plant operator was loading the process belt with 1000 kg bags of Ammonium Nitrate (pellets). During this task the Ammonium Nitrate bag hit the doorway causing the bag to split open, spilling 100 kg of Ammonium Nitrate to the ground.

No water bodies were impacted by this spill. The closest natural water body (G8) is 335 m from the spill location. The coordinates of the spill are 63° 2′ 38.96″N, 92° 15′ 22.11″W (Figure 1)



Figure 1: Location of 100 kg Ammonium Nitrate spill

Spill Response & Cleanup:

The loading process was stopped, and cleanup was started immediately. The emulsion was contained to the local area as identified in Figure 2. It was determined that there was no risk of ignition during spill cleanup activities as emulsion requires high pressure and a heat source for detonation and none of these conditions were present or susceptible of being present during the spill cleanup.



Figure 2: 100 kg Ammonium Nitrate spill

The recuperated Ammonium Nitrate material will be used at the open pit inside bore holes as part of the blast pattern during future events as initially intended.



Figures 3-4: Spill area final cleanup and contaminated material packeted and ready to be disposed

Cause of the Incident and Corrective Measures

The cause of the spill was determined to be human error. The worker moving the Ammonium Nitrate bag caught the side of the bag on the door frame causing the bag to split, spilling the solid pellets to the ground.

Dyno Nobel supervisors reviewed the Operations Procedure with the Dyno Nobel employees to ensure proper work practices are used to prevent future spills that could occur around the loading area. A toolbox meeting with Dyno Nobel team was also conducted by Dyno Nobel supervisors to reiterate the importance of having clear concentration when conducting work - if any employee feels fatigued, this must be reported to the acting supervisor. The operator working when the spill occurred was also met with individually on these topics to ensure understanding and conformance.

A field observation of operator loading practices was conducted to ensure all operators are competent with the equipment. Due to the tight confine of the area, it has been determined that the use of a spotter is not possible due to a safety risk of a spotter during loading operations. This is the first ammonium nitrate spill that occurred in this area since the construction of the plant.





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В	OCCURRENCE DATE: MONTH 06-13-2022	– DAY – YEAR		000 OCCURRE	ENCE TIME		UPDATE # THE ORIGINAL SPILL REPC	RT	
	LAND USE PERMIT NUMBER ((IF APPLICABLE)			WATER LICENCE NUM 2AM-MEL163		APPLICABLE)		
D	Meliadine Gold P	OR DISTANCE AND DIRECTION roject	FROM NAMED LC		REGION □ NWT X NUN	NAVUT	☐ ADJACENT JURISDICT	ON OR OCE	CEAN
Е	LATITUDE DEGREES 63	MINUTES 2	SECONDS 21		LONGITUDE DEGREES 92		MINUTES 13	SECONDS	os 41
F	RESPONSIBLE PARTY OR VES Agnico Eagle Min				oress or office Lo kin Inlet, Nun				
G	ANY CONTRACTOR INVOLVED N/A	D	N/A	DDRESS (OR OFFICE LOCATION	l			
Н	PRODUCT SPILLED Untreated Sewage		QUANTITY IN LIT 25 Liters	RES, KILC	OGRAMS OR CUBIC MI	ETRES	U.N. NUMBER		
П	SECOND PRODUCT SPILLED N/A	(IF APPLICABLE)	QUANTITY IN LIT	RES, KILO	OGRAMS OR CUBIC MI	ETRES	U.N. NUMBER N/A		
I	SPILL SOURCE Wing 2 Lift Statio	n	SPILL CAUSE Equipmer	nt Fail	ure		AREA OF CONTAMINATION	I IN SQUAR	RE METRES
J	FACTORS AFFECTING SPILL ON N/A	OR RECOVERY	N/A	ASSISTAN	CE REQUIRED		HAZARDS TO PERSONS, I	ROPERTY (OR EQUIPMENT
K	The coordinates of this spill. The near Pursuant to Part I investigation is contact to the coordinates of th	t Fairbairn Enviror	ned to the 2' 24.54''N body (G2) clicense 24	local , 92º 1 is 230 AM-ME	area. Clean u 3' 42.60''W. N) m north. EL1631, a foll	p act	tivities are ongoi ater bodies were p report will be is	ng. impact	ted by
L	REPORTED TO SPILL LINE BY Brett Fairbarin	POSITION Env. Coordina		EMPLOYE AEM	R		cation calling from leliadine	819-7	HONE -759-3555
M	ANY ALTERNATE CONTACT Matt Gillman	Interim Env. S		EMPLOYE AEM	R		TERNATE CONTACT leliadine CATION		-373-6249
			REPORT LINE	USE ON	LY				
Ν	RECEIVED AT SPILL LINE BY			EMPLOYE	R		CATION CALLED		T LINE NUMBER
	 	STATION OPERATOR	ENER SEE	0161	FIGANOE FIAMOS F		ELLOWKNIFE, NT	(867) 920	
<u> </u>		GNWT GN GILA GINAC	□ NER □ IC		FICANCE MINOR	MAJO		IAIUS 0	OPEN CLOSED
AGEN		CONTACT NAME		CONT	ACT TIME		REMARKS		
	T SUPPORT AGENCY								
SECO	OND SUPPORT AGENCY								
THIR	D SUPPORT AGENCY								
L (



Follow Up Report: #2022267 June 13th, 2022 – 25 L Sewage Spill

The following information refers to incident #2022267 reported by Agnico Eagle Mines Ltd. June 13th, 2022, and is being provided in accordance with:

the Nunavut Water Board License 2AM-MEL1631 Water License, Part H, item 8c.

Description of Incident

At approximately 7:00 am on June 13th, 2022, an estimated 25 liters of untreated sewage was spilled to the gravel pad from the Wing 2 lift station when two lift station pumps failed to engage.

The coordinates of this spill are 63° 2′ 24.54"N, 92° 13′ 42.60"W. No water bodies were impacted by this spill. The closest water body (G2) is approximately 230 meters north.



Figure 1: Location of sewage spill.

Spill Response & Cleanup

Upon discovery of the spill, a vacuum truck was called to empty the lift station and recover the liquid sewage outside the lift station. The recovered liquid was pumped into the MSB lift station for processing at the sewage treatment plant. The sewage contaminated gravel was scrapped up by a loader and placed in WRSF 1 for final disposal.

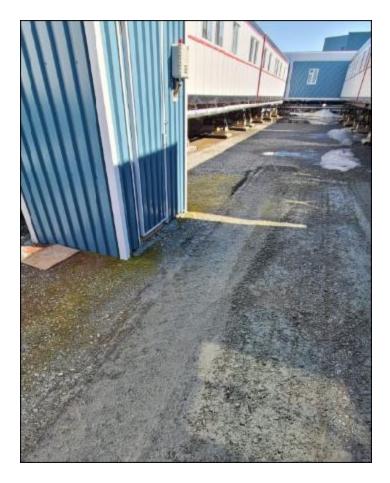


Figure 2: Location of sewage spill post-cleanup.

Cause of Incident and Corrective Measures

A piece of material that was flushed down a toilet jammed the pump causing the overflow. The backup pump in this lift station did not engage as per design. It is suspected that the backup pump was also jammed, and upon stopping and starting the pump the material was dislodged. Both pumps were tested and confirmed to be functional before being put back into service.

A formal site wide communication was distributed to all Meliadine employees and contractors (see Appendix A) conveying the importance of not flushing incorrect materials down toilets. Each lift station is equipped with a local audio/visual alarm; however, AEM is actively investigating options for these alarms to be communicated remotely. AEM is also investigating replacement pumps equipped for grinding solid products for each lift station. AEM has also engaged an external specialist to conduct an audit of the sewage works and provide a report of recommendations.







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В	OCCURRENCE DATE: MONTH	I – DAY – YEAR		20:00	ENCE TIME		☐ UPDATE # TO THE ORIGINAL	SPILL REPORT	
С	LAND USE PERMIT NUMBER (KVPL11D01	(IF APPLICABLE)		1			(IF APPLICABLE)		
D	GEOGRAPHIC PLACE NAME OF Meliadine Gold P		ON FROM NAMED LO	CATION	REGION NWT	X NUNAVU	T □ ADJACEN	T JURISDICTION	OR OCEAN
Е	LATITUDE DEGREES 63	MINUTES 2	SECONDS 21		LONGITUDE DEGREES	92	MINUTES	13 si	ECONDS 41
F	RESPONSIBLE PARTY OR VER		RESPONSIBLE PA				on It, XOC OG()	
G	ANY CONTRACTOR INVOLVED N/A	D	CONTRACTOR AD	DRESS (OR OFFICE LO	CATION			
	PRODUCT SPILLED Untreated Sewag	e	QUANTITY IN LITE 50 Liters	RES, KILC	GRAMS OR C	UBIC METRE	U.N. NUMBER	R	
Н	SECOND PRODUCT SPILLED N/A	(IF APPLICABLE)	QUANTITY IN LITE	RES, KILC	GRAMS OR C	UBIC METRE	S U.N. NUMBER	R	
I	SPILL SOURCE Wing 2 Lift Statio	n	SPILL CAUSE Equipmen	t Fail	ure		AREA OF CO	ntamination in	SQUARE METRES
J	FACTORS AFFECTING SPILL (OR RECOVERY	DESCRIBE ANY A	SSISTAN	CE REQUIRED)	HAZARDS TO	PERSONS, PRO	PERTY OR EQUIPMENT
K	The coordinates of this spill. The near this spill. The near this spill investigation is converted by Brett Brett.Fairbairn@a	of the spill are 63 arest natural wate H, Item 8c of wate ompleted. t Fairbairn Enviro	° 2' 24.54''N, er body (G2) er license 2A onment Coor	92° 1 is 230 .M-ME	3' 42.60') m north EL1631, a	'W. No v n. a follow	water bodie	es were im	pacted by
L	REPORTED TO SPILL LINE BY Brett Fairbarin	POSITION Env. Coordir		MPLOYE AEM	R		LOCATION CALLIN		ELEPHONE 819-759-3555
M	ANY ALTERNATE CONTACT Matt Gillmen	POSITION Interim Env.	_	MPLOYE AEM	R	I	ALTERNATE CONT Meliadine LOCATION		LTERNATE TELEPHONE 519-373-6249
		<u>'</u>	REPORT LINE	USE ON	LY			<u>, </u>	
Ν	RECEIVED AT SPILL LINE BY	POSITION STATION OPERATOR	E	MPLOYE	R		LOCATION CALLE		REPORT LINE NUMBER 867) 920-8130
LEAD	AGENCY DEC DCCG DC	GNWT □ GN □ ILA □ INA	C □ NEB □ TC	SIGNIF	FICANCE M	INOR MAJ	IOR UNKNOWN	FILE STATE	JS □ OPEN □ CLOSED
AGE	NCY	CONTACT NAME		CONTA	ACT TIME		REMARKS	l .	
LEAD) AGENCY								
FIRS	T SUPPORT AGENCY								
SEC	OND SUPPORT AGENCY								
THIR	D SUPPORT AGENCY								

Follow Up Report: #2022357 July 7th, 2022 – 50 L Sewage Spill



The following information refers to incident #2022357 reported by Agnico Eagle Mines Ltd. (Agnico Eagle) on July 8th, 2022, and is being provided in accordance with:

• the Nunavut Water Board License 2AM-MEL1631 Water License, Part H, item 8c.

Description of Incident

At approximately 8:00 pm on July 7th, 2022, an estimated 50 liters of untreated sewage was spilled to the gravel pad from the Wing 2 lift station when two lift station pumps failed to engage.

The coordinates of this spill are 63° 2′ 24.54"N, 92° 13′ 42.60"W. No water bodies were impacted by this spill. The closest water body (G2) is approximately 230 meters north.



Figure 1: Location of sewage spill.

Spill Response & Cleanup

Upon discovery of the spill, a vacuum truck was dispatched to empty the lift station and recover the liquid sewage outside the lift station. The recovered liquid was pumped into the Mine Services Building (MSB) lift station for processing at the sewage treatment plant. The sewage contaminated gravel was scrapped up by a loader and placed in Waste Rock Storage Facility 1 for final disposal.



Figure 2: Location of sewage spill post-cleanup.

Cause of Incident and Corrective Measures

An electrician and plumber were sent to inspect if the lift station to determine the cause of the overflow. A piece of material presumed to have been flushed down a toilet had jammed a pump. A backup pump in this lift station did not engage as it was also jammed with waste material. Material was cleaned from both pump inlets, the pumps were tested and were operating as designed and put back into service. Installation of a new 20 amp breaker was completed on July 8th as a preventative maintenance measure.

Each lift station is equipped with two Liberty ProVore 1HP 120 volt sewage grinder pumps. Each grinder pump has a cutting element located at the inlet that is subject to wear/tear, which could result in reduced cutting performance and clogging. An audit of each grinder pump is underway to assess the conditions of the cutting elements and replace them as required. Each lift station is also equipped with a local audio/visual alarm; however, AGNICO EAGLE is actively investigating options for these alarms to be communicated remotely.

GCM Consultants has been contracted to complete an audit on the entire sewage system used at the Meliadine site from August 3rd-9th. An audit report with recommendations will be provide to AGNICO EAGLE and potential system enhancements will be communicated to CIRNAC.





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Α	REPORT DATE: MONTH – DAY – YEAR 07-29-2022			REPORT TIME 9:35			▼ORIGINAL SPILL REPORT, OR		REPORT NUMBER	
В	OCCURRENCE DATE: MONTH – DAY – YEAR 07-28-2022			OCCURRENCE TIME 11:30			☐ UPDATE # TO THE ORIGINAL :	SPILL REPORT		
С	LAND USE PERMIT NUMBER (IF APPLICABLE) KVPL11D01				WATER LICENCE NUMBER (IF APPLICABLE) 2AM-MEL1631					
D	Meliadine Gold P	OCATION	TION REGION NWT MUNAVUT DADJACENT JURISDICTION OR OCEAN							
Е	LATITUDE DEGREES 63	seconds 21	LONGITUDE DEGREES 92			MINUTES	MINUTES 13 SECONDS 41			
F	RESPONSIBLE PARTY OR VES		RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION Meliadine, Rankin Inlet, Nunavut, X0C 0G0							
G	ANY CONTRACTOR INVOLVED Dyno Nobel	CONTRACTOR .	CONTRACTOR ADDRESS OR OFFICE LOCATION N/A							
ш	PRODUCT SPILLED Emulsion	QUANTITY IN LI	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 2m3				U.N. NUMBER UN0332			
	SECOND PRODUCT SPILLED (IF APPLICABLE) N/A		QUANTITY IN LI	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES N/A			U.N. NUMBER			
Ι	SPILL SOURCE Emulsion tank	SPILL CAUSE Human e	SPILL CAUSE Human error				AREA OF CONTAMINATION IN SQUARE METRES 10			
J				ESCRIBE ANY ASSISTANCE REQUIRED			N/A	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT N/A		
K	The coordinates of the spill are 63° 2' 39.54"N, 92° 15' 20.33"W. No water bodies were impacted by this spill. The nearest natural water body (G8) is 315 m NNE. Pursuant to Part H, Item 8c of water license 2AM-MEL1631, a follow up report will be issued after the investigation is completed. E2 regulations Facility ID number 1524. Reported by Randy Schwandt Environment Coordinator 819-759-3555 ext. 4603996 randy.schwandt@agnicoeagle.com.									
L	REPORTED TO SPILL LINE BY POSITION Randy Schwandt Env.						LOCATION CALLING		ELEPHONE 819-759-3555	
M	ANY ALTERNATE CONTACT Sara Savoie			AEM	-		ALTERNATE CONTA Meliadine LOCATION	-	RITERNATE TELEPHONE 819-759-3555	
REPORT LINE USE ONLY										
N	RECEIVED AT SPILL LINE BY POSITION STATION OPERATOR		PERATOR	EMPLOYER			LOCATION CALLED YELLOWKNIFE, NT		REPORT LINE NUMBER 867) 920-8130	
LEAD AGENCY EC CCG GNWT GN ILA INAC NE			ILA 🗆 INAC 🗆 NEB 🗆 TC	C SIGNIFICANCE MINOR MAJOF			JOR 🗆 UNKNOWN	R □ UNKNOWN FILE STATUS □ OPEN □ CLOSED		
AGENCY CONTACT NAME				CONTACT TIME		REMARKS	REMARKS			
LEAD) AGENCY									
FIRS	T SUPPORT AGENCY									
	OND SUPPORT AGENCY									
IHIK	D SUPPORT AGENCY									



August 24th, 2022

Christine Wilson
Water Resource Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
XOC 0G0

Sent via email: <u>Christine.Wilson3@rcaanc-cirnac.gc.ca</u>

Re.: Follow-up Report: Spill #2022357— Release of 2m³ of Emulsion at the Meliadine Gold Project

On July 29th, 2022, the Nunavut Spill Line was notified by AEM personnel via email (spills@gov.nt.ca) of a spill of approximately 2m³ of emulsion at the Meliadine Gold Project site (spill location coordinates: 63° 2′ 39.54"N, 92° 15' 20.33", E2 regulations Facility ID#1524.). This follow-up report provides supplemental information based on the results of the incident investigation conducted for this incident and is being provided in accordance with:

the Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c.

Description of Incident

On July 28th, 2022, at approximately 11:30 am, an estimated 2m³ of emulsion was spilled on surface at the emulsion plant. An overflow from tank RU7000 (T3) occurred during underground emulsion production. No water bodies were impacted by this spill. The closest water body (G8) is approximately 315 meters north as seen in Figure 1.





Figure 1: Location of emulsion spill and proximity to water bodies.

Spilled emulsion was pumped into a tote for reuse. Residual emulsion not suitable for reuse was hand excavated and will be placed into open pit boreholes for final disposal as per the Explosives Management Plan.

Root Causes and Corrective Measures

An investigation was conducted soon after the incident occurred to determine the root causes and contributing factors. The investigation concluded with the following:

Prior to manufacturing the batch of emulsion, the tank inventory sheet was verified to ensure there would be enough room to produce the required amount of emulsion. However, it was later discovered that an



error was made on the available underground emulsion tank inventory which led to the emulsion production tank overflowing.

The process in place to verify tank inventory prior to the production of emulsion needs to be strengthened.

The following corrective and preventative actions have been implemented to address the root causes and to reduce the likelihood of reoccurrence:

- The tank inventory sheet is now updated by the person filling bins/producing emulsion;
- A field for weights/quantities on the back of the work cards has been added as a reminder;
- All operators indicate what bins have been loaded and emulsion produced on the back of their work cards
- High level sensor has been installed on August 23rd
- The site supervisor now verifies tank inventory daily and compares it to billing information;
- Each time tanks are emptied a visual confirmation is made and noted on the inventory sheet;
- Visual confirmation of the tank level is made prior to large production blends (>10,000kg).

Should you have any questions or require further information, please do not hesitate to contact the undersigned.



Randy Schwandt | Environment Coordinator randy.schwandt@agnicoeagle.com | Direct 819.759.3555 x4603996 | Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0



Appendix – Photos





Photo 1: Emulsion spill at tank RU7000



Photo 2: Spill remediation beneath tank RU7000





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

Α	REPORT DATE: MONTH – DAY – 08-03-2022	-YEAR	REPOR 15: 3		IME		▼ORIGINAL SPILL REPORT, OR		REPORT NUMBER	
В	OCCURRENCE DATE: MONTH -	- DAY – YEAR	1	OCCURRENCE TIME		☐ UPDATE # TO THE ORIGINAL S	PILL REPORT	-		
С	LAND USE PERMIT NUMBER (II KVPL11D01	F APPLICABLE)		WATER LICENCE NUMBER (IF APPLICABLE) 2AM-MEL1631						
D	GEOGRAPHIC PLACE NAME OF Meliadine Gold Pr		FROM NAMED LC	D LOCATION REGION NWT MININAVUT D ADJACENT JURISDICTION OR OCEAN						
Е	LATITUDE DEGREES 63	MINUTES 2	SECONDS 21		LONGITUDE DEGREES	92	MINUTES 1	1 3 SE	conds 41	
F	Agnico Eagle Mine		RESPONSIBLE P. Meliadine				on ut, X0C 0G0			
G	ANY CONTRACTOR INVOLVED N/A		CONTRACTOR A	DDRESS (OR OFFICE LO	CATION				
	PRODUCT SPILLED Untreated Sewage)	QUANTITY IN LIT	,	OGRAMS OR C	UBIC METRI	U.N. NUMBER			
Н	SECOND PRODUCT SPILLED (I	F APPLICABLE)	QUANTITY IN LIT	RES, KILC	OGRAMS OR C	UBIC METRI	U.N. NUMBER			
Ι	SPILL SOURCE Wing 10 Lift Station	on	SPILL CAUSE Human er	ror			AREA OF CONT	TAMINATION IN S	SQUARE METRES	
J	FACTORS AFFECTING SPILL O	R RECOVERY	DESCRIBE ANY ASSISTANCE REQUIRED N/A				HAZARDS TO P	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT N/A		
the industrial pad. The spill was contained to the local area. The coordinates of the spill are 63° 2' 22.89"N, 92° 13' 49.64"W. No water bodies were impacted this spill. The nearest natural water body (G2) is 200 m north. K Pursuant to Part H, Item 8c of water license 2AM-MEL1631, a follow up report will be issued after investigation is completed. Reported by Randy Schwandt Environment Coordinator 819-759-3555 ext. 4603996 Randy.schwandt@agnicoeagle.com; kyle.conway@agnicoeagle.com ext. 4603212										
L	REPORTED TO SPILL LINE BY Randy Schwandt	POSITION Env. Coordina					LOCATION CALLING Meliadine		ELEPHONE 819-759-3555	
M	ANY ALTERNATE CONTACT Kyle Conway	POSITION General Super		EMPLOYE AEM	R		ALTERNATE CONTAC Meliadine LOCATION		R19-759-3555	
		ı	REPORT LINE	USE ON	LY					
N	RECEIVED AT SPILL LINE BY	POSITION STATION OPERATOR		EMPLOYE	R		LOCATION CALLED YELLOWKNIFE, NT		EPORT LINE NUMBER 867) 920-8130	
LEAD	AGENCY DEC DCCG DG	NWT GN ILA INAC	□ NEB □ TC	SIGNII	FICANCE M	INOR 🗆 MA	JOR UNKNOWN	FILE STATU	S □ OPEN □ CLOSED	
AGENCY CONTACT NAME				CONTA	ACT TIME		REMARKS	REMARKS		
LEAD	AGENCY									
FIRST SUPPORT AGENCY										
SEC	OND SUPPORT AGENCY									
THIR	D SUPPORT AGENCY									



August 30th, 2022

Christine Wilson
Water Resource Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
XOC 0G0

Sent via email: <u>Christine.Wilson3@rcaanc-cirnac.gc.ca</u>

Re.: Follow-up Report: Spill #2022395— Release of 400 L of Untreated Sewage at the Meliadine Gold Project

On August 3rd, 2022, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a spill of approximately 400 L of untreated sewage at the Meliadine Gold Project site (spill location coordinates: 63° 2′ 22.89"N, 92° 13′ 49.64"). This follow-up report provides supplemental information based on the results of the incident investigation conducted for this incident and is being provided in accordance with:

the Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c

Description of Incident

On August 2nd, 2022, at approximately 7:00 pm, an estimated 400 L of untreated sewage was spilled on the industrial pad due to an overflow of the Wing 10 lift station. No water bodies were impacted by this spill. The closest water body (G2) is approximately 200 meters north, as seen in Figure 1.





Figure 1: Location of untreated sewage spill and proximity to water bodies.

Upon discovery of the spill, a vacuum truck was dispatched to empty the lift station and recover the liquid sewage outside the lift station. An estimated 30 L of free liquid was obtained with the vacuum truck and 1 m³ of surface material was brought to Landfarm A as per section 3.4.4 in the Landfarm Management Plan.



Root Causes and Corrective Measures

An investigation was conducted soon after the incident occurred to determine the root causes and contributing factors. The investigation concluded with the following:

• A plumber closed a valve to perform an inspection of the Wing 10 lift station and failed to open the valve upon completion.

The following corrective and preventative actions have been implemented to address the root causes and to reduce the likelihood of reoccurrence:

- The importance of a workplace inspection prior to and after completing work was discussed with all teams during the Weekly Safety Meeting.
- A maintenance procedure is currently being created to outline proper practices for maintenance on a lift station.

Should you have any questions or require further information, please do not hesitate to contact the undersigned.



Randy Schwandt | Environment Coordinator randy.schwandt@agnicoeagle.com | Direct 819.759.3555 x4603996 | Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada XOC 0G0

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Sent from Meliadine



Appendix – Photos





Photo 1: Wing 10 lift station untreated sewage spill.



Photo 2: Spill remediation area.





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

Α	REPORT DATE: MONTH – DAY 08-03-2022	– YEAR		PORT TIME 8:00	00		☐ ORIGINAL SPILL REPORT,		REPORT NUMBER	
В	OCCURRENCE DATE: MONTH			OCCURRENCE TIME			OR X UPDATE # <u>1</u> TO THE ORIGINAL	SPILL REPORT	20 - 22425	
	08-02-2022 LAND USE PERMIT NUMBER ((IF APPLICABLE)	10	WATER LICENCE NUMBER (IF APPLICABLE)						
С	KVPL11D01	(,,		2AM-MEL1631						
D	GEOGRAPHIC PLACE NAME OF Meliadine Gold P		ON FROM NAMED LOCA		EGION NWT	X NUNAVUT		T JURISDICTION	OR OCEAN	
_	LATITUDE	•			ITUDE	ANONAVOI	□ ADJACEN	TORISDICTION	ON OCEAN	
Е	DEGREES 63	MINUTES 2	SECONDS 21		EES 9		MINUTES	13 SI	ECONDS 41	
F RESPONSIBLE PARTY OR VESSEL NAME Agnico Eagle Mines Ltd. RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION Meliadine, Rankin Inlet, Nunavut,)		
G	ANY CONTRACTOR INVOLVED N/A	D	CONTRACTOR ADD	RESS OR OF	FICE LO	CATION				
	PRODUCT SPILLED	QUANTITY IN LITRE	S, KILOGRAI	MS OR C	UBIC METRES		R			
Н	Untreated sewage	20 Litres				N/A				
''	SECOND PRODUCT SPILLED $\mathbf{N/A}$	QUANTITY IN LITRE N/A	S, KILOGRAI	MS OR C	UBIC METRES	N/A	3			
1	SPILL SOURCE	SPILL CAUSE		4.		_	NTAMINATION IN	SQUARE METRES		
_	Wing C Lift Statio		Equipment malfunction				1			
J	N/A ADDITIONAL INFORMATION, C		N/A	DESCRIBE ANY ASSISTANCE REQUIRED N/A				N/A		
An overflow occurred at the wing c lift station resulting in a spill of 20 L of untreated sewage to the industrial pad. The spill was contained to the local area. The coordinates of the spill are 63° 2′ 23.09′′N, 92° 13′ 32.69′′W. No water bodies were impacted by this spill. The nearest natural water body (G2) is 360 m northwest. Pursuant to Part H, Item 8c of water license 2AM-MEL1631, a follow up report will be issued after the investigation is completed. Reported by Randy Schwandt Environment Coordinator 819-759-3555 ext. 4603996 Randy.schwandt@agnicoeagle.com , kyle.conway@agnicoeagle.com ext. 4603212										
L	REPORTED TO SPILL LINE BY Randy Schwandt						ocation callin		ELEPHONE 819-759-3555	
M	ANY ALTERNATE CONTACT Kyle Conway	POSITION General Superior	EM	PLOYER EM		-	ALTERNATE CONT Meliadine	ACT A	RTERNATE TELEPHONE 819-759-3555	
	-		REPORT LINE U	SE ONLY						
N	RECEIVED AT SPILL LINE BY	POSITION	EM	PLOYER			OCATION CALLE		REPORT LINE NUMBER	
		STATION OPERATOR				I	YELLOWKNIFE, N		867) 920-8130	
	LEAD AGENCY EC CCG GNWT GN ILA INAC NEB AGENCY CONTACT NAME			SIGNIFICAN CONTACT T		INOR MAJ	OR UNKNOWN	FILE STATU	JS □ OPEN □ CLOSED	
) AGENCY	CONTACT NAME		CONTACT	IIVIC		NEWIARKS			
FIRST SUPPORT AGENCY										
SEC	OND SUPPORT AGENCY									



September 1st, 2022

Christine Wilson
Water Resource Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
XOC 0G0

Sent via email: <u>Christine.Wilson3@rcaanc-cirnac.gc.ca</u>

Re.: Follow-up Report: Spill #2022397— Release of 20 L of Untreated Sewage at the Meliadine Gold Project

On August 3rd, 2022, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a spill of approximately 20 L of untreated sewage at the Meliadine Gold Project site (spill location coordinates: 63° 2′ 23.09"N, 92° 13′ 32.69"). This follow-up report provides supplemental information based on the results of the incident investigation and is being provided in accordance with:

• the Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c.

Description of Incident

On August 2nd, 2022, at approximately 6:00 pm, an estimated 20 L of untreated sewage was spilled on the industrial pad due to an overflow of the Wing C lift station. No water bodies were impacted by this spill. The closest water body (G2) is approximately 360 meters northwest, as seen in Figure 1.





Figure 1: Location of sewage spill and proximity to water bodies.

Upon discovery of the spill, a vacuum truck was dispatched to empty the lift station and recover the untreated sewage outside the lift station. Free liquid was pumped back into the main camp lift station. Absorbent pads were deployed to collect the remaining liquid and packaged for offsite disposal at a licensed disposal facility. The impacted surface was hand excavated and an estimated 15 kg of material was brought to Landfarm A as per section 3.4.4 in the Landfarm Management Plan.

Root Causes and Corrective Measures

An investigation was conducted soon after the incident occurred to determine the root causes and contributing factors. The investigation concluded with the following:



• The high-level sensor (float) in the lift station was stuck in the low-level position and did not activate the pump or the alarm in the lift station. A contributing factor to this malfunction was the material within the lift station was too thick.

The following corrective and preventative actions have been implemented to address the root causes and to reduce the likelihood of reoccurrence:

The waste streams sent to the lift station were evaluated. The lift station received waste from the
Wing C accommodations as well as the Sewage Treatment Plant's (STP) sludge dewatering system.
Waste collected from the sludge handling system is now directed to the fine screen tank of the
STP to reduce the likelihood of the high-level sensor becoming stuck.

Should you have any questions or require further information, please do not hesitate to contact the undersigned.



Randy Schwandt | Environment Coordinator randy.schwandt@agnicoeagle.com | Direct 819.759.3555 x4603996 | Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0

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Sent from Meliadine



Appendix – Photos





Photo 1: Wing-C lift station spill



Photo 2: Wing C lift station spill remediation





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

Α	REPORT DATE: MONTH – DAY – 08-10-2022		117:30			▼ORIGINAL SPILL OR	REPORT,	REPORT NUMBER		
В	OCCURRENCE DATE: MONTH - 08-09-2022	DAY – YEAR		OCCURR 21:00	TC		UPDATE #TO THE ORIGINAL S	SPILL REPORT	-	
	LAND USE PERMIT NUMBER (IF	APPLICABLE)		WATER LICENCE NUMBER (IF 2AM-MEL1631			I R (IF APPLICABLE)			
D	GEOGRAPHIC PLACE NAME OF Meliadine Gold Pro		ON FROM NAMED LO	OCATION						
	LATITUDE	-,			□ NWT ■ NUNAVUT □ ADJACENT JURISDICTION OR OCEAN LONGITUDE					
Е	DEGREES 63	MINUTES 2	SECONDS 21		DEGREES	92		13 SE	CONDS 41	
F	RESPONSIBLE PARTY OR VESS Agnico Eagle Mine		Meliadine				ut, X0C 0G0			
G	ANY CONTRACTOR INVOLVED N/A		CONTRACTOR A	ADDRESS	OR OFFICE	LOCATION				
	PRODUCT SPILLED Wash bay solids		300 Liters	,	OGRAMS OF	CUBIC METRI	U.N. NUMBER			
H	SECOND PRODUCT SPILLED (II	F APPLICABLE)	QUANTITY IN LIT	TRES, KIL	OGRAMS OF	CUBIC METRI	ES U.N. NUMBER			
	SPILL SOURCE		SPILL CAUSE					TAMINATION IN	SQUARE METRES	
I	Meliadine wash ba	·	Human ei	Human error				AREA OF CONTAMINATION IN SQUARE METRES 6		
J	FACTORS AFFECTING SPILL OF N/A	R RECOVERY	N/A	DESCRIBE ANY ASSISTANCE REQUIRED N/A				HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT N/A		
K	Industrial pad. The spill was contained to the local area. The coordinates of the spill are 63° 2′ 20.79″N, 92° 13′ 0.61″W. No water bodies were impacted by this spill. The nearest natural water body (Meliadine Lake) is 265 m east. Pursuant to Part H, Item 8c of water license 2AM-MEL1631, a follow up report will be issued after the investigation is completed. Reported by Brett Fairbairn Environment Coordinator 819-759-3555 ext. 4603996 brett.fairbairn@agnicoeagle.com; kyle.conway@agnicoeagle.com ext. 4603212									
L	REPORTED TO SPILL LINE BY Brett Fairbairn	POSITION Env. Coordin				LOCATION CALLING		ELEPHONE 819-759-3555		
М	ANY ALTERNATE CONTACT Kyle Conway	POSITION General Sup	ervisor	EMPLOYE AEM	ĒR		ALTERNATE CONTA Meliadine LOCATION		R19-759-3555	
		•	REPORT LINE	E USE ON	ILY					
N	RECEIVED AT SPILL LINE BY	POSITION		EMPLOYE	ΕR		LOCATION CALLED	R	EPORT LINE NUMBER	
IN		STATION OPERATOR					YELLOWKNIFE, NT	3)	867) 920-8130	
LEAD	AGENCY DEC DCG DGN	NWT □ GN □ ILA □ INA	C DNEB DTC	SIGN	IFICANCE	MINOR □ MA	JOR UNKNOWN	FILE STATU	IS □ OPEN □ CLOSED	
AGEN	NCY C	ONTACT NAME		CONT	ACT TIME		REMARKS			
LEAD	AGENCY									
FIRS	T SUPPORT AGENCY									
SECC	OND SUPPORT AGENCY									
THIR	D SUPPORT AGENCY									



September 8, 2022

Christine Wilson
Water Resource Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
XOC 0G0

Sent via email: <u>Christine.Wilson3@rcaanc-cirnac.qc.ca</u>

Re.: Follow-up Report: Spill #2022411— Release of 300 L of wash bay solids at the Meliadine Gold Project

On August 10th, 2022, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a spill of approximately 300 L of wash bay solids at the Meliadine Gold Project site (spill location coordinates: 63° 2′ 20.79"N, 92° 13′ 0.61"). This follow-up report provides supplemental information based on the results of the incident investigation and is being provided in accordance with:

• the Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c.

Description of Incident

On August 9th, 2022, at approximately 9:00 pm, an estimated 300 L of wash bay solids was spilled on the industrial pad during the transfer of solids from the vehicle wash bay to a haul truck. No water bodies were impacted by this spill. The closest water body (Meliadine Lake) is approximately 265 meters east, as seen in Figure 1.





Figure 1: Location of wash bay solids spill and proximity to water bodies.

Upon discovery of the spill, a vacuum truck was used to recover the wash bay solids and remediate the impacted area. The recovered material was placed in Landfarm A as per the Landfarm Management Plan.

Root Causes and Corrective Measures

An investigation was conducted soon after the incident occurred to determine the root cause and contributing factors for this incident. The investigation concluded with the following:



• A wash bay waste handling procedure outlining handling and disposal of the wash bay waste streams has not been developed.

The following corrective and preventative actions have been implemented to address the root causes and to reduce the likelihood of reoccurrence:

- A wash bay waste handling and disposal procedure is being developed for the waste streams generated at this facility, and the wash bay attendants will be trained to ensure proper understanding of the procedure; and
- An investigation into thickening agents that bind solids and reduce the water content has been initiated to determine suitability for this application. This may improve handling, transportation, and disposal of the material.

Should you have any questions or require further information, please do not hesitate to contact the undersigned.



Brett Fairbairn | Environment Coordinator brett.fairbairn@agnicoeagle.com | Direct 819.759.3555 x4603996 | Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0

Sent from Meliadine



Appendix – Photos





Photo 1: Wash bay solids spill



Photo 2: Wash bay solids spill remediation





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

Α	REPORT DATE: MONTH – DAY 08-17-2022	-YEAR			18:30		ORIGINAL SPILL REPORT,	REPORT NUMBER			
В	OCCURRENCE DATE: MONTH 08-16-2022	– DAY – YEAR			RENCE TIME		UPDATE # O THE ORIGINAL SPILL REPO	DRT			
С	LAND USE PERMIT NUMBER ((IF APPLICABLE)			WATER LICENCE NUMBER (IF APPLICABLE) 2AM-MEL1631						
D	GEOGRAPHIC PLACE NAME OF Meliadine Gold Programme Cold Programme C		N FROM NAMED L	OCATION	ATION REGION □ NWT MUNAVUT □ ADJACENT JURISDICTION OR OCEAN						
Е	LATITUDE DEGREES 63	MINUTES 2	SECONDS 21	1	LONGITUDE DEGREES	92	MINUTES 13	SECONDS 41			
F	RESPONSIBLE PARTY OR VES Agnico Eagle Min		RESPONSIBLE Meliadin				, X0C 0G0				
G	ANY CONTRACTOR INVOLVED N/A)	CONTRACTOR A	ADDRESS	OR OFFICE LC	CATION					
Н	PRODUCT SPILLED Partially Treated I	QUANTITY IN LI	TRES, KIL	LOGRAMS OR C	UBIC METRES	U.N. NUMBER					
П	SECOND PRODUCT SPILLED N/A	QUANTITY IN LI	TRES, KIL	LOGRAMS OR C	UBIC METRES	U.N. NUMBER					
I	SPILL SOURCE Exploration Bione	est	SPILL CAUSE Unknown	า			AREA OF CONTAMINATIO	N IN SQUARE METRES			
J	FACTORS AFFECTING SPILL ON N/A	OR RECOVERY	DESCRIBE ANY ASSISTANCE REQUIRED N/A				HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT N/A				
K	the vessel is housed in. The coordinates of the spill are 63° 1'44.00"N; 92°10'11.00"W. No water bodies were impacted by this spill. The nearest natural water body (Meliadine Lake) is approximately 100 m S. Pursuant to Part H, Item 8c of water license 2AM-MEL1631, a follow up report will be issued after the investigation is completed. Reported by Brett Fairbairn Environment Coordinator 819-759-3555 ext. 4603996 Brett.Fairbairn@agnicoeagle.com.										
L	REPORTED TO SPILL LINE BY Brett Fairbairn	POSITION Env. Coordina	ator EMPLOYER AEM				OCATION CALLING FROM	TELEPHONE 819-759-3555			
M	ANY ALTERNATE CONTACT Sara Savoie	Env. General	Supervis	AEM		I	TERNATE CONTACT Veliadine CATION	819-856-9349			
		·	REPORT LIN	E USE O	NLY	<u>'</u>					
Ν	RECEIVED AT SPILL LINE BY	POSITION		EMPLOY	ÆR		OCATION CALLED	REPORT LINE NUMBER			
		STATION OPERATOR					ELLOWKNIFE, NT	(867) 920-8130			
LEAD AGENCY EC CCG GNWT GN ILA INAC			□ NEB □ TC			IINOR □ MAJO		STATUS OPEN CLOSED			
AGENCY CONTACT NAME				CON	ITACT TIME		REMARKS				
	T SUPPORT AGENCY										
	OND SUPPORT AGENCY										
	D SUPPORT AGENCY										
min	D GOLL OLLI AGENOT										



September 15th, 2022

Christine Wilson
Water Resource Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
XOC 0G0

Sent via email: <u>Christine.Wilson3@rcaanc-cirnac.gc.ca</u>

Re.: Follow-up Report: Spill #2022425 – Release of 20 L of partially treated bionest Effluent at the Meliadine Gold Project

On August 17th, 2022, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a spill of approximately 20 L of partially treated bionest effluent at the Meliadine Gold Project Exploration Camp site (spill location coordinates: 63° 1′ 44.00"N, 92° 10′ 11.00"). Please note that this spill was originally reported under the Nunavut Water Licence 2AM-MEL1631 whereas it falls under the Nunavut Water Licence 2BB-MEL1424. This follow-up report provides supplemental information based on the results of the incident investigation and is being provided in accordance with:

• the Nunavut Water Board 2BB-MEL1424 Water License, Part H, Item 4c.

Description of Incident

On August 16th, 2022, effluent inside the bionest vessel was found to be leaking through the bolt holes of the seacan the vessel is housed in. No water bodies were impacted by this spill. The closest water body (Meliadine Lake) is approximately 100 meters south as seen in Figure 1.





Figure 1: Location of partially treated bionest effluent spill and proximity to water bodies.

Upon discovery of the spill, sorbent pads and spill trays were place under the bionest seacan to collect partially treated effluent and a vacuum truck was used to ensure the spill trays did not over flow. A frost fighter was used to thaw the remaining partially treated effluent and a Vacuum truck remove the liquid as it thawed. The recovered material was processed through the Meliadine sewage treatment plant.



After removal of the bionest seacans an inspection of the area under the seacan will be completed to determine if further remediation is required.

Root Causes and Corrective Measures

An investigation was conducted soon after the incident occurred to determine the root cause and contributing factors for this incident. The investigation concluded with the following:

Improper shut down and winterization of the Exploration sewage treatment plant.

The following corrective and preventative actions have been implemented to address the root causes and to reduce the likelihood of reoccurrence:

• The bionest secans have been proper drained and are now ready for removal from the Exploration camp as part of the Exploration camp clean up.

Should you have any questions or require further information, please do not hesitate to contact the undersigned.



Brett Fairbairn | Environment Coordinator

brett.fairbairn@agnicoeagle.com | Direct 819.759.3555 x4603996 |

Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0











Appendix – Photos





Photo 1: Bionest partially treated Effluent spill



Photo 2: Bionest partially treated Effluent spill collection





Canada 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

Α	REPORT DATE: MONTH – DAY 09-14-2022				TIME		XORIGINAL SPILL REPORT,		REPORT NUMBER		
<u> </u>	OCCURRENCE DATE: MONTH	– DAY – YEAR		OCCURR	ENCE TIME		OR UPDATE #		-		
В	09-13-2022			8:45	TO THE ORIGINAL SPILL REPORT						
С	KVPL11D01	(IF APPLICABLE)			WATER LICENCE NUMBER (IF APPLICABLE) 2AM-MEL1631						
D	GEOGRAPHIC PLACE NAME (Meliadine Gold P		IRECTION FROM NAMED L	OCATION	ON REGION □ NWT MUNAVUT □ ADJACENT JURISDICTION OR OCEAN						
_	LATITUDE				LONGITUDE		· · · · · · · · · · · · · · · · · · ·				
Е	DEGREES 63	MINUTES 2	SECONDS 21		DEGREES			13 SE	ECONDS 41		
F	RESPONSIBLE PARTY OR VE Agnico Eagle Mir		Meliadin				ut, X0C 0G0				
G	3 N/A CONTRACTOR INVOLVED CONTRACTOR ADDRESS OR OFFICE LOCATION N/A										
	PRODUCT SPILLED Untreated sewage	е	QUANTITY IN LI 25 Litres	,	OGRAMS OR C	CUBIC METRI	U.N. NUMBER N/A				
Η	SECOND PRODUCT SPILLED N/A	QUANTITY IN LI	ITRES, KIL	OGRAMS OR C	CUBIC METRI	U.N. NUMBER					
I	SPILL SOURCE MSB Lift Station	SPILL CAUSE Human E	rror			AREA OF CON	AREA OF CONTAMINATION IN SQUARE METRES				
J	FACTORS AFFECTING SPILL (DESCRIBE ANY	DESCRIBE ANY ASSISTANCE REQUIRED N/A				HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT N/A				
K	After transferring sewage from the vacuum truck to the MSB lift station the transfer line was not drained properly resulting in a 30 L spill of untreated sewage to the industrial pad. The spill was contained to the local area. The coordinates of the spill are 63° 2′ 21.24′′N, 92° 13′ 40.67′′W. No water bodies were impacted by this spill. The nearest natural water body (G2) is 325 m northwest. Pursuant to Part H, Item 8c of water license 2AM-MEL1631, a follow up report will be issued after the investigation is completed. Reported by Brett Fairbairn, Environment Coordinator 819-759-3555 ext. 4603996 Brett.Fairbairn@agnicoeagle.com , Sara.Savoie@agnicoeagle.com ext. 4603212										
L	REPORTED TO SPILL LINE BY Brett Fairbairn				ΕR				ELEPHONE 819-759-3555		
M	ANY ALTERNATE CONTACT Sara Savoie	POSITION General	Supervisor	AEM EMPLOYE AEM	ΞR		ALTERNATE CONTA	.CT A	LTERNATE TELEPHONE 819-856-9349		
	1		REPORT LIN		NLY		LOOAHON				
N.	RECEIVED AT SPILL LINE BY	POSITION		EMPLOYE	ΞR		LOCATION CALLED	R	EPORT LINE NUMBER		
IA	N STATION OPERATOR						YELLOWKNIFE, NT	3)	367) 920-8130		
LEAD AGENCY EC CCG GNWT GN ILA INAC NEB TC				SIGN	IFICANCE 🗆 N	MINOR □ MA	JOR 🗆 UNKNOWN	FILE STATU	JS □ OPEN □ CLOSED		
AGENCY CONTACT NAME			CONT	FACT TIME		REMARKS					
LEAD AGENCY											
FIRS	T SUPPORT AGENCY										
SEC	OND SUPPORT AGENCY										
				1							



October 9th, 2022

Christine Wilson
Water Resource Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
XOC 0G0

Sent via email: Christine.Wilson3@rcaanc-cirnac.gc.ca

Re.: Follow-up Report Spill #2022465 — Release of 25 L of Untreated Sewage at the Meliadine Gold Project

On September 14th, 2022, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a spill of approximately 25 L of untreated sewage at the Meliadine Gold Project site (spill location coordinates: 63° 2′ 21.24"N, 92° 13′ 40.67"). This follow-up report provides supplemental information based on the results of the incident investigation and is being provided in accordance with:

• the Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c.

Description of Incident

On September 13th, 2022, at approximately 8:45 am, an estimated 25 L of untreated sewage was spilled on the industrial pad due to a sewage transfer line not being fully drained when securing it for storage on the vacuum truck. No water bodies were impacted by this spill. The closest water body (G2) is approximately 325 meters northwest, as seen in Figure 1.





Figure 1: Location of sewage spill and proximity to water bodies.

The immediate response from the employee was to stop and clean up spilled material. The employee then contacted his supervisor to report the incident. The impacted surface was hand excavated and an estimated 30 kg of material was brought to Landfarm A as per the Landfarm Management Plan.



Root Causes and Corrective Measures

An investigation was conducted soon after the incident occurred to determine the root causes and contributing factors. The investigation concluded with the following:

- New employee in training and not yet familiar with the task.
- Employees fell behind on their daily sewage run and rushed to catch up on tasks.
- Buddy system was used but co-worker was distracted when line was being stored.

The following corrective and preventative actions have been implemented to address the root causes and to reduce the likelihood of reoccurrence:

Supervisor met with employees to discuss the incident, reviewed the importance of attention to detail and the procedure when manipulating sewage transfer lines.

Should you have any questions or require further information, please do not hesitate to contact the undersigned.



Brett Fairbairn | Environment Coordinator brett.fairbairn@agnicoeagle.com | Direct 819.759.3555 x4603996 | Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0



Appendix - Photos





Photo 1: MSB lift station spill location (post-clean up)





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

Α	REPORT DATE: MONTH – DAY – YEAR 09-14-2022			REPORT TIME 7:20			XORIGINAL SPILL REPORT, OR		REPORT NUMBER		
В	OCCURRENCE DATE: MONTH – 09-13-2022	DAY – YEAR					☐ UPDATE # TO THE ORIGINAL SF	PILL REPORT	-		
	LAND USE PERMIT NUMBER (IF	APPLICABLE)		water licence number (if a 2AM-MEL1631			(IF APPLICABLE)				
D	GEOGRAPHIC PLACE NAME OR Meliadine Gold Pro		N FROM NAMED LO	OCATION							
	LATITUDE	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			LONGITUDE						
Е	DEGREES 63		DEGREES	92	MINUTES 1	3 SE	CONDS 41				
F	RESPONSIBLE PARTY OR VESS Agnico Eagle Mine		Meliadine				ut, X0C 0G0				
G	ANY CONTRACTOR INVOLVED N/A		N/A	DDRESS	OR OFFICE I	LOCATION					
	PRODUCT SPILLED Untreated sewage		QUANTITY IN LIT 30 Litres	TRES, KILO	OGRAMS OR	CUBIC METRI	U.N. NUMBER N/A				
H	SECOND PRODUCT SPILLED (IF N/A	APPLICABLE)	QUANTITY IN LIT	ΓRES, KILO	OGRAMS OR	CUBIC METRI	ES U.N. NUMBER N/A				
	SPILL SOURCE		SPILL CAUSE				AREA OF CONTA	AMINATION IN	SQUARE METRES		
П	MSB Lift Station		Equipmer	nt mal	functio	n	3				
J	FACTORS AFFECTING SPILL OF N/A	DESCRIBE ANY ASSISTANCE REQUIRED N/A				HAZARDS TO PE	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT N/A				
	ADDITIONAL INFORMATION, CO	MMENTS, ACTIONS PROP	OSED OR TAKEN TO	CONTAI	N, RECOVER	OR DISPOSE	OF SPILLED PRODUC	T AND CONTAI	MINATED MATERIALS		
K	The coordinates of the spill are 63° 2′ 21.24′′N, 92° 13′ 40.67″W. No water bodies were impacted by this spill. The nearest natural water body (G2) is 325 m northwest. Pursuant to Part H, Item 8c of water license 2AM-MEL1631, a follow up report will be issued after the investigation is completed. Reported by Brett Fairbairn, Environment Coordinator 819-759-3555 ext. 4603996 Brett.Fairbairn@agnicoeagle.com, Sara.Savoie@agnicoeagle.com ext. 4603212										
L	REPORTED TO SPILL LINE BY Brett Fairbairn	POSITION Env. Coordin				LOCATION CALLING I		ELEPHONE 319-759-3555			
M	ANY ALTERNATE CONTACT Sara Savoie	POSITION General Superior		AEM	ER .		ALTERNATE CONTAC Meliadine LOCATION		LTERNATE TELEPHONE 819-856-9349		
		•	REPORT LINE	E USE ON	ILY						
N I	RECEIVED AT SPILL LINE BY	POSITION		EMPLOYE	:R		LOCATION CALLED	R	EPORT LINE NUMBER		
N		STATION OPERATOR					YELLOWKNIFE, NT	(8	67) 920-8130		
LEAD	AGENCY DEC DCCG DGN	C NEB TC	SIGNI	FICANCE	MINOR □ MA	JOR 🗆 UNKNOWN	FILE STATU	S □ OPEN □ CLOSED			
AGEN	NCY C	ONTACT NAME		CONT	ACT TIME		REMARKS	REMARKS			
LEAD) AGENCY										
FIRS [*]	T SUPPORT AGENCY										
SECC	OND SUPPORT AGENCY										
THIR	D SUPPORT AGENCY										



October 9th, 2022

Christine Wilson
Water Resource Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
XOC 0G0

Sent via email: Christine.Wilson3@rcaanc-cirnac.gc.ca

Re.: Follow-up Report Spill #2022466 – Release of 30 L of Untreated Sewage at the Meliadine Gold Project

On September 14th, 2022, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a spill of approximately 20 L of untreated sewage at the Meliadine Gold Project site (spill location coordinates: 63° 2′ 21.24"N, 92° 13′ 40.67"). This follow-up report provides supplemental information based on the results of the incident investigation and is being provided in accordance with:

the Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c.

Description of Incident

On September 13th, 2022, at approximately 7:30 am, an estimated 30 L of untreated sewage was spilled on the industrial pad due to a loose sewage cleanout cap at the MSB lift station. No water bodies were impacted by this spill. The closest water body (G2) is approximately 325 meters northwest, as seen in Figure 1.





Figure 1: Location of sewage spill and proximity to water bodies.

Spill Response and Remediation

Upon discovery of the spill, a plumber responded to the scene to tighten the cleanout cap. Once the cap was tightened, the sewage droplets were stopped. The impacted surface was hand excavated and an estimated 19 kg of material was brought to Landfarm A as per the Landfarm Management Plan.



Root Causes and Corrective Measures

An investigation was conducted soon after the incident occurred to determine the root causes and contributing factors. The investigation concluded with the following:

- Cleanout cap was not installed correctly when completing the sewage line tie in for new accommodation wings 15 and 16.
- Employee tightening the cleanout cap had a lack of knowledge for the task.
- Inadequate final inspection of the installation.

The following corrective and preventative actions have been implemented to address the root causes and to reduce the likelihood of reoccurrence:

- Qualified staff such as plumbers will be used in the future when working sewage lines and cap installations.
- Final installation inspections will be conducted prior to commissioning of sewage lines.

Should you have any questions or require further information, please do not hesitate to contact the undersigned.



Brett Fairbairn | Environment Coordinator brett.fairbairn@agnicoeagle.com | Direct 819.759.3555 x4603996 | Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0

agnicoeagle.com f 0 🗹 🛅 🕟 Sent from Meliadine









Appendix – Photos





Photo 1: MSB remediated spill area.





Canada 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

REPORT LINE USE ONLY

Α				10:20			XORIGINAL SPILL	REPORT NUMBER			
	OCCURRENCE DATE: MONTH	– DAY –	-YEAR	0				OR □ UPDATE #		-	
В	09-14-2022	1-				5		TO THE ORIGINAL	SPILL REPORT		
С	LAND USE PERMIT NUMBER (KVPL11D01			2AM-ME		(IF APPLICABLE)					
D	GEOGRAPHIC PLACE NAME OF Meliadine Gold P			ROM NAMED L	OCATION	REGION	X NUNAVU	IT □ AD IACEN	T JURISDICTION	OR OCEAN	
_	LATITUDE					LONGITUDE	ANONAVO	DI HADDAOLIN	1 3011301011011	ON OCLAIN	
Ε	DEGREES 63	MINUT		CONDS 21		DEGREES 9		MINUTES	13 SE	CONDS 41	
F	Agnico Eagle Min					odress or off okin Inlet,		on ut, X0C 0G0)		
G	ANY CONTRACTOR INVOLVED N/A	-	N/A	ADDRESS	OR OFFICE LO	CATION					
	PRODUCT SPILLED Untreated sewage		QUANTITY IN LI	ITRES, KIL	OGRAMS OR C	UBIC METRI	U.N. NUMBER	l			
Η	SECOND PRODUCT SPILLED N/A	·	QUANTITY IN LI	ITRES, KIL	OGRAMS OR C	UBIC METRI	U.N. NUMBER	I			
ī	SPILL SOURCE MSB Lift Station	-	PILL CAUSE		4		l -	AREA OF CONTAMINATION IN SQUARE METRES			
	FACTORS AFFECTING SPILL OF				AREA OF CONTAMINATION IN SQUALIFIED AREA OF CONTAMINATION IN SQUALIFIED HAZARDS TO PERSONS, PROPERT						
J	N/A	ON NEO	I .	N/A	ASSISTA	NOE NEQUINED			· ·		
K	The coordinates of this spill. The near this spill. The near this spill investigation is constructed by Brett. Fairbairn@a	of the arest H, Ite ompl t Fair agnic	e spill are 63º 2 natural water b em 8c of water l leted. rbairn, Environ	' 21.24''N oody (G2 license 2 ment Co	N, 92° ⁻) is 32 :AM-M ordina	5 m north EL1631, a ntor 819-7	nwest. a follow 59-355	up report v 5 ext. 46039	vill be issu 96		
L	REPORTED TO SPILL LINE BY Brett Fairbairn			or	AEM	ER		Meliadine		ELEPHONE 819-759-3555	
M	ANY ALTERNATE CONTACT Sara Savoie		osition General Superv	visor	EMPLOY AEM	ER		ALTERNATE CONT Meliadine LOCATION		11 NOTE: 1 NOT	
				REPORT LIN	IE USE OI	NLY					
N	RECEIVED AT SPILL LINE BY	P	OSITION		EMPLOY	ER		LOCATION CALLEI) F	EPORT LINE NUMBER	
IN		S	TATION OPERATOR					YELLOWKNIFE, N] (8	867) 920-8130	
LEA	DAGENCY DEC DCCG DC	GNWT [□ GN □ ILA □ INAC □	NEB □TC	SIGN	IIFICANCE MI	INOR 🗆 MA	JOR 🗆 UNKNOWN	FILE STATU	IS □ OPEN □ CLOSED	
AGE	NCY	CONTAC	CT NAME		CON	TACT TIME		REMARKS			
LEA	D AGENCY										
FIRS											
1	T SUPPORT AGENCY										
SEC	OND SUPPORT AGENCY										



October 9th, 2022

Christine Wilson
Water Resource Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
XOC 0G0

Sent via email: Christine.Wilson3@rcaanc-cirnac.gc.ca

Re.: Follow-up Report Spill #2022470 – Release of 5 L of Untreated Sewage at the Meliadine Gold Project

On September 15th, 2022, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a spill of approximately 5 L of untreated sewage at the Meliadine Gold Project site (spill location coordinates: 63° 2′ 21.24"N, 92° 13′ 40.67"). This follow-up report provides supplemental information based on the results of the incident investigation and is being provided in accordance with:

the Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c.

Description of Incident

On September 14th, 2022, at approximately 2:45 pm, an estimated 5 L of untreated sewage was spilled on the industrial pad due a cracked end cap. No water bodies were impacted by this spill. The closest water body (G2) is approximately 325 meters northwest, as seen in Figure 1.





Figure 1: Location of sewage spill and proximity to water bodies.

Spill Response and Remediation

When the plumber noticed a leak coming from the cleanout cap he immediately stopped the MSB lift station. Once the lift station was stopped a new cap was installed. The impacted surface area was hand excavated and an estimated 5 kg of material was brought to Landfarm A as per Landfarm Management Plan.

Root Causes and Corrective Measures

An investigation was conducted soon after the incident occurred to determine the root causes and contributing factors. The investigation concluded with the following:



• a hairline fracture was identified on the cleanout cap

The following corrective and preventative actions have been implemented to address the root causes and to reduce the likelihood of reoccurrence:

- the cracked cleanout cap was replaced and installed by a plumber
- a visual inspection was completed after the installation

Should you have any questions or require further information, please do not hesitate to contact the undersigned.



Brett Fairbairn | Environment Coordinator brett.fairbairn@agnicoeagle.com | Direct 819.759.3555 x4603996 | Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0



Appendix – Photos





Photo 1: Sewage spill location





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

REPORT LINE USE ONLY

٨	REPORT DATE: MONTH – DAY –	-YEAR		REPORT	TIME			T	DICINAL CDIL	L DEDODT		
A	09-14-2022			18:00	1X.00				▼ORIGINAL SPILL REPORT, OR		REPORT NUMBER	
D	OCCURRENCE DATE: MONTH -				T				IPDATE #	L SPILL REPORT	·	
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С	LAND USE PERMIT NUMBER (IF KVPL11D01	: APPLICABLE)			WATER LICENCE NUMBER (IF APPLICABLE) 2AM-MEL1631							
ח	GEOGRAPHIC PLACE NAME OR		N FROM NAMED L	OCATION	REC	GION						
D	Meliadine Gold Mir	ne					X NUNAV	/UT	□ ADJACEN	IT JURISDICTION	N OR OCEAN	
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F	Agnico Eagle Mine	es Limited	Meliadine	e, Ran	ıkin lı	nlet, l	Nunav		X0C 0G(0		
G	ANY CONTRACTOR INVOLVED N/A		N/A	ADDRESS	OR OFF	ICE LOC	CATION					
-	PRODUCT SPILLED Fine Grain Materia	al	QUANTITY IN LIT	,	OGRAM	3 OR CU	JBIC METF	RES	U.N. NUMBER	3		
Η	SECOND PRODUCT SPILLED (IF	F APPLICABLE)	QUANTITY IN LIT	TRES, KIL	OGRAM	S OR CL	JBIC METF	RES	U.N. NUMBEF			
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_	FACTORS AFFECTING SPILL OF	R RECOVERY	DESCRIBE ANY		NCE RE	OUIRED)	\longrightarrow			OPERTY OR EQUIPMENT	
J	None	11120012	None	7.00.	102	10			None	// L	7 2	
K	This report is being material is ongoing Pursuant to Part H investigation is con	g. I, Item 8c of wate ompleted.	er license 2/ 3555 ext. 46	AM-MI	EL16 2 sara	631, a	a follov	w up	report v	will be iss	ued after the	
ı	REPORTED TO SPILL LINE BY	POSITION Env. Gonoral		EMPLOYE					CATION CALLIN	I	TELEPHONE	
_	Sara Savoie	Env. General	Supervis	AEM					eliadine		819-856-9349	
M	Matt Gillman	Env. Superint	tendent	AEM					ERNATE CONT eliadine ATION		519-373-6249	
			REPORT LINI	1								
N	RECEIVED AT SPILL LINE BY	POSITION		EMPLOYE	ΞR				CATION CALLE		REPORT LINE NUMBER	
<u> </u>	1	STATION OPERATOR	J	<u></u>				YELI	LOWKNIFE, N	.T		
LEA	DAGENCY DEC DCCG DGN	NWT □ GN □ ILA □ INAC		CICN					□ UNKNOWN	N FILE STAT	(867) 920-8130	
AGE	NCY C	AGENCY CONTACT NAME					NOR 🗆 M	1AJOR			(867) 920-8130 TUS OPEN CLOSED	
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H		SONTACT IVANIL	O NEB OTC				INOR □ N		REMARKS			



October 14th, 2022

Christine Wilson
Water Resource Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
XOC 0G0

Sent via email: Christine.Wilson3@rcaanc-cirnac.gc.ca

Re.: Follow-up Report Spill #2022469 — Fine grain material investigation Meliadine Gold Project - UPDATE

On September 14th, 2022, as due diligence, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of fine grain material observed around the perimeter access road southwest of the dry stack Tailing Storge Facility (TSF). This follow-up report provides an update on the progress of the investigation into the source of the fine grain material and is being provided in accordance with:

• the Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c.

Description of Incident

A deposit of fine grain material was identified around the perimeter access road southwest of the TSF and Agnico Eagle initiated an investigation into the source of the fine grain material. No water bodies are impacted by this event. The closest water body (B7) is approximately 130 meters south, as seen in Figure 1.





Figure 1: Location of the fine grain material and proximity to water bodies.

Ongoing Assessment of the Source of the Fine Grain Material

Qualitative observations of the material are indicative of potential drill cuttings, potential TSF material brought by snow removal operations and/or from the wind and after further assessment and discussion, it also became apparent that the material could likely be partially composed of road material pulverized by haul truck traffic and relocated during maintenance and snow clearing activities.

To assess its source, the fine grain material adjacent to the access road has been profiled and sampled. Geochemical and granulometry analysis are ongoing.

Agnico Eagle will provide an update report within the next 30 days.



November 14th, 2022

Kyle Amsel
Water Resource Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
XOC OGO

Sent via email: kyle.amsel@rcaanc-cirnac.gc.ca

Re.: Follow-up Report Spill #2022469 – Fine grain material investigation Meliadine Gold Project – November 14th, 2022 UPDATE

On September 14th, 2022, as due diligence, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of fine grain material observed around the perimeter access road southwest of the dry stack Tailing Storage Facility (TSF). On October 14th, Agnico Eagle provided a first update report. This second update report is intended to provide an update on the progress of the investigation into the source of the fine grain material and is being provided in accordance with:

• the Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c.

Description of Incident

A deposit of fine grain material was identified around the perimeter access road southwest of the TSF and Agnico Eagle initiated an investigation into the source of the fine grain material. No water bodies are impacted by this event. The closest water body (B7) is approximately 130 meters south, as seen in Figure 1.





Figure 1: Location of the fine grain material and proximity to water bodies.

Ongoing Assessment of the Source of the Fine Grain Material

Qualitative observations of the material are indicative of potential drill cuttings, potential TSF material brought by snow removal operations and/or from the wind and after further assessment and discussion, it also became apparent that the material could likely be partially composed of road material pulverized by haul truck traffic and relocated during maintenance and snow clearing activities.

To assess its source, the fine grain material adjacent to the access road has been profiled and sampled. Geochemical and granulometry analysis have been conducted and Agnico Eagle has contracted a third-party consultant to analyze the results; this analysis is ongoing and Agnico Eagle will provide an update report within the next 30 days.



December 14th, 2022

Kyle Amsel
Water Resource Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
XOC OGO

Sent via email: kyle.amsel@rcaanc-cirnac.gc.ca

Re.: Follow-up Report Spill #2022469 – Fine grain material investigation Meliadine Gold Project – December 14th, 2022 UPDATE

On September 14th, 2022, as due diligence, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of fine grain material observed around the perimeter access road southwest of the dry stack Tailing Storage Facility (TSF). Agnico Eagle provided update reports on October 14th and November 14th, 2022. This third update report is intended to provide an update on the recent progress of the investigation into the source of the fine grain material and is being provided in accordance with:

• the Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c.

Description of Incident

A deposit of fine grain material was identified around the perimeter access road southwest of the TSF and Agnico Eagle initiated an investigation into the source of the fine grain material. No water bodies are impacted by this event. The closest water body (B7) is approximately 130 meters south, as seen in Figure 1.





Figure 1: Location of the fine grain material and proximity to water bodies.

Ongoing Assessment of the Source of the Fine Grain Material

Qualitative observations of the material are indicative of potential drill cuttings, potential TSF material brought by snow removal operations and/or from the wind and after further assessment and discussion, it also became apparent that the material could likely be partially composed of road material pulverized by haul truck traffic and relocated during maintenance and snow clearing activities.

To assess its source, the fine grain material adjacent to the access road has been profiled and sampled. Geochemical and granulometry analysis have been conducted and Agnico Eagle has contracted a third-party consultant to analyze the results; this analysis is ongoing and Agnico Eagle expects to have results available for the next update report which will be provided within the next 30 days.



January 13th, 2023

Kyle Amsel
Water Resource Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
XOC OGO

Sent via email: kyle.amsel@rcaanc-cirnac.gc.ca

Re.: Follow-up Report Spill #2022469 – Fine grain material investigation Meliadine Gold Project – January 13th, 2022 UPDATE

On September 14th, 2022, as due diligence, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of fine grain material observed around the perimeter access road southwest of the dry stack Tailing Storage Facility (TSF). On October 14th, Agnico Eagle provided update reports on October 14th and November 14th, 2022. This third update report is intended to provide an update on the recent progress of the investigation into the source of the fine grain material and is being provided in accordance with:

• the Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c.

Description of Incident

A deposit of fine grain material was identified around the perimeter access road southwest of the TSF and Agnico Eagle initiated an investigation into the source of the fine grain material. No water bodies are impacted by this event. The closest water body (B7) is approximately 130 meters south, as seen in Figure 1.





Figure 1: Location of the fine grain material and proximity to water bodies.

Ongoing Assessment of the Source of the Fine Grain Material

Qualitative observations of the material are indicative of potential drill cuttings, potential TSF material brought by snow removal operations and/or from the wind and after further assessment and discussion, it also became apparent that the material could likely be partially composed of road material pulverized by haul truck traffic and relocated during maintenance and snow clearing activities.

To assess its source, the fine grain material adjacent to the access road has been profiled and sampled. Geochemical and granulometry analysis have been conducted and Agnico Eagle has contracted a third-party consultant to analyze the results; this analysis is nearly complete and Agnico Eagle expects to have results available for the next update report which will be provided within the next 30 days.



February 20th, 2023

Kyle Amsel
Water Resource Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
XOC OGO

Sent via email: <u>kyle.amsel@rcaanc-cirnac.gc.ca</u>

Re.: Follow-up Report Spill #2022-469 – Fine grain material investigation Meliadine Gold Project – February 2023, Final Report

On September 14th, 2022, as due diligence, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of fine grain material observed around the perimeter access road southwest of the dry stack Tailing Storage Facility (TSF). Agnico Eagle has provided monthly updates on the status of the ongoing assessment. This follow-up report serves as the final report providing discussion on a geochemical analysis of the potential source materials conducted by SRK Consulting, the presumed sources of the deposition, and the associated mitigation and monitoring strategy.

This report is being provided in accordance with:

• the Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c.

Description of Incident

A deposit of fine grain material was identified around the perimeter access road southwest of the TSF and Agnico Eagle initiated an assessment into the source of the fine grain material. No water bodies are impacted by this event. The closest water body (Lake B7) is approximately 200 meters south, as seen in Figure 1.





Figure 1: Area of interest and proximity to water bodies.



Results and Discussion

Analysis of historical aerial drone imagery revealed that drill cuttings had been deposited in and around the area of interest in 2021 and 2022, an authorized disposal method under the 2BB-MEL1424 Water License. Geochemical analysis of samples collected within the area of interest suggests that the material represents a mix of tailings, drill cuttings, and/or road sediments. These determinations were supported by field observations and particle size distribution, which showed material of varying colour and particle size.

Various environmental monitoring programs are in place to collect and analyze monitoring data and to adjust practices to reduce or eliminate observed mine-related impacts throughout the life of the Project.

Root Cause and Corrective Measures

An assessment was conducted to determine the root causes and contributing factors. The assessment concluded with the following:

- TSF material was transported by the wind onto snow, which accumulated naturally at the area
 of interest;
- Snow-clearing and road maintenance activities in the area transported pulverized road material and windblown tailings into the area of interest;
- Historical drill cuttings were deposited in the area of interest, which is an authorized disposal method under the 2BB-MEL1424 Water License.

The following corrective and preventative actions have been implemented to address the root causes and to reduce the likelihood of reoccurrence:

- Site-appropriate dust management practices and technologies are implemented to reduce the amount of windblown material, and potential additional improvements continue to be explored within the Dust Management Working Group;
- The Snow Management Procedure for the site has been updated to further detail authorized snow dump areas and clearly identify no-dump areas, including the area of interest at the southwest of the TSF;
- Drill cuttings disposal locations are reviewed and approved by the Environment Department as part of the Internal Environmental Permit (IEP) implemented in 2022.



Mitigation and Monitoring

Agnico Eagle is in the process of amending its Nunavut Impact Review Board Project Certificate and Nunavut Water Board Water Licence 2AM-MEL1631 to consider the Meliadine Extension proposal. This extension would include an increased TSF footprint which will overprint the impacted area.

As the Meliadine Extension proposal is still under review, Agnico Eagle is implementing the following interim mitigation and monitoring:

- To reduce the risk of tundra damage and the potential for retrogressive thaw of permafrost in
 this area that would result from attempting to remove the material, the material will be left in
 place and capped with waste rock approved for construction and till or esker material. Capping
 will reduce the potential for erosion and seepage.
- To confirm the success of the above mitigation, a seepage survey will be conducted during spring
 freshet and during and after remarkable rainfall events along the downstream toe of the
 expanded access road. Observed seepages will be sampled and analyzed for Water Licence 2AMMEL1631 Group 2 parameters of interest and field measurements will be taken. Results of the
 proposed monitoring program will be available upon request to Regulators.

Agnico Eagle continues to implement and explore the best available practices and technologies appropriate for the TSF. Through the Tailings Working Group, a Multiple Account Analysis was completed in 2021 to evaluate various dust abatement techniques and their applicability to the TSF. Monitoring technologies continue to be implemented and explored to understand better the factors that promote dusting conditions and to forecast when these conditions might exist to anticipate and adaptively manage dust emissions from the TSF.

Should you have any questions or require further information, please do not hesitate to contact the undersigned.



Kyle Conway Environment General Supervisor kyle.conway@agnicoeagle.coml Direct 819.759.3555 x4603212 Mobile 819.860.1033
Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut,

agnicoeagle.com





Canada 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

REPORT LINE USE ONLY

Α				REPORT 9:15	TIME			XORIGINAL SPI	LL REPORT,	REPORT NUMBER					
	OCCURRENCE DATE: MONTH	I – DAY –	-YEAR		OCCURF	RRENCE TIME			OR UPDATE #		-				
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October 9th, 2022

Christine Wilson
Water Resource Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
XOC 0G0

Sent via email: Christine.Wilson3@rcaanc-cirnac.gc.ca

Re.: Follow-up Report Spill #2022475 – Release of 5 L of Untreated Sewage at the Meliadine Gold Project

On September 24th, 2022, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a spill of approximately 5 L of untreated sewage at the Meliadine Gold Project site (spill location coordinates: 63° 2′ 27.3"N, 92° 13′ 32.35"). This follow-up report provides supplemental information based on the results of the incident investigation and is being provided in accordance with:

the Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c.

Description of Incident

On September 23rd, 2022, at approximately 2:00 pm, an estimated 5 L of untreated sewage was spilled on the industrial pad due a sewage transfer line not being fully drained when storing it back on the vacuum truck. No water bodies were impacted by this spill. The closest water body (G2) is approximately 316 meters northwest, as seen in Figure 1.





Figure 1: Location of sewage spill and proximity to water bodies.

Spill Response and Remediation

The vacuum truck was used to recover the free liquid and transfer into the lift station. The impacted surface area was hand excavated and an estimated 5 kg of material was brought to Landfarm A as per the Landfarm Management Plan.



Root Causes and Corrective Measures

An investigation was conducted soon after the incident occurred to determine the root causes and contributing factors. The investigation concluded with the following:

- New piece of equipment and worker was unfamiliar with its operation.
- Previous operator of equipment did not fully empty the line.

The following corrective and preventative actions have been implemented to address the root causes and to reduce the likelihood of reoccurrence:

- Vacuum truck procedure will be reviewed with all employees.
- Supervisors will meet with new operators to remind them of the importance of not rushing.
- Vacuum truck procedure will be available in the new vacuum truck for reference.

Should you have any questions or require further information, please do not hesitate to contact the undersigned.



Brett Fairbairn | Environment Coordinator brett.fairbairn@agnicoeagle.com | Direct 819.759.3555 x4603996 | Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0



Appendix – Photos



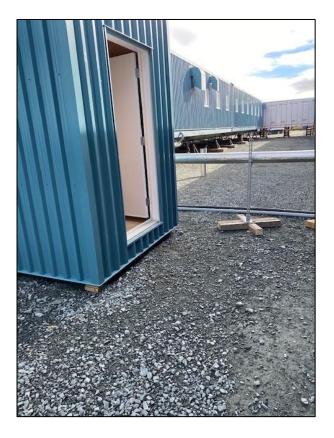




Photo 1: Wing 16 lift station (spill location)

Photo 2: Wing 16 lift station clean up area





Canada 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

REPORT LINE USE ONLY

Α				REPORT 13:15			▼ORIGINAL SPILL R	REPORT NUMBER					
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G	ANY CONTRACTOR INVOLVED N/A)	CONTRACTOR .										
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L	REPORTED TO SPILL LINE BY Brett Fairbairn		Coordinator	AEM	ĒR		LOCATION CALLING Meliadine		ELEPHONE 819-759-3555				
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October 13, 2022

Christine Wilson
Water Resource Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
XOC 0G0

Sent via email: Christine.Wilson3@rcaanc-cirnac.gc.ca

Re.: Follow-up Report Spill #2022480 — Release of 205 L of Hydrochloric Acid at the Meliadine Gold Project

On September 30th, 2022, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a spill of approximately 205 L of hydrochloric acid (HCl) at the Meliadine Gold Project site (spill location coordinates: 63° 2′ 11.74"N, 92° 13′ 29.78"). This follow-up report provides supplemental information based on the results of the incident investigation and is being provided in accordance with:

• the Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c.

Description of Incident

On September 30th, 2022, at approximately 1:30 am, an estimated 205 L of HCl was spilled on to the industrial pad outside of the process plant. During a transfer of a pallet of four HCl barrels from a seacan to the process plant a 205 L HCl barrel was punctured with the fork of the equipment being used to transfer the pallet. The spill occurred within the seacan and a spotter was being used, however the tight confines of the seacan would not safely allow the spotter to enter the seacan while pallets were being removed.

When the leak was discovered, the pallet was immediately set down and the area was evacuated for Health and Safety considerations. HCl then leaked out from the seacan door to the industrial pad.



No water bodies were impacted by this spill. The closest water body (G2) is approximately 650 meters north, as seen in Figure 1.



Figure 1: Location of HCl spill and proximity to water bodies.

Spill Response and Remediation

The immediate response from the employee transferring the pallet of HCl barrels was to stop the transfer and contact the Emergency Response Team (ERT) to contain the spill. The employee then contacted his supervisor to report the incident. The spill area was evacuated and isolated by the ERT. Sand was used to contain and absorb the liquid HCl. Once the spilled material was contained and the area was determined



to be hazard free, the area of contamination was delineated and an excavator and shovels were used to remove the contaminated material to a depth of approximately eight inches. The impacted material was directed to the reclaim feeder for reprocessing through the process plant.

Root Causes and Corrective Measures

An investigation was conducted soon after the incident occurred to determine the root causes and contributing factors. The investigation concluded with the following:

- Lightening in the seacan could be optimized.
- The lifting surface was uneven.
- Overhead roll-up door was not operating properly.

The following corrective and preventative actions have been implemented to address the root causes and to reduce the likelihood of reoccurrence:

- Additional lighting will be installed on the equipment so that the operator will have increased lighting to perform the task.
- Additional lighting will allow the operator to properly assess the lifting surface and address concerns, if any, before completing the task.
- The overhead roll-up door will be repaired and has been temporarily locked in the fully open position pending completion of the repair.

Should you have any questions or require further information, please do not hesitate to contact the undersigned.



Brett Fairbairn | Environment Coordinator brett.fairbairn@agnicoeagle.com | Direct 819.759.3555 x4603996 | Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0





Sent from Meliadine

Appendix - Photos





Photo 1: HCl spill initial release



Photo 2: HCl spill remediation





Photo 3: HCl spill final remediation





Photo 4: HCl spill final remediation





Canada 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

REPORT LINE USE ONLY

Α				10:15			▼ORIGINAL SPILL	REPORT NUMBER			
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G	ANY CONTRACTOR INVOLVED N/A CONTRACTO N/A				OR OFFICE LO	CATION					
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K	Ore Pad 1 (OP1). The spill was contained to the local area and clean up is currently ongoing. The coordinates of the spill are 63° 1′ 40.15″N, 92° 12′ 43.73″W. No water bodies were impacted by this spill. The nearest natural water body (B7) is 900 m west. Pursuant to Part H, Item 8c of water license 2AM-MEL1631, a follow up report will be issued after the investigation is completed. Reported by Randy Schwandt, Environment Coordinator 819-759-3555 ext. 4603996 Randy.Schwandt@agnicoeagle.com , Sara.Savoie@agnicoeagle.com ext. 4603212										
L	REPORTED TO SPILL LINE BY Randy Schwandt	Env. Coo	rdinator	AEM	ER		Meliadine		ELEPHONE 819-759-3555		
M	ANY ALTERNATE CONTACT Sara Savoie	POSITION General S	Supervisor	EMPLOY!	ER		ALTERNATE CONTA Meliadine		11 A 19 - 856 - 9349		
			REPORT LIN	E USE ON	NLY		2007111011				
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November 8th, 2022

Kyle Amsel
Water Resource Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
XOC 0G0

Sent via email: <u>kyle.amsel@rcaanc-cirnac.gc.ca</u>

Re.: Follow-up Report Spill #2022498 — Release of 250 L of hydraulic oil at the Meliadine Gold Project

On October 15th, 2022, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a spill of approximately 250 L of hydraulic oil at the Meliadine Gold Project site (spill location coordinates: 63° 1′ 40.15"N, 92° 12′ 43.73"). This follow-up report provides supplemental information based on the results of the incident investigation and is being provided in accordance with:

• the Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c.

Description of Incident

On October 15th, 2022, at approximately 12:00 am, an estimated 250 L of hydraulic oil was spilled on to Ore Pad 1 (OP1). During normal operations, haul truck 14 was offloading ore onto OP1 when the hydraulic pump pressure hose failed.

No water bodies were impacted by this spill. The closest water body (B7) is approximately 900 meters west, as seen in Figure 1.



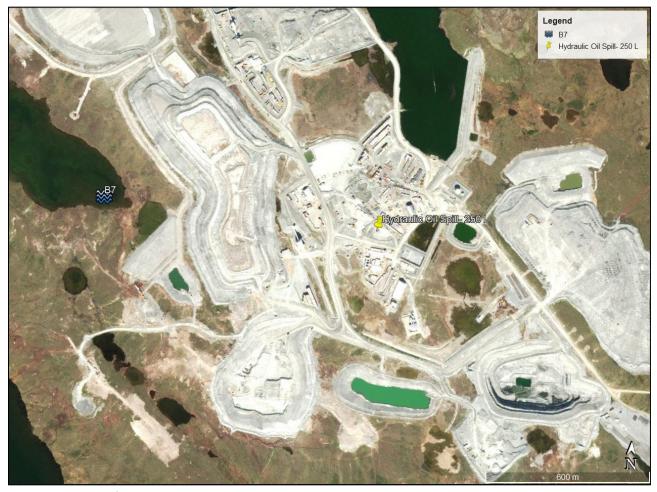


Figure 1: Location of the hydraulic spill and proximity to water bodies.

Spill Response and Remediation

The immediate response from the employee was to shut down the equipment. The employee then contacted their supervisor to report the incident. Spill absorbent pads were deployed to recover pooling surface oil and to contain the spill. The contaminated material was then excavated and directed to the primary crusher for processing through the process plant.

Root Causes and Corrective Measures

An investigation was conducted soon after the incident occurred to determine the root causes and contributing factors. The investigation concluded with the following:



- the hydraulic hose showed signs of wear;
- the crimp on the hydraulic hose was overtightened.

The following corrective and preventative actions have been implemented to address the root causes and to reduce the likelihood of reoccurrence:

 A more detailed inspection of the crimp on the hydraulic hose fittings installation to prevent overtightening

Should you have any questions or require further information, please do not hesitate to contact the undersigned.



Brett Fairbairn | Environment Coordinator brett.fairbairn@agnicoeagle.com | Direct 819.759.3555 x4603996 | Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0



Appendix – Photos





Photo 1: Hydraulic oil spill area



Photo 2: Hydraulic oil spill remediation area





Canada 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

REPORT LINE USE ONLY

Α				REPORT 18:00	8:00			XORIGINAL SPIL	L REPORT,	REPORT NUMBER		
						OCCURRENCE TIME			OR ☐ UPDATE #			
В	10-18-2022				8:15				TO THE ORIGINAL	L SPILL REPORT		
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November 8th, 2022

Kyle Amsel
Water Resource Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
XOC 0G0

Sent via email: <u>kyle.amsel@rcaanc-cirnac.gc.ca</u>

Re.: Follow-up Report Spill #2022503 – Release of 30 L of Sewage at the Meliadine Gold Project

On October 18th, 2022, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a spill of approximately 30 L of untreated sewage at the Meliadine Gold Project site (spill location coordinates: 63° 2′ 22.92"N, 92° 13′ 33.02"). This follow-up report provides supplemental information based on the results of the incident investigation and is being provided in accordance with:

• the Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c.

Description of Incident

On October 18th, 2022, at approximately 8:15 am, an estimated 30 L of untreated sewage was spilled on the industrial pad due to a miscommunication between two operators during sewage transfer from the sewage treatment plant (STP) sludge tank and the sewage vacuum truck. No water bodies were impacted by this spill. The closest water body (G2) is approximately 370 meters northwest, as seen in Figure 1.





Figure 1: Location of the sewage spill and proximity to water bodies.

Spill Response and Remediation

Upon discovery of the spill, the operator stopped the power take off (PTO). The operator then proceeded to contact the environment department to inform them of the situation. All surface material was hand excavated and contained within a 76 L plastic tub. The material collected was then reworked through the main camp lift station for further treatment.



Root Causes and Corrective Measures

An investigation was conducted soon after the incident occurred to determine the root causes and contributing factors. The investigation concluded with the following:

- Only one out of the two operators involved in the sewage transfer had a radio causing inadequate communication between them.
- The vacuum truck procedure was not followed.

The following corrective and preventative actions have been implemented to address the root causes and to reduce the likelihood of reoccurrence:

- Both vacuum truck operators will be provided radios for two-way communication.
- Vacuum truck procedure has been updated to further clarify the communication between operators including the need for both operators to have radios – the updated procedure was communicated to all vacuum truck operators.
- Reiterate the importance of not rushing to prevent workplace accidents from occurring

Should you have any questions or require further information, please do not hesitate to contact the undersigned.



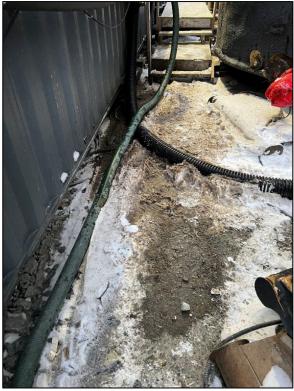
Brett Fairbairn | Environment Coordinator

brett.fairbairn@agnicoeagle.com | Direct 819.759.3555 x4603996 | Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0



Appendix – Photos





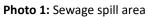




Photo 2: Spill remediation area





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

REPORT LINE USE ONLY

Α				1.5.00				XO	RIGINAL SPILL	REPORT,	REPORT NUMBER
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_	qa. p								30 m2	PERSONS PRO	DPERTY OR EQUIPMENT
J	N/A N/A			/ ASSISTANCE REQUIRED					N/A		
	Additional information, co										
K	bay solids sump to overflow resulting in a 800 L spill of diluted wash bay water to the frozen industrial pad. The spill was contained to the local area. The coordinates of the spill are 63° 2′ 18.05″N, 92° 13′ 39.55″W. No water bodies were impacted by this spill. The nearest natural water body (G2) is 325 m northwest. Pursuant to Part H, Item 8c of water license 2AM-MEL1631, a follow up report will be issued after the investigation is completed. Reported by Brett Fairbairn, Environment Coordinator 819-759-3555 ext. 4603996 Brett.Fairbairn@agnicoeagle.com , Kyle.Conway@agnicoeagle.com ext. 4603212										
L	REPORTED TO SPILL LINE BY Brett Fairbairn	POSITION Env. Coordin	ator					OCATION CALLING FROM Meliadine		TELEPHONE 819-759-3555	
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SEC	OND SUPPORT AGENCY										



November 8th, 2022

Kyle Amsel Water Resource Officer Kivalliq Region, Field Operations Unit Crown-Indigenous Relations and Northern Affairs Canada Rankin Inlet, NU XOC OGO

Sent via email: <u>kyle.amsel@rcaanc-cirnac.gc.ca</u>

Re.: Follow-up Report Spill #2022517 – Release of 800 L of wash bay water at the Meliadine Gold Project

On November 2nd, 2022, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a spill of approximately 800 L of wash bay water at the Meliadine Gold Project site (spill location coordinates: 63° 2′ 18.05"N, 92° 13′ 39.55"). This follow-up report provides supplemental information based on the results of the incident investigation and is being provided in accordance with:

• the Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c.

Description of Incident

On November 2nd, 2022, at approximately 3:00 am, an estimated 800 L of wash bay water was spilled on the industrial pad due to a failed freshwater line in the wash bay. The freshwater was released into the wash bay sump causing the sump to overflow. The diluted wash bay sump water flowed out the overhead door and on to the industrial pad where it froze in place. No water bodies were impacted by this spill. The closest water body (G2) is approximately 325 meters northwest, as seen in Figure 1.





Figure 1: Location of wash bay spill and proximity to water bodies.

Spill Response and Remediation

Upon discovery of the spill the freshwater valve was closed. The operator then proceeded to contact the environment department to inform them of the situation. The frozen material was cleaned up using a loader. The frozen wash bay material was then disposed of in Tiriganiaq Pit 2 its disposal location during normal operations.



Root Causes and Corrective Measures

An investigation was conducted soon after the incident occurred to determine the root causes and contributing factors. The investigation concluded with the following:

- A blizzard on November 1 caused the HVAC intake coils to plug with snow and ice resulting in low temperatures within the wash bay. This caused the freshwater line to fail.
- Low glycol level in the HVAC system reduced the effectiveness of the HVAC system.

The following corrective and preventative actions have been identified to address the root causes and to reduce the likelihood of reoccurrence:

- Preventative maintenance HVAC inspection will be conducted post blizzard;
- The freshwater line PC piping will be replaced with stainless steel piping;
- The glycol level in the HVAC system was returned to 100%

Should you have any questions or require further information, please do not hesitate to contact the undersigned.



Brett Fairbairn | Environment Coordinator brett.fairbairn@agnicoeagle.com | Direct 819.759.3555 x4603996 | Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0

agnicoeagle.com ff @ 🔽 🛅 🕞







Sent from Meliadine



Appendix – Photos





Photo 1: Wash bay water spill area



Photo 2: Spill remediation area





Canada 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

REPORT LINE USE ONLY

Α	REPORT DATE: MONTH – DAY – YI 11-15-2022				TIME		XORIGINAL SPILI	L REPORT,	REPORT NUMBER
	OCCURRENCE DATE: MONTH – D	DAY – YEAR		18:30	RENCE TIME		OR □ UPDATE #		20 - 22529
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December 8, 2022

Kyle Amsel
Water Resource Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
XOC 0G0

Sent via email: Kyle.Amsel@rcaanc-cirnac.gc.ca

Re.: Follow-up Report: Spill #2022529 – Release of 10 L of Sewage at the Meliadine Gold Project

On November 15th, 2022, the Nunavut Spill Report Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a spill of approximately 10 L of sewage at the Meliadine Gold Project site (spill location coordinates: 63° 2′ 24.32" N, 92° 13′ 43.51" W). This follow-up report provides supplemental information based on the results of the incident investigation and is being provided in accordance with:

• the Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c.

Description of Incident

On November 15th, at approximately 6:00 am, an estimated 10 L of sewage was spilled on the industrial pad due to an overflow of the wing three lift station. No water bodies were impacted by this spill. The closest water body (G2) is approximately 222 meters northwest, as seen in Figure 1.



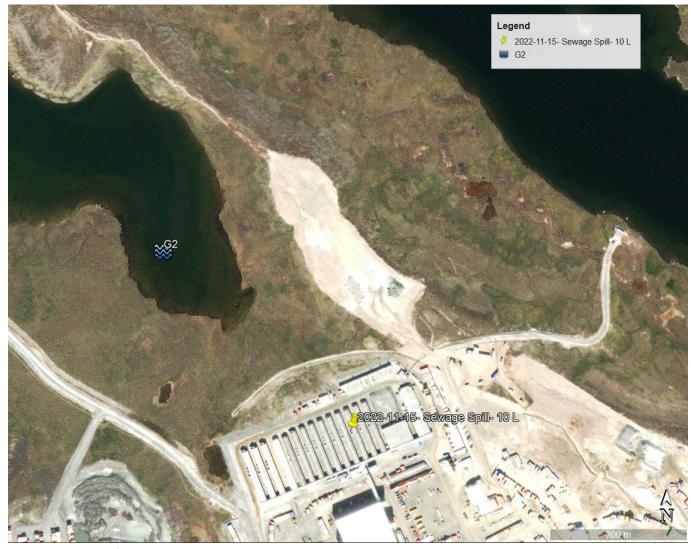


Figure 1: Location of sewage spill and proximity to water bodies.

Spill Response and Remediation

Upon discovery of the spill, a vacuum truck was dispatched to empty the lift station and recover the untreated sewage outside the lift station. Free liquid was pumped back into the main camp lift station. Absorbent pads were deployed to collect the remaining liquid and packaged for offsite disposal at a licensed disposal facility. The impacted surface was hand excavated and an estimated 15 kg of material was brought to Landfarm A as per section 3.4.4 of the Landfarm Management Plan.



Root Causes and Corrective Measures

An investigation was conducted soon after the incident occurred to determine the root causes and contributing factors. The investigation concluded with the following:

Sewage grinder pumps became clogged with material preventing normal operations.

The following corrective and preventative actions have been implemented to address the root causes and to reduce the likelihood of reoccurrence:

- Grinder pump blades are to be replaced at wing three lift station. These have been ordered and will be replaced upon arrival to the Meliadine site.
- Secondary containment has been installed around wing three and work is ongoing for each of the wing lift station.

Should you have any questions or require further information, please do not hesitate to contact the undersigned.



Brett Fairbairn | Environment Coordinator brett.fairbairn@agnicoeagle.com | Direct 819.759.3555 x4603996 | Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0

agnicoeagle.com ff 0 🗹 🛅 D



Appendix – Photos





Photo 1: Wing three lift station spill



Photo 2: Wing three lift station grind pump blade





Photo 3: Ground area outside the wing three lift station.

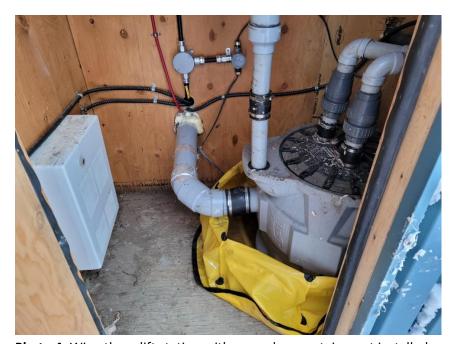


Photo 4: Wing three lift station with secondary containment installed.





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

REPORT LINE USE ONLY

Α	11-18-2022			8:00	▼ORIGINAL SPILL REPORT, OR	REPORT NUMBER						
В	OCCURRENCE DATE: MONTH -	ONTH – DAY – YEAR		CCURRENCE TIME	☐ UPDATE # TO THE ORIGINAL SPILL REPOR	<u>20 - 22532</u>						
ט	11-17-2022 LAND USE PERMIT NUMBER (IF	- ADDI IOADI EV	08	8:00 WATER LICENCE NUMBER		`` `						
С	KVPL11D01	,		2AM-MEL1631	i (IF APPLICADLE)							
D	GEOGRAPHIC PLACE NAME OR Meliadine Gold Pro		IN FROM NAMED LOCA	□ NWT X NUNAV	UT ADJACENT JURISDICTION	ON OR OCEAN						
Ε		MINUTES 2	SECONDS 21	LONGITUDE DEGREES 92	MINUTES 13	SECONDS 41						
F	RESPONSIBLE PARTY OR VESS Agnico Eagle Mine			e PARTY ADDRESS OR OFFICE LOCATION ne, Rankin Inlet, Nunavut, X0C 0G0								
G	ANY CONTRACTOR INVOLVED N/A		CONTRACTOR ADDI	DRESS OR OFFICE LOCATION	<u> </u>							
	PRODUCT SPILLED Sewage		QUANTITY IN LITRES	ES, KILOGRAMS OR CUBIC METR	RES U.N. NUMBER							
Н	SECOND PRODUCT SPILLED (IF N/A	: APPLICABLE)		ES, KILOGRAMS OR CUBIC METR	RES U.N. NUMBER							
I	SPILL SOURCE Sewage lift station		SPILL CAUSE Equipment		AREA OF CONTAMINATION 0.5	IN SQUARE METRES						
J	FACTORS AFFECTING SPILL OR N/A		N/A	SISTANCE REQUIRED	HAZARDS TO PERSONS, PINA OF SPILLED PRODUCT AND CON							
industrial pad. The spill was contained to the local area and the contaminated material was recovered. The coordinates of the spill are 63° 2′ 24.32′′N, 92° 13′ 43.51″W. No water bodies were impacted by this spill. The nearest natural water body (G2) is 222m northwest. Pursuant to Part H, Item 8c of water license 2AM-MEL1631, a follow up report will be issued after the investigation is completed.												
L	REPORTED TO SPILL LINE BY Kyle Conway	POSITION Env. Supervi		iployer EM	LOCATION CALLING FROM Meliadine	· · · · · · · · · · · · · · · · · · ·						
M	ANY ALTERNATE CONTACT POSITION					TELEPHONE 819-860-1033						
	Sara Lavoie	Env. Supervi			ALTERNATE CONTACT Meliadine LOCATION							
	Sara Lavole			EM		819-860-1033 ALTERNATE TELEPHONE						
M	RECEIVED AT SPILL LINE BY		REPORT LINE US	EM		819-860-1033 ALTERNATE TELEPHONE						
N	RECEIVED AT SPILL LINE BY	POSITION STATION OPERATOR	REPORT LINE US	SE ONLY IPLOYER	Meliadine LOCATION CALLED YELLOWKNIFE, NT	819-860-1033 ALTERNATE TELEPHONE 819-856-9349 REPORT LINE NUMBER (867) 920-8130						
LEA	RECEIVED AT SPILL LINE BY	POSITION STATION OPERATOR WIT	REPORT LINE US EMI	SIGNIFICANCE MINOR MA	Meliadine LOCATION CALLED YELLOWKNIFE, NT AJOR UNKNOWN FILE STA	819-860-1033 ALTERNATE TELEPHONE 819-856-9349 REPORT LINE NUMBER						
LEAD	RECEIVED AT SPILL LINE BY D AGENCY DEC DCCG DGN NCY CO	POSITION STATION OPERATOR	REPORT LINE US EMI	SE ONLY IPLOYER	Meliadine LOCATION CALLED YELLOWKNIFE, NT	819-860-1033 ALTERNATE TELEPHONE 819-856-9349 REPORT LINE NUMBER (867) 920-8130						
LEAD	RECEIVED AT SPILL LINE BY	POSITION STATION OPERATOR WIT	REPORT LINE US EMI	SIGNIFICANCE MINOR MA	Meliadine LOCATION CALLED YELLOWKNIFE, NT AJOR UNKNOWN FILE STA	819-860-1033 ALTERNATE TELEPHONE 819-856-9349 REPORT LINE NUMBER (867) 920-8130						
AGEI LEAL	RECEIVED AT SPILL LINE BY D AGENCY DEC DCCG DGN NCY CO	POSITION STATION OPERATOR WIT	REPORT LINE US EMI	SIGNIFICANCE MINOR MA	Meliadine LOCATION CALLED YELLOWKNIFE, NT AJOR UNKNOWN FILE STA	819-860-1033 ALTERNATE TELEPHONE 819-856-9349 REPORT LINE NUMBER (867) 920-8130						
AGE!	RECEIVED AT SPILL LINE BY D AGENCY DEC DCCG DGN NCY CO D AGENCY	POSITION STATION OPERATOR WIT	REPORT LINE US EMI	SIGNIFICANCE MINOR MA	Meliadine LOCATION CALLED YELLOWKNIFE, NT AJOR UNKNOWN FILE STA	819-860-1033 ALTERNATE TELEPHONE 819-856-9349 REPORT LINE NUMBER (867) 920-8130						



December 17th, 2022

Kyle Amsel
Water Resource Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
XOC OGO

Sent via email: Kyle.Amsel@rcaanc-cirnac.gc.ca

Re.: Follow-up Report: Spill # 2022532 – Release of 5 L of Sewage at the Meliadine Gold Project

On November 18th, 2022, the Nunavut Spill Report Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a spill of approximately 5 L of sewage at the Meliadine Gold Project site. Spill location coordinates are: 63° 2′ 24.32" N, 92° 13′ 43.51" W. This follow-up report provides supplemental information based on the results of the incident investigation and is being provided in accordance with:

• the Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c.

Description of Incident

On November 17th, at approximately 8:00 am, an estimated 5 L of sewage was spilled on the industrial pad due to an overflow of the wing three lift station. No water bodies were impacted by this spill. The closest water body (G2) is approximately 222 meters northwest, as seen in Figure 1.





Figure 1: Location of sewage spill and proximity to water bodies.

Spill Response and Remediation

Upon discovery of the spill, 10 L of contaminated snow was hand shoveled and placed in the main camp lift station for treatment. The solid material was cleaned up and 10 kg of material was placed in Landfarm A as the Landfarm Management plan.

Root Causes and Corrective Measures



An investigation was conducted soon after the incident occurred to determine the root causes and contributing factors. The investigation concluded with the following:

Sewage grinder pumps became clogged with material preventing normal operations.

The following corrective and preventative actions have been implemented to address the root causes and to reduce the likelihood of reoccurrence:

- Grinder pump blades are to be replaced at wing three lift station. These have been ordered and will be replaced upon arrival to the Meliadine site.
- Secondary containment has been installed around wing three and work is ongoing for each of the wing lift station.

Should you have any questions or require further information, please do not hesitate to contact the undersigned.



Randy Schwandt | Environment Coordinator randy.schwandt@agnicoeagle.com | Direct 819.759.3555 x4603996 | Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0

Sent from Meliadine



Appendix – Photos





Photo 1: Wing three lift station 5 L spill





Photo 2: Ground area outside the wing three lift station, post cleanup.



Photo 3: Wing three lift station with secondary containment installed post cleanup





REPORT DATE: MONTH - DAY - YEAR

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

REPORT TIME

NT-NU 24-HOUR SPILL REPORT LINE

▼ORIGINAL SPILL REPORT,

TEL: (867) 920-8130 FAX: (867) 873-6924 EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

Α	11/20/2022		18:30			▼ORIGINAL SPILL REPORT, OR		REPORT NUMBER		
В	OCCURRENCE DATE: MONTH						UPDATE # D THE ORIGINAL SPILL REPORT		20 - 22533	
С	LAND USE PERMIT NUMBER KVPL11D01	(IF APPLICABLE)	1	WATER LICENCE NUMBER (IF APPLICABLE) 2AM-MEL1631						
D	GEOGRAPHIC PLACE NAME (Meliadine Gold P		N FROM NAMED LO	OCATION	REGION □ NWT	X NUNAVU	T □ ADJACENT JU	IRISDICTION	OR OCEAN	
Е	LATITUDE DEGREES 63	MINUTES 2	seconds 21	LONGITUDE DEGREES 92 MINUTES 13 SECONDS 41						
F	RESPONSIBLE PARTY OR VE Agnico Eagle Mir		RESPONSIBLE F				it, X0C 0G0			
G	ANY CONTRACTOR INVOLVED Dyno Nobel	ADDRESS (OR OFFICE LO	CATION						
	PRODUCT SPILLED QUANTITY IN L Emulsion 1.5m3			TRES, KILO	OGRAMS OR C	UBIC METRE	S U.N. NUMBER UN2067			
Н	SECOND PRODUCT SPILLED (IF APPLICABLE) N/A QUANTITY IN L N/A				OGRAMS OR C	UBIC METRE	S U.N. NUMBER N/A			
I	SPILL SOURCE SPILL CAUSE Emulsion container Human e			rror			AREA OF CONTAIN	MINATION IN	SQUARE METRES	
J	FACTORS AFFECTING SPILL OR RECOVERY N/A DESCRIBE ANY N/A				CE REQUIRED	1	HAZARDS TO PER	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT N/A		
K	immediately. The coordinates spill. The nearest Pursuant to Part investigation is c	of the spill are 63th natural water both H, Item 8c of water ompleted. E2 Fac	01'35.5"N, dy (A8) is 9 er license 2/ ility ID #2-1	92°12' 50 m s AM-ME 524.	33.6"W. southwes	No wate st. a follow	r bodies were	e impaci	ed by this led after the	
L	REPORTED TO SPILL LINE BY	POSITION Env. Supervis		AEM	R		LOCATION CALLING FI Meliadine		ELEPHONE 319-860-1033	
M	ANY ALTERNATE CONTACT Sara Savoie	POSITION Env. Supervis		AEM	R		ALTERNATE CONTACT Meliadine LOCATION		119-856-9349	
			REPORT LINE	E USE ON	LY					
N	RECEIVED AT SPILL LINE BY	POSITION		EMPLOYE	R		LOCATION CALLED	R	EPORT LINE NUMBER	
	AGENCY DEC DCCG D	STATION OPERATOR	O D NED DIO	SICAU	EICANICE III NA		YELLOWKNIFE, NT			
AGE		CONTACT NAME	, LINED LIT		ACT TIME	INOIT LINIAJ	REMARKS	I ILE STATU	867) 920-8130	
		OSITINO I TANNE		CONT	IIIVIL				867) 920-8130 S	
FIRS	LEAD AGENCY								·	
	T SUPPORT AGENCY								·	
SEC	T SUPPORT AGENCY								· · · · · · · · · · · · · · · · · · ·	



December 19th, 2022

Kyle Amsel
Water Resource Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
XOC 0G0

Sent via email: <u>kyle.amsel@rcaanc-cirnac.gc.ca</u>

Re.: Follow-up Report: Spill #2022533— Release of 1.5 m³ of Emulsion at the Meliadine Gold Project

On November 20th, 2022, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a spill of approximately 1.5 m³ of emulsion at the Meliadine Gold Project site (spill location coordinates: 63° 1′ 35.5"N, 92° 12′ 33.6"). This follow-up report provides supplemental information based on the results of the incident investigation and is being provided in accordance with:

the Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c.

Description of Incident

On November 20th, at approximately 4:00 am, an estimated 1.5 m³ of emulsion was spilled on the industrial pad when loading a boom truck for transport to the underground mine. While placing an emulsion bin #1 on the boom truck with a loader (with forks attached) a previously loaded emulsion bin was accidentally pushed off the boom truck. This led to the operator accidentally raising the forks (versus tilting) on the loader causing the emulsion bin #2 being loaded to slide off the forks. The bin sustained damage upon contact with the ground leading to the release of emulsion.

No water bodies were impacted by this spill. The closest water body (A8) is approximately 950 meters southwest, as seen in Figure 1.





Figure 1: Location of emulsion spill and proximity to water bodies.

Upon discovery of the spill, the emulsion was contained to the local area. The emulsion loading operation stopped and the remediation process started. Hand tools and heavy equipment were used to recover the spilled emulsion. The contaminated material was placed in quatrex bags and stored in a seacan for reprocessing at the emulsion production plant or for later use in the open pit blasting process.



Root Causes and Corrective Measures

An investigation was conducted soon after the incident occurred to determine the root causes and contributing factors. The investigation concluded with the following:

 The current loading setup allowed for a bin to be pushed off the loading deck even with a spotter in place.

The following corrective and preventative actions have been implemented to address the root causes and to reduce the likelihood of reoccurrence:

- A job hazardous analysis was completed to review all hazards with operators.
- A designated loading area has been identified and is now in use to allow for a backstop to prevent the bin from being pushed off the loading deck.
- The "Boom Truck Emulsion Loading and Transportation" procedure is being developed and will be issued for use in the coming days.
- The Boom Truck Emulsion Loading and Transportation procedure will be reviewed with relevant employees.

Should you have any questions or require further information, please do not hesitate to contact the undersigned.



Randy Schwandt | Environment Coordinator randy.schwandt@agnicoeagle.com | Direct 819.759.3555 x4603996 | Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0

Sent from Meliadine



Appendix – Photos





Photo 1: Emulsion spill location



Photo 2: Emulsion spill remediation





REPORT DATE: MONTH - DAY - YEAR

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

REPORT TIME

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	11-25-2022	PORT DATE: MONTH – DAY – YEAR 1-25-2022		RT TIME 00	XORIGINAL SPILL RE	PORT, REPORT NUMBER			
В	OCCURRENCE DATE: MONTH			RRENCE TIME	☐ UPDATE # TO THE ORIGINAL SPII	LL REPORT			
С	LAND USE PERMIT NUMBER (IF APPLICABLE) KVPL11D01			WATER LICENCE NUMBER (IF APPLICABLE) 2AM-MEL1631					
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION Meliadine Gold Project			ATION REGION NWT XINUNAVUT DADJACENT JURISDICTION OR OCEAN					
Е	DEGREES 00 MINUTES 2 SECONDS 21 DEGREES 02 MINUTES 10 SECONDS 41								
F	RESPONSIBLE PARTY OR VE Agnico Eagle Mir								
G	ANY CONTRACTOR INVOLVED N/A	ED CONTRACTOR ADDRESS OR OFFICE LOCATION N/A							
	PRODUCT SPILLED Sewage QUANTITY IN LIT 30 Litres			KILOGRAMS OR CUBIC MI	ETRES U.N. NUMBER	U.N. NUMBER			
Н	SECOND PRODUCT SPILLED N/A	(IF APPLICABLE)	QUANTITY IN LITRES, I	KILOGRAMS OR CUBIC MI	ETRES U.N. NUMBER	U.N. NUMBER			
I	SPILL SOURCE Sewage lift statio	SPILL SOURCE SPILL CAUSE Sewage lift station Equipme		ilure	AREA OF CONTAIN	AREA OF CONTAMINATION IN SQUARE METRES 3.0			
J	FACTORS AFFECTING SPILL (AFFECTING SPILL OR RECOVERY DESCRIBE ANY ASSIS N/A			HAZARDS TO PERSONS, PROPERTY OR EQUIPM N/A				
K	industrial pad. The spill was contained to the local area and the contaminated material was recovered. The coordinates of the spill are 63° 2' 24.32" N, 92° 13' 43.51" W. No water bodies were impacted by this spill. The nearest natural water body (G2) is 222 m northwest. Pursuant to Part H, Item 8c of Water License 2AM-MEL1631, a follow up report will be issued after the investigation is completed. Reported by Brett Fairbairn, Environment Coordinator 819-759-3555 ext. 4603996 Brett.Fairbairn@agnicoeagle.com								
L	REPORTED TO SPILL LINE BY Brett Fairbairin POSITION Env. Coordinat		ator AEI		LOCATION CALLING FF	ROM TELEPHONE 819-759-3555			
M	ANY ALTERNATE CONTACT Kyle Conway	POSITION Env. Supervis	sor AEI		ALTERNATE CONTACT Meliadine LOCATION	ALTERNATE TELEPHONE 819-860-1033			
		•	REPORT LINE USE	ONLY					
N	RECEIVED AT SPILL LINE BY	POSITION	EMPLO	OYER	LOCATION CALLED	REPORT LINE NUMBER			
	STATION OPERATOR				YELLOWKNIFE, NT	(867) 920-8130			
LEAD AGENCY EC CCG GNWT GN ILA INAC				GNIFICANCE MINOR		FILE STATUS OPEN CLOSED			
AGENCY CONTACT NAME		CONTACT NAME	CC	ONTACT TIME	REMARKS	REMARKS			
	T SUPPORT AGENCY								
	OND SUPPORT AGENCY								
			[
THIR	D SUPPORT AGENCY								



December 21, 2022

Kyle Amsel
Water Resource Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
XOC 0G0

Sent via email: Kyle.Amsel@rcaanc-cirnac.gc.ca

Re.: Follow-up Report: Spill # 2022542 – Release of 30 L of Sewage at the Meliadine Gold Project

On November 25th, 2022, the Nunavut Spill Report Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a spill of approximately 30 L of sewage at the Meliadine Gold Project site. Spill location coordinates are: 63° 2′ 24.32" N, 92° 13′ 43.51" W. This follow-up report provides supplemental information based on the results of the incident investigation and is being provided in accordance with:

• the Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c.

Description of Incident

On November 24th, at approximately 6:30 pm, sewage overflowed from the pump of the wing 3 lift station. No water bodies were impacted by this spill. The closest water body (G2) is approximately 222 meters northwest, as seen in Figure 1.





Figure 1: Location of sewage spill and proximity to water bodies.

Upon discovery of the spill, personnel noticed the pump was not running and manually engaged the pump to reduce the level in the lift station. Personnel requested a vacuum truck to recover the liquid untreated sewage spilled outside the lift station. Hand tools were used to clean up the frozen material and placed in a drum for disposal at Landfarm A as per section 3.4.4 of the Landfarm Management plan.



Root Causes and Corrective Measures

An investigation was conducted to determine the root causes and contributing factors. The investigation concluded with the following:

- Floats did not engage the pump as levels in the basin rose.
- Consequently, no alarms were triggered as the spill was occurring.
- The secondary containment in place overflowed as no alarms were trigged.

The following corrective and preventative actions have been implemented to address the root causes and to reduce the likelihood of reoccurrence:

- New floats were installed.
- Tests were conducted to ensure the new floats are operating properly.
- Once the floats were installed, alarms were tested and operated as per design.
- Lift station inspections were increased to two times per day to verify proper operation.
- A formal lift station preventative maintenance program and associated work orders was developed.

Should you have any questions or require further information, please do not hesitate to contact the undersigned.



Randy Schwandt | Environment Coordinator randy.schwandt@agnicoeagle.com | Direct 819.759.3555 x4603996 | Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0

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Appendix – Photos







Photos 1&2: Wing three lift station 30 L spill





Photo 3: Ground area outside the wing three lift station, post cleanup.



Photo 4: Ground area outside the wing three lift station.





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

REPORT LINE USE ONLY

Α	REPORT DATE: MONTH – DAY 12-17-2022	-YEAR	REPORT		ME	XORIGINAL SPILL REPORT,		DEDORT NUMBER	
	OCCURRENCE DATE: MONTH	– DAY – YEAR	17:3		NCE TIME	OR UPDATE #		REPORT NUMBER	
В	12-17-2022				TO THE ORIGINAL SPILI	REPORT			
С	LAND USE PERMIT NUMBER (KVPL11D01		WATER LICENCE NUMBER (I 2AM-MEL1631		(IF APPLICABLE)				
D	GEOGRAPHIC PLACE NAME C Meliadine Gold Pr		CATION	REGION					
	LATITUDE	Oject		L	□ NWT X NUNAVU ONGITUDE	JT □ ADJACENT JUR	ISDICTION (OR OCEAN	
Е	DEGREES 63	MINUTES 2	SECONDS 21				SE	conds 41	
F	RESPONSIBLE PARTY OR VES			esponsible party address or office location Meliadine, Rankin Inlet, Nunavut, X0C 0G0					
G	ANY CONTRACTOR INVOLVED N/A	CONTRACTOR ADDRESS OR OFFICE LOCATION N/A							
	PRODUCT SPILLED Sewage	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 50 Liters			U.N. NUMBER				
H	SECOND PRODUCT SPILLED (QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES			ES U.N. NUMBER	U.N. NUMBER			
	N/A	N/A				N/A			
I	Main Camp Lift St	Equipment Failure			area of contami	AREA OF CONTAMINATION IN SQUARE METRES 2			
J	FACTORS AFFECTING SPILL C	TING SPILL OR RECOVERY DESCRIBE ANY ASSIS N/A			E REQUIRED	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT N/A			
K	An overflow of the main camp lift station resulted in a spill of 50 L of sewage to the industrial pad. The spill was contained to the local area. Clean up activities are ongoing. The coordinates of the spill are 63° 2′ 23.60′′N, 92° 13′ 39.57′′W. No water bodies were impacted by this spill. The nearest natural water body (G2) is 280 m north. Pursuant to Part H, Item 8c of water license 2AM-MEL1631, a follow up report will be issued after the investigation is completed. Reported by Randy Schwandt, Environment Coordinator 819-759-3555 ext. 4603996 Randy.Schwandt@agnicoeagle.com , Kyle.Conway@agnicoeagle.com ext. 4603212								
L	REPORTED TO SPILL LINE BY Randy Schwandt			EMPLOYER AEM	R	LOCATION CALLING FRO		ELEPHONE 319-759-3555	
M	ANY ALTERNATE CONTACT Kyle Conway	POSITION General super	E	MPLOYER AEM	3	ALTERNATE CONTACT Meliadine LOCATION	Al	LTERNATE TELEPHONE 819-860-1033	
	- •	-	REPORT LINE	USE ONL	.Y				
N	RECEIVED AT SPILL LINE BY	POSITION	E	EMPLOYER	3	LOCATION CALLED	R	EPORT LINE NUMBER	
1 1	STATION OPERATOR					YELLOWKNIFE, NT	(8	67) 920-8130	
LEAD	LEAD AGENCY □ EC □ CCG □ GNWT □ GN □ ILA □ INAC □ NEB □ TC				SIGNIFICANCE MINOR MAJOR UNKNOWN FILE STATUS OPEN CLO			S □ OPEN □ CLOSED	
AGE	AGENCY CONTACT NAME			CONTACT TIME		REMARKS	REMARKS		
	AGENCY								
	T SUPPORT AGENCY OND SUPPORT AGENCY								
	D SUPPORT AGENCY								
				1					



January 15th, 2023

Kyle Amsel
Water Resource Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
XOC OGO

Sent via email: Kyle.Amsel@rcaanc-cirnac.gc.ca

Re: Follow-up Report Spill #2022556 - Spill of 50L of Sewage at the Meliadine Gold Project

On December 17th, 2022, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a spill of approximately 50L of sewage at the Meliadine Gold Project site (spill location coordinates: 63° 2′ 23.60" N, 92° 13′ 39.57"). This follow-up report provides supplemental information based on the results of the incident investigation and is being provided in accordance with:

• the Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c.

Description of Incident

On December 17th, 2022, at approximately 8:00 am, an estimated 50L of sewage was spilled to the industrial pad due to an equipment failure at the main camp lift station causing it to overflow. The spilled sewage collected directly underneath the lift station enclosure. No water bodies were impacted by this spill. The closest water body (G2) is approximately 280 meters north, as seen in Figure 1.





Figure 1: Location of the sewage spill and proximity to water bodies.

The operator of the sewage treatment plant responded to the red strobe light indicating a high volume of sewage in the main camp lift station. The operator switched the system into manual mode to lower the level in the tank to stop the overflow. The spilled sewage travelled underneath the lift station and is inaccessible. The area will be remediated upon replacement or closure of the lift station.



Root Cause and Corrective Measures

An investigation was conducted soon after the incident occurred to determine the root cause and contributing factors. The investigation concluded with the following:

- An alternator relay failed which resulted in the system automation malfunction.
- The inside of the lift station is humid and increases the potential for electrical issues.

The following corrective and preventative actions have been implemented to address the root causes and to reduce the likelihood of reoccurrence:

- An external shelter will be built to house the electrical components reducing humidity.
- Increased lift station inspections to twice daily.
- Develop a preventive maintenance program for each lift station (mechanical/electrical) and have automated work orders generated based on the preventive maintenance schedule.

Should you have any questions or require further information, please do not hesitate to contact the undersigned.



Kyle Conway | Environment General Supervisor

kyle.conway@agnicoeagle.com Direct 819.759.3555 x4603212 Mobile 819.860.1033

Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0

agnicoeagle.com f 💿 💟 🛅 D

Sent from Meliadine





REPORT DATE: MONTH - DAY - YEAR

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

REPORT TIME

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	12-23-2022	2-23-2022		1 08:30		XORIGINAL SPILL REPORT, DR		REPORT NUMBER	
\Box	OCCURRENCE DATE: MONTH -	MONTH – DAY – YEAR		OCCURRENCE TIME		I UPDATE # O THE ORIGINAL SPILL REPOR		-	
C	LAND USE PERMIT NUMBER (IF APPLICABLE) KVPL11D01			2AM-ME	WATER LICENCE NUMBER (IF APPLICABLE) 2AM-MEL1631				
D	GEOGRAPHIC PLACE NAME OF Meliadine Gold Pr	ATION REGION							
Е	LATITUDE LONGITUDE DEGREES 63 MINUTES 2 SECONDS 21 DEGREES 92 MINUTES 13 SECONDS 41						CONDS 41		
F	RESPONSIBLE PARTY OR VESSEL NAME Agnico Eagle Mines Ltd. RESPONSIBLE PARTY ADD Meliadine, Rank								
G	ANY CONTRACTOR INVOLVED CONTRACTOR ADDRESS OR OFFICE LOCATION								
	Sewage 40 Liters		QUANTITY IN LITRE 40 Liters	ES, KILOGRAMS OR C	CUBIC METRES	U.N. NUMBER N/A			
	SECOND PRODUCT SPILLED (IF APPLICABLE) N/A QUANTITY IN LITRES N/A			ES, KILOGRAMS OR C	U.N. NUMBER N/A				
I	SPILL SOURCE Power Plant Lift S	SPILL CAUSE Equipment Failure			AREA OF CONTAMINATION IN SQUARE METRES 3				
J	FACTORS AFFECTING SPILL O N/A	ACTORS AFFECTING SPILL OR RECOVERY N/A N/A DESCRIBE ANY ASSISTA N/A)	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT N/A			
K	The coordinates of the spill are 63° 2' 16.41" N, 92° 13' 31.42" W. No water bodies were impacted by this spill. The nearest natural water body (G2) is 520 m north. Pursuant to Part H, Item 8c of water license 2AM-MEL1631, a follow up report will be issued after the nvestigation is completed. Reported by Brett Fairbairn, Environment Coordinator 819-759-3555 ext. 4603996 Brett.Fairbairn@agnicoeagle.com, Sara.Savoie@agnicoeagle.com ext. 4603212								
L	REPORTED TO SPILL LINE BY Brett Fairbairn POSITION Env. Coordin		nator AEM		I .	LOCATION CALLING FROM Meliadine		TELEPHONE 819-759-3555	
М	ANY ALTERNATE CONTACT Sara Savoie	POSITION General supe	pervisor AEM			ALTERNATE CONTACT Meliadine LOCATION		TERNATE TELEPHONE 319-856-9349	
			REPORT LINE U	ISE ONLY					
N	RECEIVED AT SPILL LINE BY	POSITION OPERATOR	EN	IPLOYER		CATION CALLED		EPORT LINE NUMBER	
LEAD	AGENCY□EC□CCG□G	STATION OPERATOR NWT GN GILA GINAC	□ NEB □ TC	SIGNIFICANCE N	l	LLOWKNIFE, NT R UNKNOWN FILE		67) 920-8130 S □ OPEN □ CLOSED	
AGENCY CONTACT NAME				CONTACT TIME		REMARKS			
LEAD	AGENCY								
FIRS	T SUPPORT AGENCY								
SECC	OND SUPPORT AGENCY								
THIR	D SUPPORT AGENCY								



January 21st, 2023

Kyle Amsel
Water Resource Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
XOC OGO

Sent via email: kyle.amsel@rcaanc-cirnac.gc.ca

Re: Follow-up Report Spill #2022559 – Release of 40L of Sewage at the Meliadine Gold Project

On December 22nd, 2022, the Nunavut Spill Report Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a spill of approximately 40L of sewage at the Meliadine Gold Project site. The spill location coordinates are: 63° 2′ 16.41" N, 92° 13′ 31.42" W. This follow-up report provides supplemental information based on the results of the incident investigation and is being provided in accordance with the Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c.

Description of Incident

On December 22nd, 2022, at approximately 10:00 am, an estimated 40L of sewage was spilled on the industrial pad from a damaged distribution line from the power plant lift station. The line sustained damage due to freezing. No water bodies were impacted by this spill. The closest water body (G2) is approximately 520 meters north-northwest, as seen in Figure 1.





Figure 1: Location of the sewage spill and proximity to water bodies.

While conducting a routine site inspection the Power Plant Operator noticed the lift station was overflowing onto the ground. Upon discovery, the operator immediately called the Energy and Infrastructure (E&I) Maintenance Supervisor. E&I Maintenance quickly responded by closing washrooms that discharge into the lift station and bringing a vacuum truck to empty the lift station. Hand tools were used to clean up the frozen material. The material was brought to Landfarm A as per the Landfarm Management Plan.



Root Causes and Corrective Measures

An investigation was conducted soon after the incident occurred to determine the root causes and contributing factors. The investigation concluded the following:

• A heat-trace cable servicing the lift station discharge pipe was not functioning properly allowing the liquid in the distribution line to freeze.

The following corrective and preventative actions have been implemented to address the root causes and to reduce the likelihood of reoccurrence:

- Moreau Construction conducted a full inspection of the distribution line. A section of heat trace was found to be faulty and replacement parts are on order for repair.
- AEM plumbers inspected the washroom facilities at the E&I Carpentry Shop and the Power Plant and identified a passing toilet. The issue was addressed, and the flow stopped.
- Vacuum truck operators now conduct 3 inspections per shift and drain the lift station to prevent another overflow event.

Should you have any questions or require further information, please do not hesitate to contact the undersigned.



Brett Fairbairn | Environment Coordinator brett.fairbairn@agnicoeagle.com | Direct 819.759.3555 x4603996 | Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0



Appendix – Photos





Photos 1: Sewage spill outside life station.



Photo 3: Sewage spill location post clean up.



Photos 2: Sewage spill under infrastructure.



Photo 4: Sewage spill location post clean up.