

**WATER LICENCE INSPECTION FORM**☒ Original
☐ Follow-Up Report

Licensee	Licensee Representative
Agnico Eagle Gold Mines	David Frenette, Environmental Coordinator
Licence No. / Expiry	Representative's Title
2BE-PKR2126 / October 30 th , 2026	Parker and Cone Hill Project
Land Authorization No.	Land Authorization Expiry
N2016C0002 (Drilling and winter trail)	Camp is located on IOL
Date of Inspection	Inspector
September 11 th , 2022	WRO C. Wilson
Activities Inspected	
<input checked="" type="checkbox"/> Camp <input type="checkbox"/> Drilling <input type="checkbox"/> Mining <input type="checkbox"/> Construction <input type="checkbox"/> Reclamation <input type="checkbox"/> Fuel Storage <input type="checkbox"/> Roads/Hauling <input type="checkbox"/> Other: <input type="checkbox"/> Other:	

SECTION 1	<input checked="" type="checkbox"/> Comments (s. __)	<input type="checkbox"/> Non-Compliance with Act or Licence (s. __)	<input type="checkbox"/> Action Required (s. __)
<p>An inspection of Agnico Eagle Mines Ltd.'s Parker Lake exploration camp (camp) was completed by Crown-Indigenous Relations and Northern Affairs Canada (CIRNAC)'s, Water Resource Officer, Christine Wilson (Inspector). The inspection was conducted to ensure compliance with applicable terms and conditions of the water licence, no. 2BE-PKR2126.</p> <p>The following report was produced with observations noted by the Inspector at the camp and spill file number 17-263.</p> <p>PRELIMINARY NOTES</p> <ul style="list-style-type: none"> - In 2017, approximate 275L of diesel was spill to the tundra near the camp. Spill report number 17-263 was issued. Remediation was finalized with a follow-up report provided to the Inspector (Appendix 1). - The report indicated that low levels of contamination was found at one of the soil sample locations. The Inspector found no concerns related to the sample result as further reclamation work would require additional impacts to the locations. - The report also indicated that approximately 30 mega bags were removed from the sites (Appendix 2). <p>OBSERVATIONS</p> <ol style="list-style-type: none"> 1. The spill no. 17-263 is generally located at N63° 35' 11.93", W94° 6' 43.79". The excavation is filled with water with no visible sheen. 2. The camp has been removed, only four structures remain (photo 1). 3. There is a large open burning area were the camp (photo 2) was originally located. 4. The burn area has nails (photo 3), partially burn wood and some other metal waste (photo 4). 			
SECTION 2	<input type="checkbox"/> Comments (s. __)	<input checked="" type="checkbox"/> Non-Compliance with Act or Licence (s. 2)	<input type="checkbox"/> Action Required (s. __)
<p>Concerns related to the terms and conditions of water licence no. 2BE-PKR2126:</p> <p>PART I item 1: AEM will implement the plan titled "Conceptual Reclamation and Closure Plan" as approved by the Board.</p>			
SECTION 3	<input type="checkbox"/> Comments (s. __)	<input type="checkbox"/> Non-Compliance with Act or Licence, (s. __)	<input checked="" type="checkbox"/> Action Required (s. 3)
<p>— Spill report no. 17-263 has been recommended for closure based on the information provided by AEM and the observations made in 2021 and 2022.</p> <p>— AEM representatives indicated that they will be returning to camp in the summer of 2023 to complete the final reclamation which includes removal of the materials noted during the inspection.</p>			

Licensee or Representative	Inspector's Name
	C. Wilson
Signature	Signature
	Sent by e-mail
Date	Date
	October 27 th , 2022
Office Use Only: Follow-up report to be issued by Inspector <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	



PHOTO LOG

Date:	Authorization Number:	Camera/Model:	Inspector
September 11th, 2022	2BE-PRK2126	Sony DSC-HX50V Cyber shot	WRO Wilson
Photo No.	Lat/Long (DD.MM.SS.SS, NAD83)		
Photo 1	N63° 35' 11.93", W94° 6' 43.79"		



Description:
Parker Lake Exploration Camp, Agnico Eagle Mines



Photo No.

Photo 2

Lat/Long (DD.MM.SS.SS, NAD83)

N63° 35' 13.4", W 94° 6' 55.2"



Description:

Four remaining structures, core and burn area at Parker Lake Camp.



Photo No.

Lat/Long (DD.MM.SS.SS, NAD83)

Photo 3

N63° 35' 13.84", W94° 06' 50.03"



Description:

Nails on the ground in burn area.



Photo No.

Photo 4

Lat/Long (DD.MM.SS.SS, NAD83)

N63° 35' 11.84", W 94° 6' 46.73"



Description:

Burn area.



AGNICO EAGLE

Parker Lake Exploration Project

Fuel Drums Spill

Spill 17-263

Situation Report on

April 2022

Prepared by:

Agnico Eagle Mines Limited, Exploration Division

Introduction

On July 22nd 2017, a diesel fuel spill occurred at the Parker Lake exploration camp site where drums were temporarily stored in a seacan. The 275-litre fuel spill was declared to the Spill Report Line and other regulators on July 23rd. This follow-up report describes the actions taken to remediate the area.

Remediation actions

Initial actions

The spill occurred on July 22nd and immediate actions to limit the impacts were undertaken. With the support of the Meliadine environmental department, remediation actions were conducted in July, August and September 2017. These actions included the use of absorbent and the excavation of contaminated soil using a mini excavator.

Figure 1, 2017 Initial Excavation



Part of the contaminated soil was located under a seacan and in order to continue the decontamination, the seacan needed to be moved. The seacan was moved during the winter allowing the excavation of contaminated soil to be continued in August 2018.

Figure 2, 2018 Excavation and Monitoring



Following the excavation done in August 2018, monitoring of the site was conducted on September 4th 2018. Three of the nine samples taken exceeded the PHC fraction 3 and 4 criteria of the Environmental Guideline for Contaminated Site Remediation of the Government of Nunavut and taking into account that the soil is characterized as a coarse-grained soil.

Table 1, 2018 Samples Results

		1	2	3	4	5	6	7	8	9
		18-PKSP-1	18-PKSP-2	18-PKSP-3	18-PKSP-4	18-PKSP-5	18-PKSP-6	18-PKSP-7	18-PKSP-8	18-PKSP-9
Parameter		2018-09-04	2018-09-04	2018-09-04	2018-09-04	2018-09-04	2018-09-04	2018-09-04	2018-09-04	2018-09-04
Humidity	%	30.4	40.6	20.1	11.5	15.4	14.6	41.4	28.1	19.8
Benzene	mg/kg	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Toluene	mg/kg	<0.06	0.16	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
Ethylbenzene	mg/kg	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
Xylene	mg/kg	<0.06	0.09	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
PHC Fraction 1	mg/kg	<10	<10	<10	<10	<10	<10	<10	<10	<10
PHC Fraction 2	mg/kg	<10	<10	<10	<10	290	54	240	340	<10
PHC Fraction 3	mg/kg	87	69	54	<50	420	160	850	630	<50
PHC Fraction 4	mg/kg	51	<50	52	<50	<50	<50	<50	<50	<50

On August 17th and 18th 2019, using a mini excavator, soil was excavated in the area where the previous samples returned non-compliant results. 2 quatrex bags were filled with contaminated material and 4 soil samples were taken. 2 out of 4 samples returned with contamination above the limits as shown on Table 2.

Figure 3, 2019 soil excavation



Figure 4, 2019 Monitoring

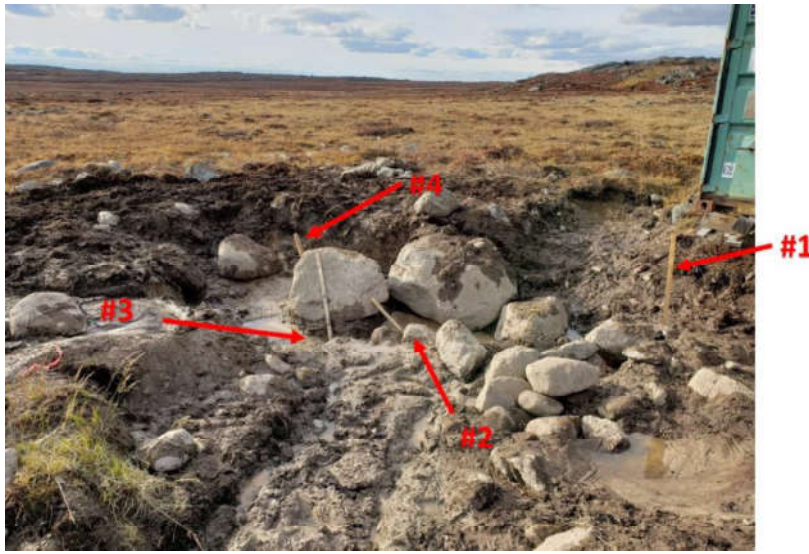


Table 2, 2019 Monitoring Results

PKL Spill	LAND USE	Sample Date	2019-08-19	2019-08-19	2019-08-19	2019-08-19
	AGRICULTURE/WILDLIF	Sample	PKL19-01	PKL19-02	PKL19-03	PKL19-04
Parameter	E	Unit				
Benzene	0.03	mg/kg	< 0.03	< 0.03	< 0.03	< 0.03
Ethylbenzene	0.082	mg/kg	< 0.06	< 0.06	< 0.06	< 0.06
Ethylbenzene-d10		%	108	105	102	98
Moisture, Percent		%	22	35.7	16.6	13.3
Petroleum Hydrocarbons - F1 (C6-C10)	30	mg/kg	< 10	< 10	< 10	< 10
Petroleum Hydrocarbons - F2 (C10-C16)	150	mg/kg	96	330	52	380
Petroleum Hydrocarbons - F3 (C16-C34)	300	mg/kg	260	430	97	240
Petroleum Hydrocarbons - F4 (C34-C50)	2800	mg/kg	53	59	< 50	< 50
Toluene	0.37	mg/kg	< 0.06	< 0.06	< 0.06	< 0.06
Xylenes, Total	11	mg/kg	< 0.06	< 0.06	< 0.06	< 0.06

On September 13th and 14th, additional soil was excavated and 4 quatrex bags were filled with contaminated soil. Samples taken following this excavation were not analyzed by the lab due to some logistic issues.

Figure 5, 2019 Monitoring



As final samples were not analyzed following the 2019 decontamination, monitoring was conducted on September 3rd 2021 with samples taken at locations where samples above the limit were located. Results in Table 3 show that the area was decontaminated except at the location of sample #PKL21-02 where the result (160mg/kg) is slightly just above the limit for agriculture/wildlife (150mg/kg), but well under the limit for industrial purposes (260mg/kg). The sample #PKL21-02 was taken between boulders where additional material would be difficult to remove due to the boulders and the remote location of the site reducing the possibility to transport heavier equipment.

Figure 6, 2021 Monitoring



Table 3, 2019-2021 Monitoring Results

PKL Spill	LAND USE		Sample Date	2019-08-19	2019-08-19	2019-08-19	2019-08-19	2021-09-03	2021-09-03
	AGRICULTURE/WILDLIF	LAND USE INDUSTRIAL		PKL19-01	PKL19-02	PKL19-03	PKL19-04	PKL21-02	PKL21-04
Parameter	E		Unit						
Benzene	0.03	0.03	mg/kg	< 0.03	< 0.03	< 0.03	< 0.03		
Ethylbenzene	0.082	0.082	mg/kg	< 0.06	< 0.06	< 0.06	< 0.06		
Ethylbenzene-d10			%	108	105	102	98		
Moisture, Percent			%	22	35.7	16.6	13.3		
Petroleum Hydrocarbons - F1 (C6-C10)	30	320	mg/kg	< 10	< 10	< 10	< 10		
Petroleum Hydrocarbons - F2 (C10-C16)	150	260	mg/kg	96	330	52	380	160	<10
Petroleum Hydrocarbons - F3 (C16-C34)	300	1700	mg/kg	260	430	97	240	220	<50
Petroleum Hydrocarbons - F4 (C34-C50)	2800	3300	mg/kg	53	59	< 50	< 50	<50	<50
Toluene	0.37	0.37	mg/kg	< 0.06	< 0.06	< 0.06	< 0.06		
Xylenes, Total	11	11	mg/kg	< 0.06	< 0.06	< 0.06	< 0.06		

Conclusion

The 275-litre fuel spill declared in 2017 was followed by immediate actions to control and recover as much of the fuel that spilled into the environment. The immediate remediation activities done in 2017 included soil excavation and were followed by monitoring and additional excavations in 2018 then 2019.

Considering the low level of remaining contamination in a single sample located in an area covered by large boulders, the environmental damage required to mobilize heavier equipment and the difficulties to bring one there to move the boulders and excavate the soil would be greater than closing the file in the current conditions.

Wilson, Christine

From: David Frenette <david.frenette@agnicoeagle.com>
Sent: Monday, June 27, 2022 1:38 PM
To: Wilson, Christine
Subject: RE: [EXTERNAL] RE: [2020-KIV09-CW] 2BE-PKR1621 Water Licence Inspection Form 08.11.20

Hi Christine,






Sorry for the delay, I was waiting for the confirmation which I just received.

Seacan MOGU 260537-6 : 9 Quadrex, 3 drums and 2 pails
Seacan CLHU 207534-0: 9 Quadrex, 8 drums
Seacan APLS 287750-8: 5 Quadrex, 1 yellow bag, 9 drums

These seacans are behind Orbit garage at Explo Camp, Meadowbank

Let me know if you need additional information.



David Frenette | Coordonnateur environnement
david.frenette@agnicoeagle.com | Direct 819.874.5980 ,4103622 | Mobile 819.355.9271
Agnico Eagle Mines Limited - Exploration Val-d'Or - 765, chemin de la mine Goldex - Val-d'Or, QC,
Canada J9P 7G4
agnicoeagle.com     

De : Wilson, Christine <Christine.Wilson3@rcaanc-cirnac.gc.ca>
Envoyé : 27 juin 2022 12:57
À : David Frenette <david.frenette@agnicoeagle.com>
Objet : RE: [EXTERNAL] RE: [2020-KIV09-CW] 2BE-PKR1621 Water Licence Inspection Form 08.11.20

Hi David,

Can you provide an update to this? We have moved some of our inspection around with the caribou migration and would like to finalize this closure during that time.

Regards,

Christine






From: David Frenette <david.frenette@agnicoeagle.com>
Sent: Monday, June 6, 2022 9:59 AM
To: Wilson, Christine <Christine.Wilson3@rcaanc-cirnac.gc.ca>
Subject: RE: [EXTERNAL] RE: [2020-KIV09-CW] 2BE-PKR1621 Water Licence Inspection Form 08.11.20

Hi Christine,

I'm still waiting for the confirmation, but it would be around 30 quatrex-bags and drums transported to Baker Lake.

I'll provide you confirmation for the volume soon.



David Frenette | Coordonnateur environnement
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Canada J9P 7G4
agnicoeagle.com     

De : Wilson, Christine <Christine.Wilson3@rcaanc-cirnac.gc.ca>

Envoyé : 26 mai 2022 12:23

À : David Frenette <david.frenette@agnicoeagle.com>

Objet : RE: [EXTERNAL] RE: [2020-KIV09-CW] 2BE-PKR1621 Water Licence Inspection Form 08.11.20

Hi David,

I have read through the information in the report for spill 17-263. Can you confirm how much materials was removed in total and location of this material?

We are transiting through the area this year and will complete the final inspection, tentatively on July 11th. In general I agree with your assessment of the clean-up, mobilizing equipment to this location would cause more damage than the area of contamination, though do keep in mind at no time would industrial standards be consider acceptable at a site such as this.

Thank you for getting this to me so quickly and I will advise closer to the date.

Regards,

Christine Wilson, EP
Water Resource Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Christine.Wilson3@rcaanc-cirnac.gc.ca / Tel: (867) 645-2830 / Mobile: (867) 222-6482



Crown-Indigenous Relations
and Northern Affairs Canada

Relations Couronne-Autochtones
et Affaires du Nord Canada

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From: David Frenette <david.frenette@agnicoeagle.com>

Sent: Wednesday, April 27, 2022 2:42 PM

To: Wilson, Christine <Christine.Wilson3@rcaanc-cirnac.gc.ca>






Subject: RE: [EXTERNAL] RE: [2020-KIV09-CW] 2BE-PKR1621 Water Licence Inspection Form 08.11.20

Hello Christine,

Please find attached a report of the file. Let me know if this is acceptable for you.

Regards,



David Frenette | Environmental Coordinator
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Agnico Eagle Mines Limited - Exploration Val-d'Or - 765, chemin de la mine Goldex - Val-d'Or, QC,
Canada J9P 7G4
agnicoeagle.com     

De : Wilson, Christine <Christine.Wilson3@rcaanc-cirnac.gc.ca>

Envoyé : 19 avril 2022 09:51

À : David Frenette <david.frenette@agnicoeagle.com>

Objet : RE: [EXTERNAL] RE: [2020-KIV09-CW] 2BE-PKR1621 Water Licence Inspection Form 08.11.20

Yes David thank you.

From: David Frenette <david.frenette@agnicoeagle.com>

Sent: Friday, April 15, 2022 12:14 PM






To: Wilson, Christine <Christine.Wilson3@rcaanc-cirnac.gc.ca>

Subject: RE: [EXTERNAL] RE: [2020-KIV09-CW] 2BE-PKR1621 Water Licence Inspection Form 08.11.20

Hi Christine,

you're right I didn't provide an update in 2021 concerning this file. Is the week of the 25th would be fine for you to obtain a short summary?



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De : Wilson, Christine <Christine.Wilson3@rcaanc-cirnac.gc.ca>

Envoyé : 13 avril 2022 10:56

À : David Frenette <david.frenette@agnicoeagle.com>

Objet : [EXTERNAL] RE: [2020-KIV09-CW] 2BE-PKR1621 Water Licence Inspection Form 08.11.20

CAUTION: EXTERNAL

Hi David,

Can you give me an update about spill 17-263. I was reviewing the information on this spill file and realized it was not updated since 2020.

Thank you,

Christine

From: Wilson3, Christine (AADNC/AANDC) <christine.wilson3@canada.ca>

Sent: Friday, December 4, 2020 2:55 PM

To: NWB Licensing (licensing@nwb-oen.ca) <licensing@nwb-oen.ca>; David Frenette
<david.frenette@agnicoeagle.com>

Cc: Hack, Justin (AADNC/AANDC) <justin.hack@canada.ca>; Noble, Layli (AADNC/AANDC) <layli.noble@canada.ca>;
Voisey, Jakob (AADNC/AANDC) <jakob.voisey@canada.ca>

Subject: [2020-KIV09-CW] 2BE-PKR1621 Water Licence Inspection Form 08.11.20

Good Afternoon,

Please find attached a water licence inspection report for the Agnico Eagles Mines Ltd., Parker Lake Exploration Camp from August 11th, 2020.

If you have any questions regarding this report please contact me directly.

Regards,

Christine Wilson, EP

Water Resource Officer

Kivalliq Region, Field Operations Unit

Crown-Indigenous Relations and Northern Affairs Canada

Christine.Wilson3@Canada.ca / Tel: (867) 645-2830 / Mobile: (867) 222-6482

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