



AGNICO EAGLE

**Parker Lake Exploration Project
Generator fell from a helicopter spill
Spill 17-358**

**Situation Report on
November 2018**

Prepared by:

Agnico Eagle Mines Limited, Exploration Division

Introduction

On September 22nd, 2017, a spill occurred between the Parker Lake exploration project and the Meliadine camp site. While transporting material from Parker Lake to Meliadine by helicopter, a sling broke and a generator fell roughly to the ground causing a diesel, oil and glycol spill near a water body. The spill was reported to the Spill Report Line and other regulators on September 23rd as a 50-litre diesel and 17-litre oil and glycol spill.

Remediation actions

First response

The spill occurred on September 22nd, and immediate actions to limit the impacts were undertaken. With the support of the Meliadine environmental department, remediation actions were conducted between September 22nd and 30th. These actions included the use of absorbent, manual excavation of contaminated soil, pumping of contaminated water and transport of the contaminated material to the Meliadine site.



2018

Monitoring of the spill site was done in June 2018 with a sampling event conducted on June 27th by a Meliadine environmental technician. Sampling results were obtained only on September 10th and grain sizing results on November 7th. One of the ten samples taken exceeded the PHC fraction 3 criteria of the Environmental Guideline for Contaminated Site Remediation of the Government of Nunavut. The result of the sample Explo-Gs-03 was at 1300mg/kg when the

maximum is 300mg/kg for coarse-grained soil and 1300mg/kg for fine-grained soil. Grain sizing results confirmed that the criteria to apply is 300mg/kg with grain sizing at >75µm.

Table 1, Sample Results

		1	2	3	4	5	6	7	8	9	10
		Explo-GS-01	Explo-GS-02	Explo-GS-03	Explo-GS-04	Explo-GS-05	Explo-GS-06	Explo-GS-07	Explo-GS-08	Explo-GS-09	Explo-GS-10
Parameter		2018-06-27	2018-06-27	2018-06-27	2018-06-27	2018-06-27	2018-06-27	2018-06-27	2018-06-27	2018-06-27	2018-06-27
Humidity	%	35	20	68	35	20	27	21	34	13	22
Benzene	mg/kg	<0.0060	<0.0060	<0.012	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
Toluene	mg/kg	<0.020	<0.020	<0.040	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Ethylbenzene	mg/kg	<0.010	<0.010	<0.020	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Xylene	mg/kg	<0.020	<0.020	<0.040	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
PHC Fraction 1	mg/kg	<10	<10	<20	<10	<10	<10	<10	<10	<10	<10
PHC Fraction 2	mg/kg	15	<10	30	<10	<10	12	10	13	<10	<10
PHC Fraction 3	mg/kg	110	74	1300	<50	<50	190	200	160	<50	<50
PHC Fraction 4	mg/kg	<50	<50	550	<50	<50	79	70	68	<50	<50

Table 2, Grain Size

RESULTS OF ANALYSES OF SOIL

Maxxam ID		HCO794		
Sampling Date		2018/06/27 14:20		
	UNITS	EXPLO-GS-03	RDL	QC Batch
Miscellaneous Parameters				
Grain Size	%	COARSE	N/A	5686382
Sieve - #200 (<0.075mm)	%	35	1	5686382
Sieve - #200 (>0.075mm)	%	66	1	5686382
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable				

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

Spill area on September 29th, 2018



Conclusion

Additional reclamation of the site will be conducted in 2019 in the area where the sample not compliant was taken and an additional sampling event will then be conducted to ensure that the decontamination is completed.