



**AGNICO EAGLE**

**Parker Lake Exploration Project  
Fuel Drums Spill  
Spill 17-263**

**Situation Report on  
November 2018**

Prepared by:

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## **Introduction**

On July 22<sup>nd</sup>, 2017, a fuel spill occurred at the Parker Lake exploration 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 23<sup>rd</sup>. This follow-up report describes the actions taken to remediate the area.

## **Remediation actions**

### **First response**

The spill occurred on July 22<sup>nd</sup> 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.



Part of the contaminated soil was located under a seacan in order to pursue 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.



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

Table 1, 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

Additional investigation and remediation of the area were planned to be done on September 29<sup>th</sup>, but the site visit showed that the soil was already too frozen to be excavated so these actions had to be postponed until the summer.

## **Conclusion**

Additional excavation of the site will be conducted in 2019 in the area where the samples taken were non-compliant and an additional sampling event will then be conducted to ensure that the decontamination is completed.