TABLE 1: SOIL CHEMISTRY RESULTS (IMPACTED SOIL TO BE EXCAVATED) - PETROLEUM HYDROCARBON CONSTITUENTS AND MTBE (mg/kg)

Sample ID	Date	Depth (m)	HSVL (ppmv)	Grain Size	Benzene	Ethylbenzene	Toluene	Xylenes	MTBE	F1 (C6-10)	F2 (C10-16)	F3 (C16-34)	F4 (C34-50+)	VPHs	LEPHs	HEPHs
Main Debris Zone - 2015 Limit Samples																
MDZ-EW1-3.0-4.0	4-Mar-2015	3.0 - 4.0	LTDL	Fine-grained	< 0.0050	< 0.010	< 0.020	< 0.040	< 0.10	< 10	< 10	18	< 10	---	---	---
MDZ-EW2-1.0-2.0	4-Mar-2015	1.0 - 2.0	LTDL	Fine-grained	---	---	---	---	---	---	< 10	17	13	---	---	---
MDZ-NWA-1-2	8-Feb-2015	1.0 - 2.0	LTDL	Fine-grained	< 0.0050	< 0.010	< 0.020	< 0.040	< 0.10	< 10	< 10	< 10	< 10	---	---	---
MDZ-NWA-B2-7.0	5-Mar-2015	7.0	LTDL	Fine-grained	< 0.0050	< 0.010	< 0.020	< 0.040	< 0.10	< 10	< 10	23	14	---	---	---
MDZ-DUP-D (BFD of MDZ-NWA-B2-7.0)	5-Mar-2015	7.0	LTDL	Fine-grained	< 0.0050	< 0.010	< 0.020	< 0.040	< 0.10	< 10	< 10	< 10	< 10	---	---	---
MDZ-NW1-0.3-0.8	5-Mar-2015	0.3 - 0.8	LTDL	Fine-grained	< 0.0050	< 0.010	< 0.020	< 0.040	< 0.10	< 10	< 10	< 10	< 10	---	---	---
MDZ-NW1-5.5-6.5	5-Mar-2015	5.5 - 6.5	LTDL	Fine-grained	---	---	---	---	---	---	< 10	< 10	< 10	---	---	---
MDZ-NW1-B1-8.0	5-Mar-2015	8.0	LTDL	Fine-grained	< 0.0050	< 0.010	0.15	< 0.040	< 0.10	< 10	< 10	< 10	< 10	---	---	---
MDZ-NW2-0.3-0.8	5-Mar-2015	0.3 - 0.8	LTDL	Fine-grained	< 0.0050	< 0.010	< 0.020	< 0.040	< 0.10	< 10	< 10	< 10	< 10	---	---	---
MDZ-NW2-4.0-5.0	5-Mar-2015	4.0 - 5.0	LTDL	Fine-grained	---	---	---	---	---	---	< 10	16	< 10	---	---	---
MDZ-NW3-0.3-0.8	5-Mar-2015	0.3 - 0.8	LTDL	Fine-grained	---	---	---	---	---	---	< 10	14	11	---	---	---
MDZ-NW4-0.3-0.8	5-Mar-2015	0.3 - 0.8	LTDL	Fine-grained	< 0.0050	< 0.010	< 0.020	< 0.040	< 0.10	< 10	< 10	< 10	< 10	---	---	---
MDZ-DUP-E (BFD of MDZ-NW4-0.3-0.8)	5-Mar-2015	0.3 - 0.8	LTDL	Fine-grained	< 0.0050	< 0.010	< 0.020	< 0.040	< 0.10	< 10	< 10	< 10	< 10	---	---	---
MDZ-NW4-B5-5.0	5-Mar-2015	5.0	LTDL	Fine-grained	< 0.0050	< 0.010	< 0.020	< 0.040	< 0.10	< 10	< 10	18	< 10	---	---	---
MDZ-NW5-0.3-0.8	5-Mar-2015	0.3 - 0.8	LTDL	Fine-grained	< 0.0050	< 0.010	< 0.020	< 0.040	< 0.10	< 10	< 10	< 10	15	---	---	---
MDZ-NW5-B6-3.0	5-Mar-2015	3.0	LTDL	Fine-grained	< 0.0050	< 0.010	0.047	< 0.040	< 0.10	< 10	< 10	25	< 10	---	---	---
MDZ-NW6-2.0-3.0	7-Mar-2015	2.0 - 3.0	LTDL	Fine-grained	< 0.0050	< 0.010	< 0.020	< 0.040	< 0.10	< 10	< 10	< 10	< 10	---	---	---
MDZ-NW7-0.3-0.8	5-Mar-2015	0.3 - 0.8	LTDL	Fine-grained	< 0.0050	< 0.010	0.056	< 0.040	< 0.10	< 10	< 10	< 10	< 10	---	---	---
MDZ-SW1-0.3-0.8	4-Mar-2015	0.3 - 0.8	LTDL	Fine-grained	< 0.0050	< 0.010	0.027	< 0.040	< 0.10	< 10	< 10	32	26	---	---	---
MDZ-SW2-0.3-0.8	4-Mar-2015	0.3 - 0.8	LTDL	Fine-grained	---	---	---	---	---	---	< 10	< 10	< 10	---	---	---
MDZ-SW3-2.0-3.0	4-Mar-2015	2.0 - 3.0	LTDL	Fine-grained	< 0.0050	< 0.010	< 0.020	< 0.040	< 0.10	< 10	< 10	20	< 10	---	---	---
MDZ-SW4-0.3-0.8	4-Mar-2015	0.3 - 0.8	LTDL	Fine-grained	< 0.0050	< 0.010	0.023	< 0.040	< 0.10	< 10	< 10	20	14	---	---	---
MDZ-SW4-2.0-3.0	4-Mar-2015	2.0 - 3.0	LTDL	Fine-grained	< 0.0050	< 0.010	< 0.020	< 0.040	< 0.10	< 10	< 10	12	11	---	---	---
MDZ-SW5-1.0-2.0	4-Mar-2015	1.0 - 2.0	LTDL	Fine-grained	< 0.0050	< 0.010	< 0.020	< 0.040	< 0.10	< 10	< 10	< 10	< 10	---	---	---
Main Debris Zone - 2015 Backfill Samples																
TP15-8-1-2	9-Feb-2015	1.0 - 2.0	LTDL	Fine-grained	< 0.0050	< 0.010	< 0.020	< 0.040	< 0.10	< 10	< 10	< 10	< 10	---	---	---
TP15-8-2-3	9-Feb-2015	2.0 - 3.0	LTDL	Fine-grained	< 0.0050	< 0.010	< 0.020	< 0.040	< 0.10	< 10	< 10	< 10	10	---	---	---
TP15-9-1-2	9-Feb-2015	1.0 - 2.0	LTDL	Fine-grained	< 0.0050	< 0.010	< 0.020	< 0.040	< 0.10	< 10	< 10	20	< 10	---	---	---
Main Debris Zone - 2016 Test Pit Samples																
TP16-7F	28-Jun-2016	---	---	---	< 0.015	< 0.030	< 0.060	< 0.040	---	---	---	---	---	<21	< 100	< 100
TP16-8F	28-Jun-2016	---	---	---	< 0.015	< 0.030	< 0.060	< 0.040	---	---	---	---	---	<21	< 100	< 100
TP16-10F	28-Jun-2016	---	---	---	< 0.015	< 0.030	< 0.060	< 0.040	---	---	---	---	---	<21	< 100	< 100
TP16-12F	28-Jun-2016	---	---	---	< 0.015	< 0.030	< 0.060	< 0.040	---	---	---	---	---	<21	< 100	< 100
TP16-15F	28-Jun-2016	---	---	---	< 0.015	< 0.030	< 0.060	< 0.040	---	---	---	---	---	<21	< 100	< 100
TP16-16F	28-Jun-2016	---	---	---	< 0.015	< 0.030	< 0.060	< 0.040	---	---	---	---	---	<21	< 100	< 100
TP16-18F	28-Jun-2016	---	---	---	< 0.015	< 0.030	< 0.060	< 0.040	< 0.30	---	---	---	---	< 21	< 100	< 100
DUP16-2 (BFD of TP16-18F)	28-Jun-2016	---	---	---	< 0.015	< 0.030	< 0.060	< 0.040	< 0.30	---	---	---	---	< 21	< 100	< 100
TP16-20F	29-Jun-2016	---	---	---	< 0.015	< 0.030	< 0.060	< 0.040	< 0.30	---	---	---	---	< 21	< 100	< 100
CSR NL					0.04	1	1.5	5	ns	200*	1000*	1000*	ns	200	1000	1000

Notes:
m - metres
mg/kg - milligrams per kilogram
HSVL (ppmv) - headspace vapour level (parts per million by volume)
< - less than analytical detection limit indicated
'---' - sample not analyzed for parameter indicated
LTDL - less than the detection limit of the instrument
MTBE - methyl tert-butyl ether
VPHs - volatile petroleum hydrocarbons (C6-10), excluding benzene, ethylbenzene, toluene, xylenes
LEPHs - light extractable petroleum hydrocarbons (C10-19), excluding specific polycyclic aromatic hydrocarbon parameters
HEPHs - heavy extractable petroleum hydrocarbons (C19-32), excluding specific polycyclic aromatic hydrocarbon parameters
* - samples submitted for analysis of CWS PHC F1-F4 fractions but have been compared to CSR standards for similar hydrocarbon ranges for evaluation purposes
ns - no standard listed
Exceeds CSR NL: BC Contaminated Sites Regulation, Schedule 7, Standards Triggering Contaminated Soil Relocation Agreements, Soil Relocation to Nonagricultural Land

TABLE 2: SOIL CHEMISTRY RESULTS (IMPACTED SOIL TO BE EXCAVATED) - PAH PARAMETERS (mg/kg)

Sample ID	Date	Depth (m)	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene
Main Debris Zone - 2015 Limit Samples																			
MDZ-EW1-3.0-4.0	4-Mar-2015	3.0 - 4.0	< 0.0050	< 0.0050	< 0.0040	< 0.020	< 0.020	< 0.020	< 0.050	< 0.020	< 0.020	< 0.050	< 0.020	< 0.020	< 0.050	< 0.020	< 0.010	< 0.020	< 0.020
MDZ-EW2-1.0-2.0	4-Mar-2015	1.0 - 2.0	< 0.0050	< 0.0050	< 0.0040	< 0.020	< 0.020	< 0.020	< 0.050	< 0.020	< 0.020	< 0.050	< 0.020	< 0.020	< 0.050	< 0.020	< 0.010	< 0.020	< 0.020
MDZ-NWA-1-2	8-Feb-2015	1.0 - 2.0	< 0.0050	< 0.0050	< 0.0040	< 0.020	< 0.020	< 0.020	< 0.050	< 0.020	< 0.020	< 0.050	< 0.020	< 0.020	< 0.050	< 0.020	< 0.010	< 0.020	< 0.020
MDZ-NWA-B2-7.0	5-Mar-2015	7.0	< 0.0050	< 0.0050	< 0.0040	< 0.020	< 0.020	< 0.020	< 0.050	< 0.020	< 0.020	< 0.050	< 0.020	< 0.020	< 0.050	< 0.020	< 0.010	< 0.020	< 0.020
MDZ-DUP-D (BFD of MDZ-NWA-B2-7.0)	5-Mar-2015	7.0	< 0.0050	< 0.0050	0.011	0.021	< 0.020	< 0.020	< 0.050	< 0.020	0.024	< 0.050	0.052	< 0.020	< 0.050	< 0.020	< 0.010	0.049	0.053
MDZ-NW1-0.3-0.8	5-Mar-2015	0.3 - 0.8	< 0.0050	< 0.0050	< 0.0040	< 0.020	< 0.020	< 0.020	< 0.050	< 0.020	< 0.020	< 0.050	< 0.020	< 0.020	< 0.050	< 0.020	< 0.010	< 0.020	< 0.020
MDZ-NW1-5.5-6.5	5-Mar-2015	5.5 - 6.5	< 0.0050	< 0.0050	< 0.0040	< 0.020	< 0.020	< 0.020	< 0.050	< 0.020	< 0.020	< 0.050	< 0.020	< 0.020	< 0.050	< 0.020	< 0.010	< 0.020	< 0.020
MDZ-NW1-B1-8.0	5-Mar-2015	8.0	< 0.0050	< 0.0050	< 0.0040	< 0.020	< 0.020	< 0.020	< 0.050	< 0.020	< 0.020	< 0.050	< 0.020	< 0.020	< 0.050	< 0.020	< 0.010	< 0.020	< 0.020
MDZ-NW2-0.3-0.8	5-Mar-2015	0.3 - 0.8	< 0.0050	< 0.0050	< 0.0040	< 0.020	< 0.020	< 0.020	< 0.050	< 0.020	< 0.020	< 0.050	< 0.020	< 0.020	< 0.050	< 0.020	< 0.010	< 0.020	< 0.020
MDZ-NW2-4.0-5.0	5-Mar-2015	4.0 - 5.0	< 0.0050	< 0.0050	< 0.0040	< 0.020	< 0.020	< 0.020	< 0.050	< 0.020	< 0.020	< 0.050	< 0.020	< 0.020	< 0.050	< 0.020	< 0.010	< 0.020	< 0.020
MDZ-NW3-0.3-0.8	5-Mar-2015	0.3 - 0.8	< 0.0050	< 0.0050	< 0.0040	< 0.020	< 0.020	< 0.020	< 0.050	< 0.020	< 0.020	< 0.050	< 0.020	< 0.020	< 0.050	< 0.020	< 0.010	< 0.020	< 0.020
MDZ-NW4-0.3-0.8	5-Mar-2015	0.3 - 0.8	< 0.0050	< 0.0050	< 0.0040	< 0.020	< 0.020	< 0.020	< 0.050	< 0.020	< 0.020	< 0.050	< 0.020	< 0.020	< 0.050	< 0.020	< 0.010	< 0.020	< 0.020
MDZ-DUP-E (BFD of MDZ-NW4-0.3-0.8)	5-Mar-2015	0.3 - 0.8	< 0.0050	< 0.0050	< 0.0040	< 0.020	< 0.020	< 0.020	< 0.050	< 0.020	< 0.020	< 0.050	< 0.020	< 0.020	< 0.050	< 0.020	< 0.010	< 0.020	< 0.020
MDZ-NW4-B5-5.0	5-Mar-2015	5.0	< 0.0050	< 0.0050	< 0.0040	< 0.020	< 0.020	< 0.020	< 0.050	< 0.020	< 0.020	< 0.050	< 0.020	< 0.020	< 0.050	< 0.020	< 0.010	< 0.020	< 0.020
MDZ-NW5-0.3-0.8	5-Mar-2015	0.3 - 0.8	< 0.0050	< 0.0050	< 0.0040	< 0.020	< 0.020	< 0.020	< 0.050	< 0.020	< 0.020	< 0.050	< 0.020	< 0.020	< 0.050	< 0.020	< 0.010	< 0.020	< 0.020
MDZ-NW5-B6-3.0	5-Mar-2015	3.0	0.0098	< 0.0050	0.020	0.058	0.060	0.036	< 0.050	< 0.020	0.066	< 0.050	0.078	< 0.020	< 0.050	< 0.020	< 0.010	0.079	0.089
MDZ-NW6-2.0-3.0	7-Mar-2015	2.0 - 3.0	< 0.0050	< 0.0050	< 0.0040	< 0.020	< 0.020	< 0.020	< 0.050	< 0.020	< 0.020	< 0.050	< 0.020	< 0.020	< 0.050	< 0.020	< 0.010	< 0.020	< 0.020
MDZ-NW7-0.3-0.8	5-Mar-2015	0.3 - 0.8	< 0.0050	< 0.0050	< 0.0040	< 0.020	< 0.020	< 0.020	< 0.050	< 0.020	< 0.020	< 0.050	< 0.020	< 0.020	< 0.050	< 0.020	< 0.010	< 0.020	< 0.020
MDZ-SW1-0.3-0.8	4-Mar-2015	0.3 - 0.8	< 0.0050	< 0.0050	< 0.0040	< 0.020	< 0.020	< 0.020	< 0.050	< 0.020	< 0.020	< 0.050	< 0.020	< 0.020	< 0.050	< 0.020	< 0.010	< 0.020	< 0.020
MDZ-SW2-0.3-0.8	4-Mar-2015	0.3 - 0.8	< 0.0050	< 0.0050	< 0.0040	< 0.020	< 0.020	< 0.020	< 0.050	< 0.020	< 0.020	< 0.050	< 0.020	< 0.020	< 0.050	< 0.020	< 0.010	< 0.020	< 0.020
MDZ-SW3-2.0-3.0	4-Mar-2015	2.0 - 3.0	< 0.0050	< 0.0050	< 0.0040	< 0.020	< 0.020	< 0.020	< 0.050	< 0.020	< 0.020	< 0.050	< 0.020	< 0.020	< 0.050	< 0.020	< 0.010	< 0.020	< 0.020
MDZ-SW4-0.3-0.8	4-Mar-2015	0.3 - 0.8	< 0.0050	< 0.0050	< 0.0040	< 0.020	< 0.020	< 0.020	< 0.050	< 0.020	< 0.020	< 0.050	< 0.020	< 0.020	< 0.050	< 0.020	< 0.010	< 0.020	< 0.020
MDZ-SW4-2.0-3.0	4-Mar-2015	2.0 - 3.0	< 0.0050	< 0.0050	< 0.0040	< 0.020	< 0.020	< 0.020	< 0.050	< 0.020	< 0.020	< 0.050	< 0.020	< 0.020	< 0.050	< 0.020	< 0.010	< 0.020	< 0.020
MDZ-SW5-1.0-2.0	4-Mar-2015	1.0 - 2.0	< 0.0050	< 0.0050	< 0.0040	< 0.020	< 0.020	< 0.020	< 0.050	< 0.020	< 0.020	< 0.050	< 0.020	< 0.020	< 0.050	< 0.020	< 0.010	< 0.020	< 0.020
Main Debris Zone - 2015 Backfill Samples																			
TP15-8-1-2	9-Feb-2015	1.0 - 2.0	< 0.0050	< 0.0050	< 0.0040	< 0.020	< 0.020	< 0.020	< 0.050	< 0.020	< 0.020	< 0.050	< 0.020	< 0.020	< 0.050	< 0.020	< 0.010	< 0.020	< 0.020
TP15-8-2-3	9-Feb-2015	2.0 - 3.0	< 0.0050	< 0.0050	< 0.0040	< 0.020	< 0.020	< 0.020	< 0.050	< 0.020	< 0.020	< 0.050	< 0.020	< 0.020	< 0.050	< 0.020	< 0.010	< 0.020	< 0.020
TP15-9-1-2	9-Feb-2015	1.0 - 2.0	< 0.0050	< 0.0050	< 0.0040	< 0.020	< 0.020	< 0.020	< 0.050	< 0.020	< 0.020	< 0.050	< 0.020	< 0.020	< 0.050	< 0.020	< 0.010	< 0.020	< 0.020
Main Debris Zone - 2016 Test Pit Samples																			
TP16-7F	28-Jun-2016	---	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.01	< 0.020	< 0.010	< 0.010	< 0.020	< 0.010	< 0.010	< 0.020	< 0.010	< 0.010	< 0.010	< 0.010
TP16-8F	28-Jun-2016	---	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.013	< 0.020	< 0.010	< 0.010	< 0.020	< 0.010	< 0.010	< 0.020	< 0.010	< 0.010	< 0.010	< 0.010
TP16-10F	28-Jun-2016	---	< 0.010	< 0.010	< 0.010	0.012	< 0.010	0.013	< 0.020	< 0.010	0.014	< 0.020	0.021	< 0.010	< 0.020	< 0.010	< 0.010	0.026	0.021
TP16-12F	28-Jun-2016	---	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.01	< 0.020	< 0.010	< 0.010	< 0.020	< 0.010	< 0.010	< 0.020	< 0.010	< 0.010	< 0.010	< 0.010
TP16-15F	28-Jun-2016	---	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.01	< 0.020	< 0.010	< 0.010	< 0.020	< 0.010	< 0.010	< 0.020	< 0.010	< 0.010	< 0.010	< 0.010
TP16-16F	28-Jun-2016	---	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.01	< 0.020	< 0.010	< 0.010	< 0.020	< 0.010	< 0.010	< 0.020	< 0.010	< 0.010	< 0.010	< 0.010
TP16-18F	28-Jun-2016	---	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.01	< 0.020	< 0.010	< 0.010	< 0.020	< 0.010	< 0.010	< 0.020	< 0.010	< 0.010	< 0.010	< 0.010
DUP16-2 (BFD of TP16-18F)	28-Jun-2016	---	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.01	< 0.020	< 0.010	< 0.010	< 0.020	< 0.010	< 0.010	< 0.020	< 0.010	< 0.010	< 0.010	< 0.010
TP16-20F	29-Jun-2016	---	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.01	< 0.020	< 0.010	< 0.010	< 0.020	< 0.010	< 0.010	< 0.020	< 0.010	< 0.010	< 0.010	< 0.010
CSR NL			ns	ns	ns	1	1	1	ns	1	ns	1	ns	ns	1	ns	5	5	10

Notes:
m - metres
PAH - polycyclic aromatic hydrocarbons
mg/kg - milligrams per dry kilogram
< - less than analytical detection limit indicated
BFD - blind field duplicate
'---' - sample not analyzed for parameter indicated
ns - no standard/guideline listed
Exceeds CSR NL: BC Contaminated Sites Regulation, Schedule 7, Standards Triggering Contaminated Soil Relocation Agreements, Soil Relocation to Nonagricultural Land

TABLE 3: SOIL CHEMISTRY RESULTS (IMPACTED SOIL TO BE EXCAVATED) - METALS PARAMETERS (mg/kg)

Sample ID	Date	Depth (m)	pH	Aluminum	Antimony	Arsenic	Barium	Beryllium	Bismuth	Cadmium	Chromium (Total)	Cobalt	Copper	Iron	Lead	Lithium	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Selenium	Silver	Strontium	Thallium	Tin	Titanium	Uranium	Vanadium	Zinc
Main Debris Zone - 2015 Limit Samples																														
MDZ-EW1-0.3-0.8	4-Mar-2015	0.3 - 0.8	8.60	8460	0.53	5.40	94.7	< 0.40	0.12	0.255	23.7	8.49	16.5	21300	72.0	19.1	17500	450	< 0.050	0.54	20.0	< 0.50	< 0.050	187	< 0.050	2.52	65.5	0.538	10.1	71.5
MDZ-EW1-1.0-2.0	4-Mar-2015	1.0 - 2.0	8.47	8360	0.54	6.19	109	< 0.40	0.13	0.306	16.6	8.49	20.2	25000	25.0	18.4	18700	464	0.050	0.64	21.2	< 0.50	0.053	190	< 0.050	11.1	61.0	0.548	9.5	95.4
MDZ-EW1-2.0-3.0	4-Mar-2015	2.0 - 3.0	8.63	7410	3.12	6.26	112	< 0.40	0.14	0.282	16.3	8.34	24.5	24700	**333**	17.5	19600	459	0.050	0.55	20.8	< 0.50	4.97	183	0.057	3.32	66.3	0.514	9.6	127
MDZ-EW1-3.0-4.0	4-Mar-2015	3.0 - 4.0	8.55	7800	0.45	5.39	107	< 0.40	0.11	0.269	14.7	8.19	17.3	21900	24.8	18.1	16700	456	< 0.050	0.58	19.8	< 0.50	0.077	180	< 0.050	1.82	55.0	0.537	9.7	82.2
MDZ-EW1-4.0-5.0	4-Mar-2015	4.0 - 5.0	8.64	7830	0.44	5.92	102	< 0.40	0.12	0.205	15.8	8.64	16.3	19500	16.9	19.2	20100	447	< 0.050	0.45	19.8	< 0.50	0.077	210	< 0.050	2.83	63.0	0.584	9.5	64.8
MDZ-EW1-5.0	4-Mar-2015	5.0	9.09	6430	0.32	5.55	97.6	< 0.40	< 0.10	0.067	13.4	7.46	14.2	16900	8.23	15.7	19700	405	< 0.050	0.31	18.1	< 0.50	< 0.050	186	< 0.050	0.13	49.7	0.570	8.4	35.4
MDZ-EW2-0.3-0.8	4-Mar-2015	0.3 - 0.8	8.52	8270	0.51	7.07	112	< 0.40	0.12	0.334	19.0	10.1	22.4	22600	22.7	20.3	23400	535	0.075	0.51	23.2	< 0.50	0.059	208	< 0.050	1.60	70.4	0.569	11.4	115
MDZ-EW2-1.0-2.0	4-Mar-2015	1.0 - 2.0	8.22	8060	0.27	5.04	79.3	< 0.40	0.11	0.108	14.1	7.70	14.3	19600	9.77	17.6	15600	438	< 0.050	0.32	18.3	< 0.50	< 0.050	154	< 0.050	0.15	57.5	0.396	10.0	38.9
MDZ-EW2-2.0	4-Mar-2015	2.0	8.93	7540	0.31	6.04	95.7	< 0.40	0.11	0.073	15.2	8.72	14.8	18900	9.36	18.3	19000	432	< 0.050	0.37	19.6	< 0.50	< 0.050	202	< 0.050	0.13	52.9	0.484	9.2	38.8
MDZ-NWA-0.3-0.8	8-Feb-2015	0.3 - 0.8	9.35	7380	0.37	5.60	102	< 0.40	0.12	0.121	12.6	7.46	14.7	19100	9.72	15.7	17000	406	< 0.050	0.35	16.6	< 0.50	< 0.050	167	< 0.050	0.17	68.6	0.493	9.0	38.5
MDZ-NWA-1-2	8-Feb-2015	1.0 - 2.0	8.78	7140	0.35	5.33	103	< 0.40	0.11	0.276	12.1	6.89	14.1	18300	10.9	15.8	16700	397	< 0.050	0.40	16.6	< 0.50	< 0.050	162	< 0.050	0.33	64.3	0.454	8.3	40.9
MDZ-NWA-2-3	8-Feb-2015	2.0 - 3.0	8.89	7220	0.35	5.34	104	< 0.40	0.10	0.152	12.4	6.89	14.0	18000	10.2	15.5	16100	384	< 0.050	0.37	16.4	< 0.50	< 0.050	165	< 0.050	0.31	68.3	0.493	8.5	42.8
MDZ-NWA-3-4	8-Feb-2015	3.0 - 4.0	8.85	7400	0.36	5.60	102	< 0.40	0.11	0.172	12.5	7.19	14.8	18500	10.7	15.9	16200	396	< 0.050	0.37	16.4	< 0.50	< 0.050	163	< 0.050	1.38	72.8	0.439	9.1	42.5
MDZ-NWA-4-5	8-Feb-2015	4.0 - 5.0	8.43	8660	0.85	6.18	146	< 0.40	0.16	1.00	17.6	8.17	24.9	25100	74.0	18.8	16300	469	< 0.050	0.96	21.0	< 0.50	0.071	179	< 0.050	7.05	77.7	0.566	10.1	**237**
MDZ-NWA-B2-7.0	5-Mar-2015	7.0	8.59	8280	0.64	4.96	99.9	< 0.40	0.13	0.431	15.5	7.92	24.9	20700	26.5	18.7	16600	437	< 0.050	0.65	20.7	< 0.50	< 0.050	188	< 0.050	4.23	79.2	0.580	9.4	122
MDZ-DUP-D (BFD of MDZ-NWA-B2-7.0)	5-Mar-2015	7.0	8.57	7580	0.52	5.07	97.2	< 0.40	0.11	0.454	15.1	7.92	23.7	21700	24.8	18.4	15600	430	< 0.050	0.96	20.5	< 0.50	0.060	190	< 0.050	3.72	67.7	0.543	10.3	120
MDZ-NW1-0.3-0.8	5-Mar-2015	0.3 - 0.8	9.00	7050	0.29	4.51	99.3	< 0.40	0.10	0.113	11.5	6.79	13.3	16800	8.68	15.1	16400	383	< 0.050	0.48	16.2	< 0.50	< 0.050	162	< 0.050	0.26	65.7	0.470	8.7	36.0
MDZ-NW1-4.0-5.0	5-Mar-2015	4.0 - 5.0	8.85	8090	0.44	5.67	118	< 0.40	0.43	0.201	16.4	8.18	15.7	19900	18.0	18.8	20000	415	0.065	0.43	20.5	< 0.50	< 0.050	187	< 0.050	1.17	80.2	0.538	10.0	76.0
MDZ-NW1-5.5-6.5	5-Mar-2015	5.5 - 6.5	8.99	8770	0.33	5.62	82.6	< 0.40	0.11	0.102	15.8	8.90	14.4	21100	9.00	21.2	20000	453	< 0.050	0.50	20.5	< 0.50	< 0.050	233	< 0.050	< 0.10	90.6	0.696	11.4	39.8
MDZ-NW1-B1-8.0	5-Mar-2015	8.0	8.58	8110	0.92	5.70	98.1	< 0.40	0.12	0.447	15.4	7.83	21.1	22600	22.9	18.6	16300	418	< 0.050	0.73	20.6	< 0.50	< 0.050	184	< 0.050	3.96	73.0	0.543	9.9	**198**
MDZ-NW2-0.3-0.8	5-Mar-2015	0.3 - 0.8	9.09	6840	0.47	5.09	99.7	< 0.40	0.11	0.167	11.4	6.71	14.0	16900	12.5	16.0	16300	355	< 0.050	0.53	16.5	< 0.50	< 0.050	160	< 0.050	0.29	61.9	0.537	9.7	41.1
MDZ-NW2-4.0-5.0	5-Mar-2015	4.0 - 5.0	8.57	8800	0.59	5.40	108	< 0.40	0.14	0.544	17.6	8.55	23.3	23500	43.6	20.2	17500	473	< 0.050	0.92	22.8	< 0.50	0.104	204	< 0.050	6.50	83.3	0.582	10.7	139
MDZ-NW2-B3-6.5	5-Mar-2015	6.5	8.50	8090	0.77	6.38	116	< 0.40	0.13	1.39	18.0	9.02	24.2	25900	38.3	19.6	18700	471	0.055	0.71	31.7	< 0.50	0.082	190	< 0.050	7.43	75.7	0.563	10.5	**180**
MDZ-NW3-0.3-0.8	5-Mar-2015	0.3 - 0.8	8.64	7540	0.96	5.18	139	< 0.40	0.12	0.455	14.3	7.95	17.9	18900	34.6	17.2	16400	431	< 0.050	0.58	18.7	< 0.50	0.081	175	< 0.050	3.14	81.0	0.493	10.1	117
MDZ-NW3-4.0-5.0	5-Mar-2015	4.0 - 5.0	9.21	7280	0.39	5.83	111	< 0.40	0.11	0.129	13.4	7.46	14.9	16500	9.90	15.4	19600	375	< 0.050	0.40	17.2	< 0.50	< 0.050	165	< 0.050	0.26	75.5	0.533	9.3	54.4
MDZ-NW3-B4-6.0	5-Mar-2015	6.0	8.49	7920	0.95	5.63	126	< 0.40	0.12	1.34	15.3	7.88	25.2	22800	31.4	17.7	15700	455	< 0.050	0.97	21.2	< 0.50	0.090	168	< 0.050	6.08	76.8	0.524	9.9	**187**
MDZ-NW4-0.3-0.8	5-Mar-2015	0.3 - 0.8	8.99	7210	0.35	4.95	110	< 0.40	0.11	0.166	12.7	7.35	15.0	17600	11.3	16.4	14900	408	< 0.050	0.49	17.5	< 0.50	< 0.050	153	< 0.050	0.17	69.9	0.473	9.9	44.7
MDZ-DUP-E (BFD of MDZ-NW4-0.3-0.8)	5-Mar-2015	0.3 - 0.8	8.89	6260	0.35	4.62	101	< 0.40	0.10	0.152	11.4	6.74	13.8	16000	10.9	14.5	13500	378	< 0.050	0.50	16.0	< 0.50	< 0.050	145	< 0.050	0.17	57.3	0.442	9.0	41.1
MDZ-NW4-2.0-3.0	5-Mar-2015	2.0 - 3.0	8.56	8440	0.62	6.27	113	< 0.40	0.13	0.390	17.7	9.38	19.3	21100	32.0	18.9	19600	471	< 0.050	0.55	21.0	< 0.50	< 0.050	200	< 0.050	5.25	90.4	0.555	10.8	100
MDZ-NW4-B5-5.0	5-Mar-2015	5.0	8.64	8070	0.71	5.42	108	< 0.40	0.12	0.370	16.2	8.27	20.7	24000	23.1	18.9	16700	457	< 0.050	1.00	21.9	< 0.50	0.062	194	< 0.050	5.09	71.5	0.566	10.0	100
MDZ-NW5-0.3-0.8	5-Mar-2015	0.3 - 0.8	8.72	6370	0.70	6.73	115	< 0.40	0.10	0.331	12.7	7.47	19.3	23000	22.4	14.6	14700	410	< 0.050	0.79	18.5	< 0.50	< 0.050	159	< 0.050	24.4	56.5	0.475	8.5	107
MDZ-NW5-1.0-2.0	5-Mar-2015	1.0 - 2.0	9.16	7640	0.34	5.23	99.5	< 0.40	0.11	0.115	15.1	7.90	29.5	21500	11.3	18.2	18900	405	< 0.050	0.42	18.3	< 0.50	< 0.050	192	< 0.050	0.59	77.9	0.569	9.4	46.0
MDZ-NW5-B6-3.0	5-Mar-2015	3.0	8.53	8270	0.72	5.25	111	< 0.40	0.13	0.456	15.4	8.06	64.3	20200	29.0	19.0	16000	461	0.059	0.69	21.2	< 0.50	0.057	198	< 0.050	4.55	74.4	0.581	10.6	138
MDZ-NW6-0.3-0.8	7-Mar-2015	0.3 - 0.8	8.43	7000	0.30	4.97	87.2	< 0.40	0.12	0.103	12.6	7.40	14.2	17500	8.48	16.8	14900	387	< 0.050	0.40	17.1	< 0.50	< 0.050	159	< 0.050	0.20	56.2	0.435	9.6	36.5
MDZ-NW6-2.0-3.0	7-Mar-2015	2.0 - 3.0	8.97	6770	0.36	4.62	89.5	< 0.40	0.11	0.166	13.1	7.06	14.2	17800	11.1	16.5	16500	388	< 0.050	0.53	17.8	< 0.50	< 0.050	198	< 0.050	1.44	65.4	0.569	8.9	57.5
MDZ-NW6-B7-5.0	7-Mar-2015	5.0	8.75	8030	0.40	5.47	99.6	< 0.40	0.12	0.178	15.4	8.14	37.9	19400	13.7	17.3	19400	412	< 0.050	0.40	19.3	< 0.50	< 0.050	187	< 0.050	0.83	80.8	0.560	9.7	**1360**
MDZ-DUP-F (BFD of MDZ-NW6-B7-5.0)	7-Mar-2015	5.0	8.71	8090	0.44	5.52	108	< 0.40	0.12	0.180	15.3	7.99	19.5	21000	14.3	18.5	19400	410	0.051	0.44	18.9	< 0.50	< 0.050	196	< 0.050	1.34	69.4	0.571	9.7	68.2
MDZ-NW7-0.3-0.8	5-Mar-2015	0.3 - 0.8	9.02	6850	0.35	5.14	105	< 0.40	0.10	0.136	11.6	7.02	14.0	16400	8.36	15.3	16200	368	< 0.050	0.51	16.7	< 0.50	< 0.050	170	< 0.050	0.14	74.8	0.512	9.3	36.0
MDZ-SW1-0.3-0.8	4-Mar-2015	0.3 - 0.8	8.58	8790	0.46	5.28	109	< 0.40	0.12	0.277	15.9	8.32	18.6	21800	18.9	19.6	18300	453	< 0.050	0.50	20.8	< 0.50	0.055	207	< 0.050	1.95	74.5	0.668	10.0	83.9
MDZ-SW2-0.3-0.8	4-Mar-2015	0.3 - 0.8	8.89	8070	1.15	4.99	95.2	< 0.40	0.11	0.209	14.5	7.80	16.5	20900	75.5	18.1	17200	427	< 0.050	0.49	19.8	< 0.50	0.052	207	< 0.050	6.79	71.4	0.604	10.3	68.7
MDZ-SW2-1.0-2.0	4-Mar-2015	1.0 - 2.0	9.16	8310	0.32	5.60	84.4	< 0.40	0.12	0.061	15.6	8.52	14.1	22200	9.57	19.7	20400	431	< 0.050	0.47	19.7	< 0.50	< 0.050	215	< 0.050	0.12	61.9	0.668	9.4	37.6
MDZ-DUP-B (BFD of MDZ-SW2-1.0-2.0)	4-Mar-2015	1.0 - 2.0	9.06	8060	0.31	5.76	85.3	< 0.40	0.11	0.059	16.5	8.73	14.5	20500	9.17	20.6	20200	442	< 0.050	0.43	20.8	< 0.50	< 0.050	213	< 0.050	0.12	65.7	0.657	9.6	39.3
MDZ-SW3-0.3-0.8	4-Mar-2015	0.3 - 0.8	8.64	8410	0.38	4.88	93.8	< 0.40	0.11	0.157	15.2	8.24	15.4	21200	11.6	20.2	18000	437	< 0.050	0.42	19.9	< 0.50	< 0.050	212	< 0.050	0.23	76.3	0.649	10.3	49.3
MDZ-SW3-1.0-2.0	4-Mar-2015	1.0 - 2.0	8.81	7470	0.49	5.89	105	< 0.40	0.11	0.311	15.3	8.67	17.3	21100	18.2	17.9	20300	447	< 0.050	0.47	21.4	< 0.50	< 0.050	200	< 0.050	1.96	64.6	0.516	9.3	95.3
MDZ-SW3-2.0-3.0	4-Mar-2015	2.0 - 3.0	8.43	9050	0.76	5.61	108	< 0.40	0.13	0.555	16.9	8.76	20.7	24500	21.9	21.7	17000	489	< 0.050	0.63	22.9	< 0.50	< 0.050	201	< 0.050	2.13	74.1	0.586	10.5	109
MDZ-SW4-0.3-0.8	4-Mar-2015	0.3 - 0.8	8.60	8210	0.53	5.46	107	< 0.40	0.13	0.490	15.1	8.22	18.4	22600	25.5	18.4	16800	467	< 0.050	0.52	20.9	< 0.50	< 0.050	201	< 0.050	9.76	67.1	0.553	10.1	88.4
MDZ-SW4-1.0-2.0	4-Mar-2015	1.0 - 2.0	8.63	8170	0.47	6.39	102	< 0.40	0.13	0.189	17.1	9.13	17.5	24400	16.8	19.1	21200	479	< 0.050	0.43	21.3	< 0.50	< 0.050	202	< 0.050	1.01	74.8	0.547	10.8	73.6
MDZ-SW4-2.0-3.0	4-Mar-2015	2.0 - 3.0	8.01	6930	0.34	5.55	109	< 0.40	0.14	0.266	11.6	8.54	18.0	19000	12.7	14.6	13500	552	< 0.050	0.40	17.7	< 0.50	< 0.050	136	< 0.050	0.21	49.7	0.369	8.5	44.8
MDZ-DUP-C (BFD of MDZ-SW4-2.0-3.0)	4-Mar-2015	2.0 - 3.0	7.99	6740	0.31	5.70	106	< 0.40	0.13	0.206	11.3	8.30	17.5	18700	12.6	14.0	13100	538	< 0.050	0.37	17.1	< 0.50	0.050	132	< 0.050	0.19	46.8	0.373	8.3	45.0
MDZ-SW5-0.3-0.8	4-Mar-2015	0.3 - 0.8	9.05	7260	0.35	5.54	93.7	< 0.40	< 0.10	0.101	14.8	8.04	14.2	19000	10.5	17.5	19500	415	< 0.050	0.34	19.0	< 0.50	< 0.050	201	< 0.050	0.34	64.8	0.484	8.9	42.3
MDZ-SW5-1.0-2.0	4-Mar-2015	1.0 - 2.0	8.96	8010	0.41	5.68	114	< 0.40	0.14	0.214	14.1	8.30	17.2	20900	22.0	17.5	13600	534	< 0.050	0.49	19.6	< 0.50	< 0.050	128	< 0.050	1.23	61.3	0.410	9.9	57.0
MDZ-SW5-2.0-3.0	4-Mar-2015	2.0 - 3.0	8.93	7830	0.36	5.62	102	< 0.40	0.10	0.117	16.6	9.40	15.2	21000	11.2	20.1	21600	458	< 0.050	0.42	20.9	< 0.50	< 0.050	213	< 0.050	2.03	64.7	0.786	9.7	50.6
Main Debris Zone - 2015 Backfill Samples																														
TP15-8-0.3-0.8	9-Feb-2015	0.3 - 0.8	8.78	8090	0.51	5.98	95.0	< 0.40	0.12	0.223	15.5	7.80	15.7	21500	16.0	19.6	16500	409	< 0.050	0.44	19.5	< 0.50	< 0.050	194	< 0.050	1.37	66.4	0.553	9.6	65.2
TP15-8-1-2	9-Feb-2015	1.0 - 2.0	8.89	7370	0.30	5.56	88.3	< 0.40	< 0.10	0.126	13.8	7.21	13.6	20800	7.91	18.3	18000	400	< 0.050	0.38	18.1	< 0.50	< 0.050	191	< 0.050	< 0.10	79.1	0.666	9.0	39.9
TP15-8-2-3	9-Feb-2015	2.0 - 3.0	8.64	8080	0.37	5.87	90.9	< 0.40	0.10	0.222	15.0	7.68	15.5	21500	14.6	19.9	17800	416	< 0.050	0.47	19.4	< 0.50	< 0.050	203	< 0.050	1.56	66.9	0.628	9.5	64.7
TP15-9-0.3-0.8	9-Feb-2015	0.3 - 0.8	9.18	7250	0.30	5.65	87.8	< 0.40	< 0.10	0.114	13.4	7.14	13.9	19400	8.40	18.4	17700	394	< 0.050	0.37	17.3	< 0.50	< 0.050	205	< 0.050	< 0.10	68.2	0.690	8.7	40.3
TP15-9-1-2	9-Feb-2015	1.0 - 2.0	8.33	7310	0.47	6.06	116	< 0.40	0.11	0.351	13.6	7.37	16.9	20500	21.4	16.1	16300	410	< 0.050	0.52	18.1	< 0.50	< 0.050	159	< 0.050	5.27	63.6	0.475	9.2	85.0
TP15-9-2-3	9-Feb-2015	2.0 - 3.0	8.43	7880	0.59	5.77	97.8	< 0.40	0.13	0.209	14.8	7.49	14.8	22300	11.8	19.4	17300	396	< 0.050	0.47	18.9	< 0.50	< 0.050	183	< 0.050	0.75	68.1	0.581	9.3	61.2
Main Debris Zone - 2016 Test Pit Samples																														
TP16-7F	28-Jun-2016	---	8.14	---	< 0.50	5.8	100	< 0.40	---	0.12	13	7.4	15	---	12	---	---	---	< 0.050	< 0.40	17	< 0.50	< 0.20	---	< 0.10	1.1	---	0.41	9.6	45
TP16-8F	28-Jun-2016	---	8.23	---	0.63	6.3	120	< 0.40	---	0.51	17	7.8	20	---	47	---	---	---	< 0.050	0.69	20	< 0.50	< 0.20	---	< 0.10	7.3	---	0.50	9.7	110
TP16-10F	28-Jun-2016	---	7.98	---	1.7	11	210	< 0.40	---	**2.7**	33	11	46	---	96	---	---	---	< 0.050	2.1	33	< 0.50	< 0.20	---	< 0.10	18	---	0.49	13	**640**
TP16-12F	28-Jun-2016	---	8.03	---	0.91	6.3	130	< 0.40	---	0.83	18	8.3	28	---	48	---	---	---	< 0.050	0.65	23	< 0.50	< 0.20	---	< 0.10	9.4	---	0.49	10	**420**
TP16-15F	28-Jun-2016	---	8.15	---	< 0.50	5.7	73	< 0.40	---	0.17	15	7.6	14	---	10	---	---	---	< 0.050	< 0.40	19	< 0.50	< 0.20	---	< 0.10	< 1.0	---	0.38	9.6	50
TP16-16F	28-Jun-2016	---	8.78	---	< 0.50	5.7	96	< 0.40	---	0.062	15	7.8	13	---	7.8	---	---	---	< 0.050	< 0.40	19	< 0.50	< 0.20	---	< 0.10	< 1.0	---	0.66	9.9	36
TP16-18F	28-Jun-2016	---	8.39	---	0.50	5.3	98	< 0.40	---	0.19	15	7.9	17	---	16	---	---	---	< 0.050	0.43	19	< 0.50	< 0.20	---	< 0.10	1.1	---	0.52	9.7	69
DUP16-2 (BFD of TP16-18F)	28-Jun-2016	---	8.26	---	< 0.50	5.3	96	< 0.40	---	0.24	15	7.7	17	---	15	---	---	---	< 0.050	< 0.40	18	< 0.50	< 0.20	---	< 0.10	1.3	---	0.47	9.8	77
TP16-20F	29-Jun-2016	---	8.32	---	< 0.50	5.8	79	< 0.40	---	0.056	18	8.8	15	---	8.3	---	---	---	< 0.050	0.41	22	< 0.50	< 0.20	---	< 0.10	< 1.0	---	0.68	11	43
CSR NL			ns	ns	20	15	400	4	ns	1.5	60	50	90	ns	100	ns	ns	ns	15	10	100	3	20	ns	ns	50	ns	16	200	150

Notes:
m - metres
mg/kg - milligrams per dry kilogram
< - less than analytical detection limit indicated
BFD - Blind Field Duplicate
'---' - sample not analyzed for parameter indicated
ns - no standard listed
Exceeds CSR NL: BC Contaminated Sites Regulation, Schedule 7, Standards Triggering Contaminated Soil Relocation Agreements, Soil Relocation to Nonagricultural Land

TABLE 4: SOIL CHEMISTRY RESULTS (IMPACTED SOIL TO BE EXCAVATED) - LEACHABLE CHEMISTRY RESULTS - METALS PARAMETERS (mg/L)

Sample ID	Date	Depth (m)	pH	Antimony Leachable	Arsenic Leachable	Barium Leachable	Beryllium Leachable	Boron Leachable	Cadmium Leachable	Chromium Leachable	Cobalt Leachable	Copper Leachable	Iron Leachable	Lead Leachable	Mercury Leachable	Molybdenum Leachable	Nickel Leachable	Selenium Leachable	Silver Leachable	Thallium Leachable	Uranium Leachable	Vanadium Leachable	Zinc Leachable
Main Debris Zone - 2015 Limit Samples																							
MDZ-EW2-0.3-0.8	4-Mar-2015	0.3 - 0.8	8.52	< 0.10	< 0.10	0.70	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.50	< 0.10	< 0.0020	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.18
MDZ-NW5-B6-3.0	5-Mar-2015	3.0	8.53	< 0.10	< 0.10	1.11	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.50	< 0.10	< 0.0020	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.76
MDZ-SW2-0.3-0.8	4-Mar-2015	0.3 - 0.8	8.89	< 0.10	< 0.10	1.26	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.50	< 0.10	< 0.0020	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Main Debris Zone - 2016 Test Pit Samples																							
TP16-7F	28-Jun-2016	---	8.14	< 1.0	< 0.50	< 1.0	< 0.50	< 1.0	< 0.10	< 0.50	< 1.0	< 1.0	4.6	< 0.50	< 0.020	---	< 0.50	< 0.10	< 0.50	< 0.50	< 0.20	< 1.0	< 1.0
TP16-8F	28-Jun-2016	---	8.23	< 1.0	< 0.50	< 1.0	< 0.50	< 1.0	< 0.10	< 0.50	< 1.0	< 1.0	4.9	< 0.50	< 0.020	---	< 0.50	< 0.10	< 0.50	< 0.50	< 0.20	< 1.0	1.4
TP16-10F	28-Jun-2016	---	7.98	< 1.0	< 0.50	< 1.0	< 0.50	< 1.0	< 0.10	< 0.50	< 1.0	< 1.0	9.9	< 0.50	< 0.020	---	< 0.50	< 0.10	< 0.50	< 0.50	< 0.20	< 1.0	2.9
TP16-12F	28-Jun-2016	---	8.03	< 1.0	< 0.50	< 1.0	< 0.50	< 1.0	< 0.10	< 0.50	< 1.0	< 1.0	10	< 0.50	< 0.020	---	< 0.50	< 0.10	< 0.50	< 0.50	< 0.20	< 1.0	2.4
TP16-15F	28-Jun-2016	---	8.15	< 1.0	< 0.50	< 1.0	< 0.50	< 1.0	< 0.10	< 0.50	< 1.0	< 1.0	9.6	< 0.50	< 0.020	---	< 0.50	< 0.10	< 0.50	< 0.50	< 0.20	< 1.0	< 1.0
TP16-16F	28-Jun-2016	---	8.78	< 1.0	< 0.50	< 1.0	< 0.50	< 1.0	< 0.10	< 0.50	< 1.0	< 1.0	10	< 0.50	< 0.020	---	< 0.50	< 0.10	< 0.50	< 0.50	< 0.20	< 1.0	< 1.0
TP16-18F	28-Jun-2016	---	8.39	< 1.0	< 0.50	< 1.0	< 0.50	< 1.0	< 0.10	< 0.50	< 1.0	< 1.0	4.8	< 0.50	< 0.020	---	< 0.50	< 0.10	< 0.50	< 0.50	< 0.20	< 1.0	< 1.0
DUP16-2 (BFD of TP16-18F)	28-Jun-2016	---	8.26	< 1.0	< 0.50	< 1.0	< 0.50	< 1.0	< 0.10	< 0.50	< 1.0	< 1.0	4.8	< 0.50	< 0.020	---	< 0.50	< 0.10	< 0.50	< 0.50	< 0.20	< 1.0	1.1
TP16-20F	29-Jun-2016	---	8.32	< 1.0	< 0.50	< 1.0	< 0.50	< 1.0	< 0.10	< 0.50	< 1.0	< 1.0	9.6	< 0.50	< 0.020	---	< 0.50	< 0.10	< 0.50	< 0.50	< 0.20	< 1.0	< 1.0
HWR			ns	ns	2.5	100	ns	500	0.5	5	ns	100	ns	5	0.1	ns	ns	1	5	ns	10	ns	500

Notes:
m - metres
mg/L - milligrams per liter
< - less than analytical detection limit indicated
ns - no standard/guideline listed
HWR - BC Hazardous Waste Regulation
HWR: Table 1: Leachate Quality Standards for the Hazardous Waste Regulation

TABLE 5: SOIL CHEMISTRY RESULTS (IMPACTED SOIL TO BE EXCAVATED) - LEACHABLE CHEMISTRY RESULTS - PAH PARAMETERS (µg/L)

Sample ID	Date	Acenaphthene Leachable	Acenaphthylene Leachable	Acridine Leachable	Anthracene Leachable	Benzo(a)anthracene Leachable	Benzo(a)pyrene Leachable	Benzo(b&j)fluoranthene Leachable	Benzo(g,h,i)perylene Leachable	Benzo(k)fluoranthene Leachable	Chrysene Leachable	Dibenzo(a,h)anthracene Leachable	Fluoranthene Leachable	Fluorene Leachable	Indeno(1,2,3-c,d)pyrene Leachable	2-Methylnaphthalene Leachable	Naphthalene Leachable	Phenanthrene Leachable	Pyrene Leachable	Quinoline Leachable
Main Debris Zone - 2016 Test Pit Samples																				
TP16-7F	28-Jun-2016	<0.1	<0.1	<0.2	<0.05	<0.05	<0.05	<0.1	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1	<0.1	<0.05	<0.05	<0.2
TP16-8F	28-Jun-2016	<0.1	<0.1	<0.2	<0.05	<0.05	<0.05	<0.1	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1	<0.1	<0.05	<0.05	<0.2
TP16-10F	28-Jun-2016	<0.1	<0.1	<0.2	<0.05	<0.05	<0.05	<0.1	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1	<0.1	<0.05	<0.05	<0.2
TP16-12F	28-Jun-2016	<0.1	<0.1	<0.2	<0.05	<0.05	<0.05	<0.1	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1	<0.1	<0.05	<0.05	<0.2
TP16-15F	28-Jun-2016	<0.1	<0.1	<0.2	<0.05	<0.05	<0.05	<0.1	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1	<0.1	<0.05	<0.05	<0.2
TP16-16F	28-Jun-2016	<0.1	<0.1	<0.2	<0.05	<0.05	<0.05	<0.1	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1	<0.1	<0.05	<0.05	<0.2
TP16-18F	28-Jun-2016	<0.1	<0.1	<0.2	<0.05	<0.05	<0.05	<0.1	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1	<0.1	<0.05	<0.05	<0.2
DUP16-2 (BFD of TP16-18F)	28-Jun-2016	<0.1	<0.1	<0.2	<0.05	<0.05	<0.05	<0.1	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1	<0.1	<0.05	<0.05	<0.2
TP16-20F	29-Jun-2016	<0.1	<0.1	<0.2	<0.05	<0.05	<0.05	<0.1	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1	<0.1	<0.05	<0.05	<0.2
HWR		ns	ns	ns	ns	ns	1	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns

Notes:
m - metres
mg/L - milligrams per liter
< - less than analytical detection limit indicated
ns - no standard/guideline listed
HWR - BC Hazardous Waste Regulation
HWR: Table 1: Leachate Quality Standards for the Hazardous Waste Regulation

TABLE 6: SOIL CHEMISTRY RESULTS (IMPACTED SOIL TO BE EXCAVATED) - PAH PARAMETERS (mg/kg)

Sample ID	Date	Depth (m)	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene	HWR Total PAH
Main Debris Zone - 2015 Limit Samples																				
MDZ-EW1-3.0-4.0	4-Mar-2015	3.0 - 4.0	< 0.005	< 0.005	< 0.004	< 0.02	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	< 0.01	< 0.02	< 0.02	0.091
MDZ-EW2-1.0-2.0	4-Mar-2015	1.0 - 2.0	< 0.005	< 0.005	< 0.004	< 0.02	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	< 0.01	< 0.02	< 0.02	0.091
MDZ-NWA-1-2	8-Feb-2015	1.0 - 2.0	< 0.005	< 0.005	< 0.004	< 0.02	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	< 0.01	< 0.02	< 0.02	0.091
MDZ-NWA-B2-7.0	5-Mar-2015	7.0	< 0.005	< 0.005	< 0.004	< 0.02	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	< 0.01	< 0.02	< 0.02	0.091
-DUP-D (BFD of MDZ-NWA-B2	5-Mar-2015	7.0	< 0.005	< 0.005	0.011	0.021	< 0.02	< 0.02	< 0.05	< 0.02	0.024	< 0.05	0.052	< 0.02	< 0.05	< 0.02	< 0.01	0.049	0.053	0.0911
MDZ-NW1-0.3-0.8	5-Mar-2015	0.3 - 0.8	< 0.005	< 0.005	< 0.004	< 0.02	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	< 0.01	< 0.02	< 0.02	0.091
MDZ-NW1-5.5-6.5	5-Mar-2015	5.5 - 6.5	< 0.005	< 0.005	< 0.004	< 0.02	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	< 0.01	< 0.02	< 0.02	0.091
MDZ-NW1-B1-8.0	5-Mar-2015	8.0	< 0.005	< 0.005	< 0.004	< 0.02	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	< 0.01	< 0.02	< 0.02	0.091
MDZ-NW2-0.3-0.8	5-Mar-2015	0.3 - 0.8	< 0.005	< 0.005	< 0.004	< 0.02	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	< 0.01	< 0.02	< 0.02	0.091
MDZ-NW2-4.0-5.0	5-Mar-2015	4.0 - 5.0	< 0.005	< 0.005	< 0.004	< 0.02	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	< 0.01	< 0.02	< 0.02	0.091
MDZ-NW3-0.3-0.8	5-Mar-2015	0.3 - 0.8	< 0.005	< 0.005	< 0.004	< 0.02	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	< 0.01	< 0.02	< 0.02	0.091
MDZ-NW4-0.3-0.8	5-Mar-2015	0.3 - 0.8	< 0.005	< 0.005	< 0.004	< 0.02	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	< 0.01	< 0.02	< 0.02	0.091
-DUP-E (BFD of MDZ-NW4-0.3	5-Mar-2015	0.3 - 0.8	< 0.005	< 0.005	< 0.004	< 0.02	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	< 0.01	< 0.02	< 0.02	0.091
MDZ-NW4-B5-5.0	5-Mar-2015	5.0	< 0.005	< 0.005	< 0.004	< 0.02	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	< 0.01	< 0.02	< 0.02	0.091
MDZ-NW5-0.3-0.8	5-Mar-2015	0.3 - 0.8	< 0.005	< 0.005	< 0.004	< 0.02	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	< 0.01	< 0.02	< 0.02	0.091
MDZ-NW5-B6-3.0	5-Mar-2015	3.0	0.0098	< 0.005	0.02	0.058	0.06	0.036	< 0.05	< 0.02	0.066	< 0.05	0.078	< 0.02	< 0.05	< 0.02	< 0.01	0.079	0.089	0.1364
MDZ-NW6-2.0-3.0	7-Mar-2015	2.0 - 3.0	< 0.005	< 0.005	< 0.004	< 0.02	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	< 0.01	< 0.02	< 0.02	0.091
MDZ-NW7-0.3-0.8	5-Mar-2015	0.3 - 0.8	< 0.005	< 0.005	< 0.004	< 0.02	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	< 0.01	< 0.02	< 0.02	0.091
MDZ-SW1-0.3-0.8	4-Mar-2015	0.3 - 0.8	< 0.005	< 0.005	< 0.004	< 0.02	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	< 0.01	< 0.02	< 0.02	0.091
MDZ-SW2-0.3-0.8	4-Mar-2015	0.3 - 0.8	< 0.005	< 0.005	< 0.004	< 0.02	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	< 0.01	< 0.02	< 0.02	0.091
MDZ-SW3-2.0-3.0	4-Mar-2015	2.0 - 3.0	< 0.005	< 0.005	< 0.004	< 0.02	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	< 0.01	< 0.02	< 0.02	0.091
MDZ-SW4-0.3-0.8	4-Mar-2015	0.3 - 0.8	< 0.005	< 0.005	< 0.004	< 0.02	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	< 0.01	< 0.02	< 0.02	0.091
MDZ-SW4-2.0-3.0	4-Mar-2015	2.0 - 3.0	< 0.005	< 0.005	< 0.004	< 0.02	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	< 0.01	< 0.02	< 0.02	0.091
MDZ-SW5-1.0-2.0	4-Mar-2015	1.0 - 2.0	< 0.005	< 0.005	< 0.004	< 0.02	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	< 0.01	< 0.02	< 0.02	0.091
Main Debris Zone - 2015 Backfill Samples																				
TP15-8-1-2	9-Feb-2015	1.0 - 2.0	< 0.005	< 0.005	< 0.004	< 0.02	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	< 0.01	< 0.02	< 0.02	0.091
TP15-8-2-3	9-Feb-2015	2.0 - 3.0	< 0.005	< 0.005	< 0.004	< 0.02	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	< 0.01	< 0.02	< 0.02	0.091
TP15-9-1-2	9-Feb-2015	1.0 - 2.0	< 0.005	< 0.005	< 0.004	< 0.02	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.05	< 0.02	< 0.01	< 0.02	< 0.02	0.091
Main Debris Zone - 2016 Test Pit Samples																				
TP16-7F	28-Jun-2016	---	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	0.039
TP16-8F	28-Jun-2016	---	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.013	< 0.02	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	0.0393
TP16-10F	28-Jun-2016	---	< 0.01	< 0.01	< 0.01	< 0.012	< 0.01	0.013	< 0.02	< 0.01	< 0.014	< 0.02	< 0.021	< 0.01	< 0.02	< 0.01	< 0.01	< 0.026	< 0.021	0.0395
TP16-12F	28-Jun-2016	---	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	0.039
TP16-15F	28-Jun-2016	---	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	0.039
TP16-16F	28-Jun-2016	---	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	0.039
TP16-18F	28-Jun-2016	---	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	0.039
DUP16-2 (BFD of TP16-18F)	28-Jun-2016	---	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	0.039
TP16-20F	29-Jun-2016	---	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	0.039
HWR			ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	100

Notes:
m - metres
mg/L - milligrams per liter
< - less than analytical detection limit indicated
ns - no standard/guideline listed
HWR - BC Hazardous Waste Regulation
HWR: Table 1: Leachate Quality Standards for the Hazardous Waste Regulation
HWR Total PAH calculated using Toxicity Equivalency Factor Approach as outlined in the HWR

TABLE 7: SOIL CHEMISTRY RESULTS (IMPACTED SOIL TO BE EXCAVATED) - LEACHABLE CHEMISTRY RESULTS - PETROLEUM HYDROCARBON CONSTITUENTS AND MTBE (mg/L)

Sample ID	Date	Benzene Leachable	Ethylbenzene Leachable	Toluene Leachable	m,p-Xylene Leachable	o-Xylene Leachable	Xylene Leachable	MTBE
Main Debris Zone - 2016 Test Pit Samples								
TP16-7F	28-Jun-2016	<0.01	<0.01	<0.01	<0.02	<0.01	<0.02	---
TP16-8F	28-Jun-2016	<0.01	<0.01	<0.01	<0.02	<0.01	<0.02	---
TP16-10F	28-Jun-2016	<0.01	<0.01	<0.01	<0.02	<0.01	<0.02	---
TP16-12F	28-Jun-2016	<0.01	<0.01	<0.01	<0.02	<0.01	<0.02	---
TP16-15F	28-Jun-2016	<0.01	<0.01	<0.01	<0.02	<0.01	<0.02	---
TP16-16F	28-Jun-2016	<0.01	<0.01	<0.01	<0.02	<0.01	<0.02	---
TP16-18F	28-Jun-2016	<0.01	<0.01	<0.01	<0.02	<0.01	<0.02	< 0.30
DUP16-2 (BFD of TP16-18F)	28-Jun-2016	<0.01	<0.01	<0.01	<0.02	<0.01	<0.02	< 0.30
TP16-20F	29-Jun-2016	<0.01	<0.01	<0.01	<0.02	<0.01	<0.02	< 0.30
HWR		0.5	0.24	2.4	ns	ns	30	ns

Notes:
m - metres
mg/L - milligrams per liter
< - less than analytical detection limit indicated
ns - no standard/guideline listed
HWR - BC Hazardous Waste Regulation
HWR: Table 1: Leachate Quality Standards for the Hazardous Waste Regulation

TABLE 8: SOIL CHEMISTRY RESULTS (IMPACTED SOIL TO BE EXCAVATED) - GENERAL WASTE PARAMETERS

Sample ID	Date	Closed Cup Flash Point (°C)	Free Liquid	Elemental Sulphur (mg/kg)	Soluble (1:1) pH	Leachable Initial pH of Sample	Leachable pH after HCl	Leachable Final pH of Leachate	Hazardous Waste Oil (%)
Main Debris Zone - 2016 Test Pit Samples									
TP16-7F	28-Jun-2016	>61	Pass	<100	8.14	9.40	3.80	6.29	<0.50
TP16-8F	28-Jun-2016	>61	Pass	<100	8.23	9.63	4.72	6.32	<0.50
TP16-10F	28-Jun-2016	>61	Pass	170	7.98	9.30	4.61	6.61	<0.50
TP16-12F	28-Jun-2016	>61	Pass	<100	8.03	9.13	2.93	6.20	<0.50
TP16-15F	28-Jun-2016	>61	Pass	140	8.15	9.31	2.51	6.19	<0.50
TP16-16F	28-Jun-2016	>61	Pass	<100	8.78	9.50	2.93	6.18	<0.50
TP16-18F	28-Jun-2016	>61	Pass	<100	8.39	9.57	2.97	6.30	<0.50
DUP16-2 (BFD of TP16-18F)	28-Jun-2016	>61	Pass	<100	8.26	9.38	3.72	6.30	<0.50
TP16-20F	29-Jun-2016	>61	Pass	100	8.32	9.40	3.31	6.26	<0.50

Notes:
mg/kg - milligrams per kilogram
°C - degrees celcius
< - less than analytical detection limit indicated
'---' - sample not analyzed for parameter indicated
ns - no standard listed

TABLE 9: SOIL CHEMISTRY RESULTS (NATIVE SOIL) - PETROLEUM HYDROCARBON CONSTITUENTS AND MTBE (mg/kg)

Sample ID	Date	Depth (m)	Benzene	Ethylbenzene	Toluene	Xylenes	F1 (C6-10)	F2 (C10-16)	F3 (C16-34)	F4 (C34-50+)
Main Debris Zone - 2016 Test Pit Samples										
TP16-7N	28-Jun-2016	1.5	< 0.0050	< 0.010	< 0.020	< 0.040	31	< 10	< 50	< 50
DUP16-1 (BFD of TP16-7N)	28-Jun-2016	1.5	< 0.0050	< 0.010	< 0.020	< 0.040	< 30	< 10	< 50	< 50
TP16-8N	28-Jun-2016	1.2	< 0.0050	< 0.010	< 0.020	< 0.040	< 30	< 10	< 50	< 50
TP16-10N	28-Jun-2016	0.8	< 0.0050	< 0.010	< 0.020	< 0.040	< 30	< 10	< 50	< 50
TP16-12N	28-Jun-2016	2.5	< 0.0050	< 0.010	< 0.020	< 0.040	< 30	< 10	< 50	< 50
TP16-15N	28-Jun-2016	2	< 0.010	< 0.020	< 0.040	< 0.080	< 30	< 10	< 50	< 50
TP16-16N	28-Jun-2016	1.2	< 0.010	< 0.020	< 0.040	< 0.080	< 30	< 10	< 50	< 50
TP16-18N	28-Jun-2016	1.2	< 0.0050	< 0.010	< 0.020	< 0.040	< 12	< 10	< 50	< 50
TP16-20N	29-Jun-2016	1.5	< 0.0050	< 0.010	< 0.020	< 0.040	< 43	< 10	< 50	< 50
CSR NL			0.04	1	1.5	5	200*	1000*	1000*	ns

Notes:
m - metres
mg/kg - milligrams per kilogram
< - less than analytical detection limit indicated
'---' - sample not analyzed for parameter indicated
MTBE - methyl tert-butyl ether
VPHs - volatile petroleum hydrocarbons (C6-10), excluding benzene, ethylbenzene, toluene, xylenes
LEPHs - light extractable petroleum hydrocarbons (C10-19), excluding specific polycyclic aromatic hydrocarbon parameters
HEPHs - heavy extractable petroleum hydrocarbons (C19-32), excluding specific polycyclic aromatic hydrocarbon parameters
* - samples submitted for analysis of CWS PHC F1-F4 fractions but have been compared to CSR standards for similar hydrocarbon ranges for evaluation purposes
ns - no standard listed
Exceeds CSR NL: BC Contaminated Sites Regulation, Schedule 7, Standards Triggering Contaminated Soil Relocation Agreements, Soil Relocation to Nonagricultural Land

TABLE 10: SOIL CHEMISTRY RESULTS (NATIVE SOIL) - PAH PARAMETERS (mg/kg)

Sample ID	Date	Depth (m)	Acenaphthene	Acenaphthylene	Acridine	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b+j)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene	Quinoline
Main Debris Zone - 2016 Test Pit Samples																					
TP16-7N	28-Jun-2016	1.5	< 0.0050	< 0.0050	< 0.010	< 0.0040	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.010
DUP16-1 (BFD of TP16-7N)	28-Jun-2016	1.5	< 0.0050	< 0.0050	< 0.010	< 0.0040	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.010
TP16-8N	28-Jun-2016	1.2	< 0.0050	< 0.0050	< 0.010	< 0.0040	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.010
TP16-10N	28-Jun-2016	0.8	< 0.0050	< 0.0050	< 0.010	< 0.0040	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.010
TP16-12N	28-Jun-2016	2.5	< 0.0050	< 0.0050	< 0.010	< 0.0040	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.010
TP16-15N	28-Jun-2016	2	< 0.0050	< 0.0050	< 0.010	< 0.0040	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.010
TP16-16N	28-Jun-2016	1.2	< 0.0050	< 0.0050	< 0.010	< 0.0040	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.010
TP16-18N	28-Jun-2016	1.2	< 0.0050	< 0.0050	< 0.010	< 0.0040	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.010
TP16-20N	29-Jun-2016	1.5	< 0.0050	< 0.0050	< 0.010	< 0.0040	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.010
CSR NL			ns	ns	ns	ns	1	1	1	ns	1	ns	1	ns	ns	1	ns	5	5	10	ns

Notes:
m - metres
PAH - polycyclic aromatic hydrocarbons
mg/kg - milligrams per dry kilogram
< - less than analytical detection limit indicated
BFD - blind field duplicate
'---' - sample not analyzed for parameter indicated
ns - no standard/guideline listed
Exceeds CSR NL: BC Contaminated Sites Regulation, Schedule 7, Standards Triggering Contaminated Soil Relocation Agreements, Soil Relocation to Nonagricultural Land

TABLE 11: SOIL CHEMISTRY RESULTS (NATIVE SOIL) - METALS PARAMETERS (mg/kg)

Sample ID	Date	Depth (m)	pH	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium (total)	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Tin	Uranium	Vanadium	Zinc
Main Debris Zone - 2016 Test Pit Samples																						
TP16-7N	28-Jun-2016	1.5	8.66	< 0.50	6.5	110	< 0.40	0.068	17	9.5	15	9.6	< 0.050	0.45	22	< 0.50	< 0.20	< 0.10	< 1.0	0.85	11	39
DUP16-1 (BFD of TP16-7N)	28-Jun-2016	1.5	8.82	< 0.50	6.3	98	< 0.40	0.068	16	9.0	15	9.0	< 0.050	< 0.40	21	< 0.50	< 0.20	< 0.10	< 1.0	0.72	10	38
TP16-8N	28-Jun-2016	1.2	9.15	< 0.50	5.2	87	< 0.40	0.070	16	8.4	13	8.4	< 0.050	< 0.40	20	< 0.50	< 0.20	< 0.10	< 1.0	0.51	10	41
TP16-10N	28-Jun-2016	0.8	8.45	< 0.50	6.3	84	< 0.40	0.057	16	9.2	15	8.6	< 0.050	< 0.40	21	< 0.50	< 0.20	< 0.10	< 1.0	0.47	11	39
TP16-12N	28-Jun-2016	2.5	8.02	< 0.50	6.2	75	< 0.40	0.082	21	10	15	9.0	< 0.050	0.43	26	< 0.50	< 0.20	< 0.10	< 1.0	0.57	13	49
TP16-15N	28-Jun-2016	2	8.49	< 0.50	6.3	62	< 0.40	0.058	17	8.8	15	8.5	< 0.050	< 0.40	22	< 0.50	< 0.20	< 0.10	< 1.0	0.43	11	40
TP16-16N	28-Jun-2016	1.2	7.92	< 0.50	5.7	73	< 0.40	< 0.050	18	8.8	14	8.2	< 0.050	< 0.40	22	< 0.50	< 0.20	< 0.10	< 1.0	0.53	11	43
TP16-18N	28-Jun-2016	1.2	9.16	< 0.50	5.4	83	< 0.40	0.055	14	7.3	13	7.5	< 0.050	< 0.40	17	< 0.50	< 0.20	< 0.10	< 1.0	0.57	8.9	34
TP16-20N	29-Jun-2016	1.5	8.19	< 0.50	5.5	87	< 0.40	0.055	15	8.0	15	7.7	< 0.050	< 0.40	19	< 0.50	< 0.20	< 0.10	< 1.0	0.52	10	36
CSR NL			ns	20	15	400	4	1.5	60	50	90	100	15	10	100	3	20	ns	50	16	200	150

Notes:
m - metres
mg/kg - milligrams per dry kilogram
< - less than analytical detection limit indicated
BFD - Blind Field Duplicate
'---' - sample not analyzed for parameter indicated
ns - no standard listed
Exceeds CSR NL: BC Contaminated Sites Regulation, Schedule 7, Standards Triggering Contaminated Soil Relocation Agreements, Soil Relocation to Nonagricultural Land

TABLE 12: SOIL CHARACTERIZATION CLASSES FOR DISPOSAL

Parameter	Non-Contaminated Material	Contaminated Material - Waste Quality	Contaminated Material - Hazardous Waste
Benzene	≤0.04 mg/kg	≤0.5 mg/L waste extract and/or ≤25 mg/kg soil	>0.5 mg/L waste extract and/or >25 mg/kg soil
Ethylbenzene	≤1 mg/kg	≤0.24 mg/L waste extract and/or ≤250 mg/kg soil	>0.24 mg/L waste extract and/or >250 mg/kg soil
Toluene	≤1.5 mg/kg	≤2.4 mg/L waste extract and/or ≤150 mg/kg soil	>2.4 mg/L waste extract and/or >150 mg/kg soil
Xylenes	≤5 mg/kg	≤30 mg/L waste extract and/or ≤250 mg/kg soil	>30 mg/L waste extract and/or >250 mg/kg soil
Total BTEX	-	≤1000 mg/kg soil	>1000 mg/kg soil
MTBE	≤320 mg/kg	-	-
VPHs	≤200 mg/kg	-	-
EPH(C10-19)	≤1000 mg/kg	-	-
EPH(C19-32)	≤1000 mg/kg	-	-
LEPHs	≤1000 mg/kg	-	-
HEPHs	≤1000 mg/kg	-	-
Total VPHs+LEPHs+HEPHs	-	≤30000 mg/kg soil	>30000 mg/kg soil
Oil content	-	≤3%	>3%
Acenaphthene	-	-	-
Acenaphthylene	-	-	-
Anthracene	-	-	-
Benzo(a)anthracene	≤1 mg/kg	-	-
Benzo(a)pyrene	≤1 mg/kg	≤0.001 mg/L waste extract	>0.001 mg/L waste extract
Benzo(b)fluoranthene	≤1 mg/kg	-	-
Benzo(g,h,i)perylene	-	-	-
Benzo(k)fluoranthene	≤1 mg/kg	-	-
Chrysene	-	-	-
Dibenzo(a,h)anthracene	≤1 mg/kg	-	-
Fluoranthene	-	-	-
Fluorene	-	-	-
Indeno(1,2,3-c,d)pyrene	≤1 mg/kg	-	-
2-Methylnaphthalene	-	-	-
Naphthalene	≤5 mg/kg	-	-
Phenanthrene	≤5 mg/kg	-	-
Pyrene	≤10 mg/kg	-	-
PAH TEQ	-	≤100 mg/kg soil	>100 mg/kg soil
pH	>2.0 and < 12.5	>2.0 and < 12.5	> 2.0 and < 12.5
Antimony	≤20 mg/kg	-	-
Arsenic	≤15 mg/kg	≤2.5 mg/L waste extract	>2.5 mg/L waste extract
Barium	≤400 mg/kg	≤100 mg/L waste extract	>100 mg/L waste extract
Beryllium	≤4 mg/kg	-	-
Cadmium	≤1.5 mg/kg	≤0.5 mg/L waste extract	>0.5 mg/L waste extract
Chromium (+3)	≤60 mg/kg	-	-
Chromium (+6)	≤60 mg/kg	-	-
Chromium (total)	≤60 mg/kg	≤5 mg/L waste extract	>5 mg/L waste extract
Cobalt	≤50 mg/kg	-	-
Copper	≤90 mg/kg	≤100 mg/L waste extract	>100 mg/L waste extract
Lead	≤100 mg/kg	≤5 mg/L waste extract	>5 mg/L waste extract
Mercury	≤15 mg/kg	≤0.1 mg/L waste extract	>0.1 mg/L waste extract
Molybdenum	≤10 mg/kg	-	-
Nickel	≤100 mg/kg	-	-
Selenium	≤3 mg/kg	≤1 mg/L waste extract	>1 mg/L waste extract
Silver	≤20 mg/kg	≤5 mg/L waste extract	>5 mg/L waste extract
Thallium	-	-	-
Tin	≤50 mg/kg	-	-
Uranium	≤16 mg/kg	≤10 mg/L waste extract	>10 mg/L waste extract
Vanadium	≤200 mg/kg	-	-
Zinc	≤150 mg/kg	≤500 mg/L waste extract	>500 mg/L waste extract
Flash Point	-	> 75 degrees Celsius	< 75 degrees Celsius
Sulphur, elemental and sulfides (total)	-	≤ 500 mg/kg (total)	> 500 mg/kg (total)
Paint Filter Test	-	PASS	FAIL

Notes:
mg/L - milligrams per litre, refers to Leachate Quality per Hazardous Waste Regulation
mg/kg - milligrams per kilogram
PAH TEQ - polycyclic aromatic hydrocarbon toxicity equivalent value relative to benzo[a]pyrene per Part 1 of the Hazardous Waste Regulation
Soil which meets both the Class A and Class B classifications will be considered to be Class A material.