Industrial Area
Sampling and Analysis Plan
Addendum #IA-03-15
IHSS Group 700-7

October 2003

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Approval received from the Colorado Department of Public Health and Environment
October 22, 2003.
Approval letter is contained in the Administrative Record.

October 2003

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ACRONYMS

AL	action level
DL	detection limit
DOE	U.S. Department of Energy
Dpm/100cm^2	disintegrations per minute per 100 square centimeters
ER	Environmental Restoration
FY	Fiscal Year
HPGe	high-purity germanium
HRR	Historical Release Report
IA	Industrial Area
IASAP	Industrial Area Sampling and Analysis Plan
IHSS	Individual Hazardous Substance Site
MDL	method detection limit
mg/kg	milligrams per kilogram
mg/l	milligrams per liter
N/A	not applicable
NFAA	No Further Accelerated Action
OPWL	Original Process Waste Line
OU	Operable Unit
PAC	Potential Area of Concern
PCB	polychlorinated biphenyl
pCi/g	picocuries per gram
PCOC	potential contaminant of concern
PVC	polyvinyl chloride
RFCA	Rocky Flats Cleanup Agreement
RSOP	RFCA Standard Operating Protocol
SAP	Sampling and Analysis Plan
SVOC	semi-volatile organic compound
TPH	total petroleum hydrocarbon
UBC	Under Building Contamination
ug/kg	micrograms per kilogram
UST	underground storage tank
VOC	volatile organic compound

1.0 INTRODUCTION

This Industrial Area (IA) Sampling and Analysis Plan (SAP) (IASAP) Addendum #IA-03-15 includes Individual Hazardous Substance Site (IHSS) Group-specific information, sampling locations, and potential contaminants of concern (PCOCs) for IHSS, Potential Area of Concern (PAC), and Under Building Contamination (UBC) Sites proposed for characterization during Fiscal Year (FY) 04. This IASAP Addendum is a supplement to the IASAP (DOE 2001) and includes data and proposed sampling locations for IHSS Group 700-7 and the associated IHSS, PAC, and UBC Sites listed in Table 1. This IASAP Addendum also includes proposed sampling locations for a portion of IHSS 000-101 that was transferred from the Solar Evaporation Ponds Area of Concern. (Refer to the IASAP Addendum #IA-02-07, Environmental Restoration [ER] Rocky Flats Cleanup Agreement [RFCA] Standard Operating Protocol [RSOP] Notification #02-08, Closeout Report for IHSS Group 000-1, and Consultative Process Meeting Notes dated July 24, 2003). The location of the IHSS Group is shown on Figure 1.

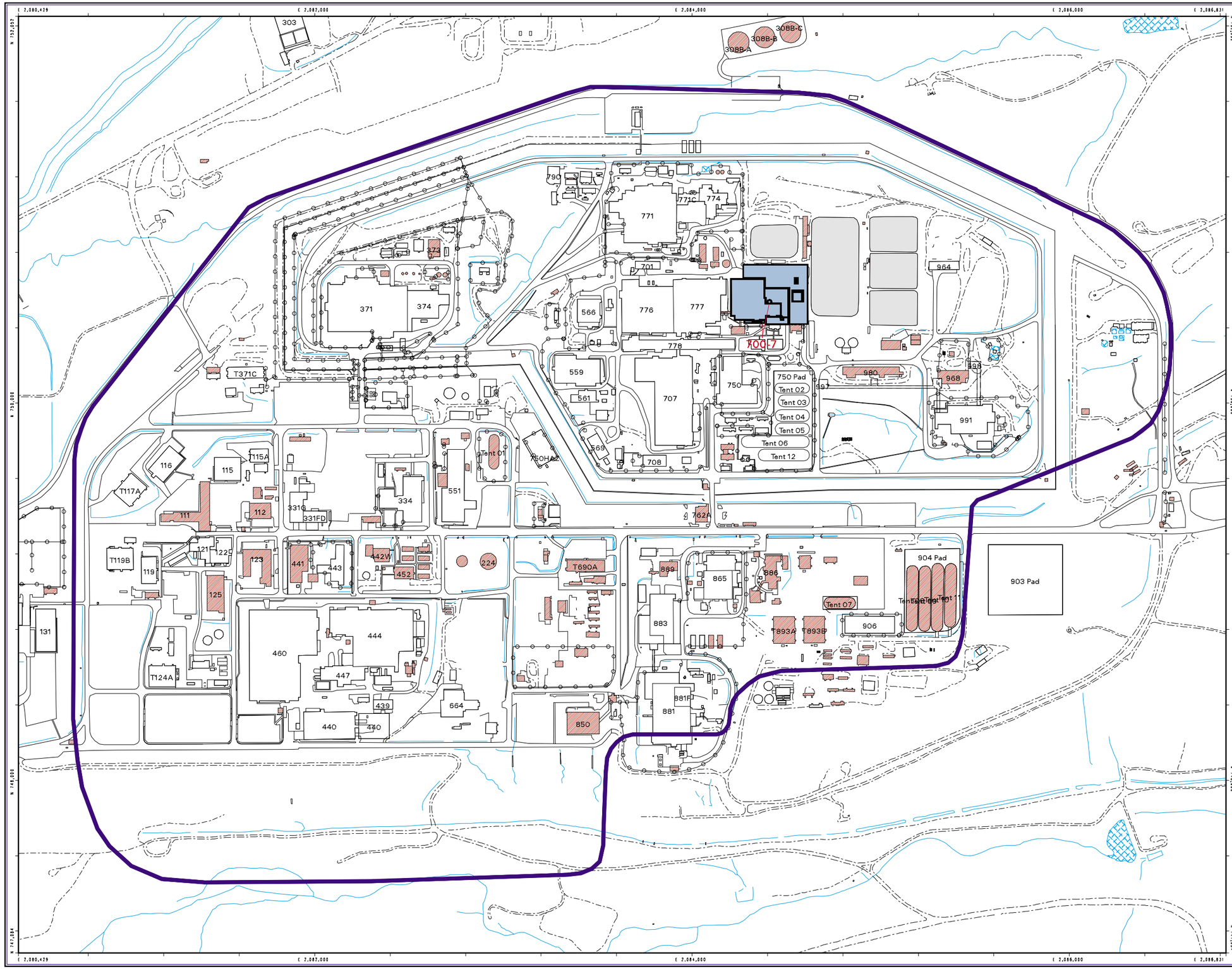
Table 1
IASAP Addendum #IA-03-15 IHSS Groups

IHSS Group	IHSS/PAC/UBC Sites
700-7	UBC 779, Main Plutonium Components Production Facility
	IHSS 700-138, Building 779 Cooling Tower Blow-down
	IHSS 700-149.2, South Lines to Solar Ponds
	IHSS 700-150.6, Radioactive Site South of Building 779
	IHSS 700-150.8, Radioactive Site East of Building 779
	PAC 700-1105, Transformer Leak – 779-1/779-2
	IHSS 000-121, OPWL
	IHSS 000-121, Tank 19-OPWL (Two 1,000-Gallon Concrete Sumps)
	IHSS 000-121, Tank 20-OPWL (Two 8,000-Gallon Concrete Sumps)
	IHSS 000-121, Tank 38-OPWL (1,000-Gallon Steel Tank)
	Portion of IHSS 000-101, Solar Evaporation Ponds (Area North and East of Building 779, including former Auxiliary Pond 2)

2.0 EXISTING UBC, IHSS, AND PAC INFORMATION

Existing information and data for the IHSS, PAC, and UBC Sites are available in Appendix C of the IASAP (DOE 2001), the IA Data Summary Report (DOE 2000a), the Historical Release Reports (HRRs) for the Rocky Flats Plant (DOE 1992-2002) and the Operable Unit (OU) 8 Data Summary Report (DOE 1995). Additional sampling data associated with the Building 779 Closure Project are presented in the Decommissioning Closeout Report for the 779 Closure Project (DOE 2000b). Existing concentrations greater than background means plus two standard deviations, or method detection limits (MDLs), are presented on Figure 2. Table 2 presents PCOCs by IHSS, PAC, and UBC Site. Table 3 lists known or suspected Original Process Waste Line (OPWL) leak locations within IHSS Group 700-7 in accordance with RFCA Attachment 14 (DOE et al, 2003) and the Draft ER RSOP Modification (DOE 2003).

Figure 1
IHSS Group 700-7 Location Map



EXPLANATION

IHSS Groupings

700-7

Standard Map Features

- Buildings and other structures
- Demolished buildings and Other Structures
- Lakes and ponds
- Streams, ditches, or other drainage features
- Fences and other barriers
- Paved roads
- Dirt roads
- Solar Evaporation Ponds (SEPs)
- Industrial Area Operable Unit Boundary

DATA SOURCE BASE FEATURES:

PACs
Historical Release Report (HRR)
2nd Annual Update
Sept. 30, 1997

Individual Hazardous Substance Sites (IHSS)
DOE, 1992, HRR Report and Subsequent Updates.

Buildings, fences, hydrography, roads and other structures from 1994 aerial fly-over data captured by EG&G RSL, Las Vegas.
Digitized from the orthophotographs, 1/95

N

150 0 300 600ft

State Plane Coordinate Projection
Colorado Central Zone
Datum: NAD27

U.S. Department of Energy
Rocky Flats Environmental Technology Site

GIS Dept. 303-966-7707

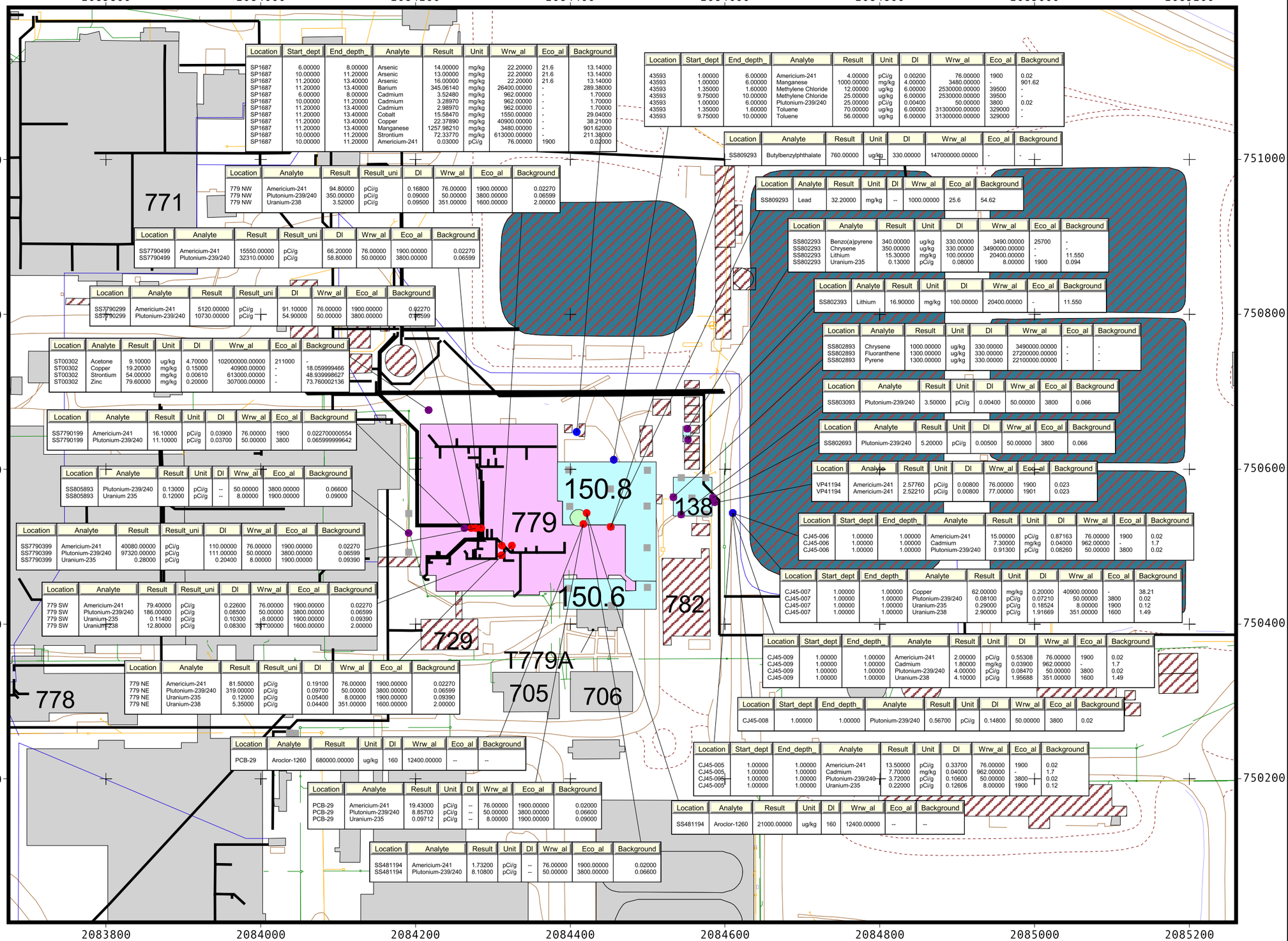
Prepared by: CH2MHILL

Prepared for: KAISER-HILL COMPANY

July 22, 2003

NT_Svr w:/projects/fy2003/03-0479/ia_group_700-7.aml

Figure 2
IHSS Group 700-7
Existing Soil Sample Data
Above Background Means
Plus 2 Standard Deviations
or Detection Limits



Location	Start_dept	End_depth	Analyte	Result	Unit	Wrw_al	Eco_al	Background
SP1687	6.00000	8.00000	Arsenic	14.00000	mg/kg	22.20000	21.6	13.14000
SP1687	11.00000	11.20000	Arsenic	13.00000	mg/kg	22.20000	21.6	13.14000
SP1687	11.20000	13.40000	Arsenic	16.00000	mg/kg	22.20000	21.6	13.14000
SP1687	11.20000	13.40000	Barium	345.06140	mg/kg	26400.00000	-	289.38000
SP1687	6.00000	8.00000	Cadmium	3.52480	mg/kg	962.00000	-	1.70000
SP1687	10.00000	11.20000	Cadmium	3.28970	mg/kg	962.00000	-	1.70000
SP1687	11.20000	13.40000	Cadmium	2.98970	mg/kg	962.00000	-	1.70000
SP1687	11.20000	13.40000	Cobalt	15.58470	mg/kg	1550.00000	-	29.04000
SP1687	11.20000	13.40000	Copper	22.37890	mg/kg	40900.00000	-	38.21000
SP1687	11.00000	13.40000	Manganese	1257.98210	mg/kg	3480.00000	-	901.62000
SP1687	10.00000	11.20000	Strontium	72.33770	mg/kg	613000.00000	-	211.38000
SP1687	10.00000	11.20000	Americium-241	0.03000	pCi/g	76.00000	1900	0.02000

Location	Start_dept	End_depth	Analyte	Result	Unit	DI	Wrw_al	Eco_al	Background
43593	1.00000	6.00000	Americium-241	4.00000	pCi/g	0.00200	76.00000	1900	0.02
43593	1.00000	6.00000	Manganese	1000.00000	mg/kg	4.00000	3480.00000	-	901.62
43593	1.35000	1.60000	Methylene Chloride	12.00000	ug/kg	6.00000	2530000.00000	39500	-
43593	9.75000	10.00000	Methylene Chloride	25.00000	ug/kg	6.00000	2530000.00000	39500	-
43593	1.00000	6.00000	Plutonium-239/240	25.00000	pCi/g	0.00400	50.00000	3800	0.02
43593	1.35000	1.60000	Toluene	70.00000	ug/kg	6.00000	31300000.00000	329000	-
43593	9.75000	10.00000	Toluene	56.00000	ug/kg	6.00000	31300000.00000	329000	-

Location	Analyte	Result	Unit	DI	Wrw_al	Eco_al	Background
SS809293	Butylbenzylphthalate	760.00000	ug/kg	330.00000	147000000.00000	-	-

Location	Analyte	Result	Result_uni	DI	Wrw_al	Eco_al	Background
779 NW	Americium-241	94.80000	pCi/g	0.16800	76.00000	1900.00000	0.02270
779 NW	Plutonium-239/240	350.00000	pCi/g	0.09000	50.00000	3800.00000	0.06599
779 NW	Uranium-238	3.52000	pCi/g	0.09500	351.00000	1600.00000	2.00000

Location	Analyte	Result	Unit	DI	Wrw_al	Eco_al	Background
SS809293	Lead	32.20000	mg/kg	--	1000.00000	25.6	54.62

Location	Analyte	Result	Result_uni	DI	Wrw_al	Eco_al	Background
SS7790499	Americium-241	15550.00000	pCi/g	66.20000	76.00000	1900.00000	0.02270
SS7790499	Plutonium-239/240	32310.00000	pCi/g	58.80000	50.00000	3800.00000	0.06599

Location	Analyte	Result	Unit	DI	Wrw_al	Eco_al	Background
SS802293	Benzo(a)pyrene	340.00000	ug/kg	330.00000	3490.00000	25700	-
SS802293	Chrysene	350.00000	ug/kg	330.00000	3490000.00000	-	-
SS802293	Lithium	15.30000	mg/kg	100.00000	20400.00000	-	11.550
SS802293	Uranium-235	0.13000	pCi/g	0.08000	8.00000	1900	0.094

Location	Analyte	Result_uni	DI	Wrw_al	Eco_al	Background
SS7790299	Americium-241	pCi/g	91.10000	76.00000	1900.00000	0.02270
SS7790299	Plutonium-239/240	pCi/g	54.90000	50.00000	3800.00000	0.06599

Location	Analyte	Result	Unit	DI	Wrw_al	Eco_al	Background
SS802393	Lithium	16.90000	mg/kg	100.00000	20400.00000	-	11.550

Location	Analyte	Result	Unit	DI	Wrw_al	Eco_al	Background
ST00302	Acetone	9.10000	ug/kg	4.70000	102000000.00000	211000	-
ST00302	Copper	19.20000	mg/kg	0.15000	40900.00000	-	18.059999466
ST00302	Strontium	54.00000	mg/kg	0.00610	613000.00000	-	48.939998627
ST00302	Zinc	79.60000	mg/kg	0.20000	307000.00000	-	73.760002136

Location	Analyte	Result	Unit	DI	Wrw_al	Eco_al	Background
SS802893	Chrysene	1000.00000	ug/kg	330.00000	3490000.00000	-	-
SS802893	Fluoranthene	1300.00000	ug/kg	330.00000	27200000.00000	-	-
SS802893	Pyrene	1300.00000	ug/kg	330.00000	22100000.00000	-	-

Location	Analyte	Result	Unit	DI	Wrw_al	Eco_al	Background
SS803093	Plutonium-239/240	3.50000	pCi/g	0.00400	50.00000	3800	0.066

Location	Analyte	Result	Unit	DI	Wrw_al	Eco_al	Background
SS802693	Plutonium-239/240	5.20000	pCi/g	0.00500	50.00000	3800	0.066

Location	Analyte	Result	Unit	DI	Wrw_al	Eco_al	Background
SS7790199	Americium-241	16.10000	pCi/g	0.03900	76.00000	1900	0.022700000554
SS7790199	Plutonium-239/240	11.10000	pCi/g	0.03700	50.00000	3800	0.065999999642

Location	Analyte	Result	Unit	DI	Wrw_al	Eco_al	Background
VP41194	Americium-241	2.57760	pCi/g	0.00800	76.00000	1900	0.023
VP41194	Americium-241	2.52210	pCi/g	0.00800	77.00000	1901	0.023

Location	Analyte	Result	Unit	DI	Wrw_al	Eco_al	Background
SS805893	Plutonium-239/240	0.13000	pCi/g	--	50.00000	3800.00000	0.06600
SS805893	Uranium 235	0.12000	pCi/g	--	8.00000	1900.00000	0.09000

Location	Start_dept	End_depth	Analyte	Result	Unit	DI	Wrw_al	Eco_al	Background
CJ45-006	1.00000	1.00000	Americium-241	15.00000	pCi/g	0.87163	76.00000	1900	0.02
CJ45-006	1.00000	1.00000	Cadmium	7.30000	mg/kg	0.04000	962.00000	-	1.7
CJ45-006	1.00000	1.00000	Plutonium-239/240	0.91300	pCi/g	0.08260	50.00000	3800	0.02

Location	Analyte	Result	Result_uni	DI	Wrw_al	Eco_al	Background
SS7790399	Americium-241	40080.00000	pCi/g	110.00000	76.00000	1900.00000	0.02270
SS7790399	Plutonium-239/240	97320.00000	pCi/g	111.00000	50.00000	3800.00000	0.06599
SS7790399	Uranium-235	0.28000	pCi/g	0.20400	8.00000	1900.00000	0.09390

Location	Start_dept	End_depth	Analyte	Result	Unit	DI	Wrw_al	Eco_al	Background
CJ45-007	1.00000	1.00000	Copper	62.00000	mg/kg	0.20000	40900.00000	-	38.21
CJ45-007	1.00000	1.00000	Plutonium-239/240	0.08100	pCi/g	0.07210	50.00000	3800	0.02
CJ45-007	1.00000	1.00000	Uranium-235	0.29000	pCi/g	0.18524	8.00000	1900	0.12
CJ45-007	1.00000	1.00000	Uranium-238	2.90000	pCi/g	1.91669	351.00000	1600	1.49

Location	Analyte	Result	Result_uni	DI	Wrw_al	Eco_al	Background
779 SW	Americium-241	79.40000	pCi/g	0.22600	76.00000	1900.00000	0.02270
779 SW	Plutonium-239/240	186.00000	pCi/g	0.08500	50.00000	3800.00000	0.06599
779 SW	Uranium-235	0.11400	pCi/g	0.10300	8.00000	1900.00000	0.09390
779 SW	Uranium-238	12.80000	pCi/g	0.08300	351.00000	1600.00000	2.00000

Location	Start_dept	End_depth	Analyte	Result	Unit	DI	Wrw_al	Eco_al	Background
CJ45-009	1.00000	1.00000	Americium-241	2.00000	pCi/g	0.55308	76.00000	1900	0.02
CJ45-009	1.00000	1.00000	Cadmium	1.80000	mg/kg	0.03900	962.00000	-	1.7
CJ45-009	1.00000	1.00000	Plutonium-239/240	4.00000	pCi/g	0.08470	50.00000	3800	0.02
CJ45-009	1.00000	1.00000	Uranium-238	4.10000	pCi/g	1.95888	351.00000	1600	1.49

Location	Analyte	Result	Result_uni	DI	Wrw_al	Eco_al	Background
779 NE	Americium-241	81.50000	pCi/g	0.19100	76.00000	1900.00000	0.02270
779 NE	Plutonium-239/240	319.00000	pCi/g	0.09700	50.00000	3800.00000	0.06599
779 NE	Uranium-235	0.12000	pCi/g	0.05400	8.00000	1900.00000	0.09390
779 NE	Uranium-238	5.35000	pCi/g	0.04400	351.00000	1600.00000	2.00000

Location	Start_dept	End_depth	Analyte	Result	Unit	DI	Wrw_al	Eco_al	Background
CJ45-008	1.00000	1.00000	Plutonium-239/240	0.56700	pCi/g	0.14800	50.00000	3800	0.02

Location	Analyte	Result	Unit	DI	Wrw_al	Eco_al	Background
PCB-29	Aroclor-1260	680000.00000	ug/kg	160	12400.00000	--	--

Location	Start_dept	End_depth	Analyte	Result	Unit	DI	Wrw_al	Eco_al	Background
CJ45-005	1.00000	1.00000	Americium-241	13.50000	pCi/g	0.33700	76.00000	1900	0.02
CJ45-005	1.00000	1.00000	Cadmium	7.70000	mg/kg	0.04000	962.00000	-	1.7
CJ45-005	1.00000	1.00000	Plutonium-239/240	3.72000	pCi/g	0.10600	50.00000	3800	0.02
CJ45-005	1.00000	1.00000	Uranium-235	0.22000	pCi/g	0.12606	8.00000	1900	0.12

Location	Analyte	Result	Unit	DI	Wrw_al	Eco_al	Background
PCB-29	Americium-241	19.43000	pCi/g	--	76.00000	1900.00000	0.02000
PCB-29	Plutonium-239/240	8.85700	pCi/g	--	50.00000	3800.00000	0.06600
PCB-29	Uranium-235	0.09712	pCi/g	--	8.00000	1900.00000	0.09000

Location	Analyte	Result	Unit	DI	Wrw_al	Eco_al	Background
SS481194	Aroclor-1260	21000.00000	ug/kg	160	12400.00000	--	--

Location	Analyte	Result	Unit	DI	Wrw_al	Eco_al	Background
SS481194	Americium-241	1.73200	pCi/g	--	76.00000	1900.00000	0.02000
SS481194	Plutonium-239/240	8.10800	pCi/g	--	50.00000	3800.00000	0.06600

KEY

- Surface Soil Location with an AL Exceedance
- Subsurface Location without AL Exceedance
- Surface Location without AL Exceedance
- Locations with concentrations less than background means or detection limits

- PAC 700-1105
- Tanks
- OPWL
- NPWL
- IHSS 138
- IHSS 150.6
- IHSS 150.8
- UBC 779
- Storm Line
- Sewer Line
- Demolished Bldg
- Standing Bldg
- Paved Road
- Dirt Road

N W E S

100 0 100 Feet

Scale = 1:1,500

State Plane Coordinate Projection
Colorado Central Zone
Datum: NAD 27

U.S. Department of Energy
Rocky Flats Environmental Technology Site

Prepared by: RADMS

Prepared for: KAISER•HILL COMPANY

File: 700-7 Char-gk.apr Date: 07/25/03

Table 2
Potential Contaminants of Concern

IHSS Group	IHSS/PAC/UBC Site	PCOCs	Media	Sources	Sampling Type
700-7	UBC 779, Main Plutonium Components Production Facility	Radionuclides Metals SVOCs VOCs	Soil Beneath Bldg 779 Slab, including under/adjacent to pits, OPWLs, OPWL Cleanouts, Sanitary Drains, Trenches, and Release Site	HRRss (DOE 1992-2002) Process knowledge (IA Data Summary [DOE 2000a] and IASAP [DOE 2001]) Decommissioning Closeout Report (DOE 2000b)	Biased locations
	IHSS 700-138, Bldg 779 Cooling Tower Blow-down	Radionuclides Metals	Surface and Subsurface Soil Near Cooling Tower Slabs	HRRs (DOE 1992-2002) Process knowledge (IASAP [DOE 2001])	Biased locations
	IHSS 700-150.6, Radioactive Site South of Bldg 779	Radionuclides Metals SVOCs VOCs	Surface and Subsurface Soil Associated With Historical Activities	HRRs (DOE 1992-2002) Process knowledge (IASAP [DOE 2001]) OU 8 Data Summary (DOE 1995)	No additional sampling based on existing data (DOE 1995)
	IHSS 700-150.8, Radioactive Site East of Bldg 779	Radionuclides Metals SVOCs VOCs	Surface and Subsurface Soil Associated With Historical Activities	HRRs (DOE 1992-2002) Process knowledge (IASAP [DOE 2001]) OU 8 Data Summary (DOE 1995)	No additional sampling based on existing data (DOE 1995)
	PAC 700-1105, Transformer Leak – 779-1/779-2	PCBs Radionuclides	Surface and Subsurface Soil Around Two Transformer Slabs	HRRs (DOE 1992-2002) Process knowledge (IASAP [DOE 2001])	Biased locations
	IHSS 000-121, Tanks 19, 20, and 38 -OPWL	Radionuclides Metals SVOCs VOCs	Subsurface Soil Under Bldg 779 Basement Slab	HRRs (DOE 1992-2002) Process knowledge (IASAP [DOE 2001])	Biased locations
	IHSS 000-121 OPWLs, including IHSS 700-149.2	Radionuclides Metals VOCs	Subsurface Soil Adjacent and Below Lines	HRRs (DOE 1992-2002) Process knowledge (IASAP [DOE 2001])	Biased locations
	Portion of IHSS 000-101, Solar Evaporation Ponds	Radionuclides Metals VOCs	Surface and Subsurface Soil	HRRs (DOE 1992-2002) Process knowledge (IASAP [DOE 2001])	Statistical grid and biased locations

Table 3
Reported or Suspected OPWL Leaks

Leak Designation	Pipe Description	Depth	Leak Description	IHSS Group	Addendum	Sampling Location[a]
P-36/37/38 (IHSS 700-149.2)	3-inch PVC and stainless steel/3-inch steel, PVC, and vitrified clay/6- and 10-inch vitrified clay pipe	Approximately 3 to 5 feet	Leak suspected at pipe joint	700-7	IA-03-15	CJ46-005
P-38	6- and 10-inch vitrified clay pipe	Approximately 3 to 5 feet	Leak suspected in line segment	700-7	IA-03-15	CI46-000 CI46-001
P-42	3-inch cast-iron or stainless steel pipe	Approximately 3.5 feet	Area around Building 779 was reported to have a pipeline release	700-7	IA-03-15	CH45-001 CH46-011 CH46-012 CH46-013

[a] – refer to Figure 3.

Building 779 was demolished to its main foundation slab during FY00. The remaining slab contains an extensive network of OPWLs (process waste piping), process waste trenches, sanitary drains, and various branch connections from site utilities (see Figures 3 and 4). Several pits also exist below the slab, including:

- Four pits (1A, 2A, 2B, and the T5 tank pit) located in the basement area, which is approximately 29 feet long by 20 feet wide by 20 feet deep;
- Two elevator shafts (approximately 6 feet long by 7 feet wide by 3 feet deep);
- One plenum deluge drain pit (approximately 6 feet long by 4 feet wide by 4 feet deep); and
- A pump pit (approximately 6 feet long by 4 feet wide by 4 feet deep).

During the demolition project, most of the 779 slab was decontaminated to levels less than the surface contamination guidelines specified in Table 7-1 of U.S. Department of Energy (DOE) Order 5400.5, Radiation Protection of the Public and Environment. Fixed contamination above the surface contamination guidelines exists in isolated areas on the basement floor and within the paint/wall matrix of the south basement wall (DOE 2000b). A radiological survey of the T5 tank pit also indicated total surface contamination is present on the floors and northern pit wall at levels in excess of the guidelines (up to 992 disintegrations per minute per 100 square centimeters [dpm/100 cm^2). Contaminated process waste drains penetrating the foundation slabs were filled to grade with grout. Pipe and conduit openings in the building slab were plugged and grouted at the foundation level. Note that the process waste drains and lines beneath the 779 slab were not cleaned or rinsed prior to filling the drains with grout.

A 35-foot by 2.5-foot area of concrete slab was removed to soil at the northern sides of Rooms 126, 131, and 133. Soil samples were collected from beneath the concrete prior to backfilling the area with grout. Plutonium-239/240 was detected in soil at activities of up to 97,320 picocuries per gram (pCi/g). No soil remediation was conducted.

Dielectric fluid containing polychlorinated biphenyls (PCBs) leaked from Transformers 779-1 and 779-2, formerly located on the northeastern side of 779 adjacent to the southern side of the 779 loading dock. Surface soil samples were collected at six locations around the transformer pads for PCB and isotopic analyses. Aroclor-1260 was detected in all six samples, from 15 to 680 milligrams per kilogram (mg/kg). Plutonium-239/240 was detected in all samples; the highest activity was 115 pCi/g.

The IHSS 000-121 tanks (Tanks 19, 20, and 38) are reportedly located within the Building 779 basement area. Tank 19 consists of two 1,000-gallon concrete sumps, Tank 20 consists of two 8,000-gallon concrete sumps, and Tank 38 is a 1,000-gallon steel tank associated with the process waste system. No existing data on these tanks are available, and no specific references to these tanks were found in the HRR documents, the Building 779 Decommissioning Closeout Report, or the engineering drawings reviewed for developing this IASAP Addendum. The locations of these tanks will be verified when the basement is opened at the time of remediation.

Figure 3
FY04 Sampling Locations for IHSS Group 700-7 (UBC 779, IHSS 700-138, IHSS 700-150.6, IHSS 700-150.8, PAC 700-1105, and OPWL Tanks 19, 20 & 38)

2084100 2084200 2084300 2084400 2084500 2084600

750700 750600 750500 750400

Approximate Location of Former Auxiliary Pond 2

149.2

779

700-1105

150.8

150.6

138

OPWL Cleanouts

Elevator Pit

Pit

Sanitary Drains

Rm 131/133 Release Area

Transformer Pads

Building 782 Pit

CH46-031 CH46-029 CH46-001 CH46-008 CH46-030 CH46-028 CH46-013 CH46-007 CH46-012 CH46-022 CH46-020 CH46-021 CH46-006 CH46-026 CH46-027 CH46-024 CH46-023 CH46-017 CH46-019 CH46-005 CH46-011 CH46-002 CH46-018 CH46-008 CH45-011 CH45-015 CH45-013 CH45-057 CH45-058 CH45-001 CH45-059 CH45-060 CH45-029 CH45-066 CH45-031 CH45-061 CH45-067 CH45-062 CH45-064 CH45-065 CH45-063 CH45-028 CH45-017 CH45-007

CI46-014 CI46-020 CI46-010 CI46-017 CI46-000 CI46-001 CI46-008 CI46-013 CI46-009 CI46-016 CI46-012 CI46-015 CI46-011 CI46-026 CI46-027 CI46-028 CI46-029 CI45-001 CI45-000 CI45-003 CI45-002 CI45-005 CI45-004 CI45-017 CI45-012 CI45-006 CI45-013 CI45-007

CJ46-021 CJ46-016 CJ46-005 CJ46-020 CJ46-015 CJ46-019 CJ46-014 CJ46-018 CJ46-025 CJ46-011 CJ46-010 CJ46-024 CJ46-019 CJ45-011 CJ45-010 CJ45-015 CJ45-018 CJ45-014 CJ45-017 CJ45-013 CJ45-016 CJ45-012 CJ45-020 CJ45-021

CI46-022 CI46-018 CI46-021 CI46-025 CI46-024

CI45-014

KEY

- Biased Sampling Location
- Statistical Sampling Location
- UBC 779
- IHSS
- PAC
- Transferred Portion of IHSS 000-101
- Approximate location of Auxiliary Pond 2
- Trench
- Original Waste Process Line
- New Process Waste Line
- Storm drain
- Sewer line
- Paved area
- Dirt road
- Streams
- Demolished building
- Standing building
- Solar Pond AOC

N W E S

20 0 20 40 60 Feet

Scale = 1:550

State Plane Coordinate Projection
Colorado Central Zone
Datum: NAD 27

U.S. Department of Energy
Rocky Flats Environmental Technology Site

Prepared by: RADMS

Prepared for: KAISER-HILL COMPANY

File: characterization-gk.apr Date: 09/15/03

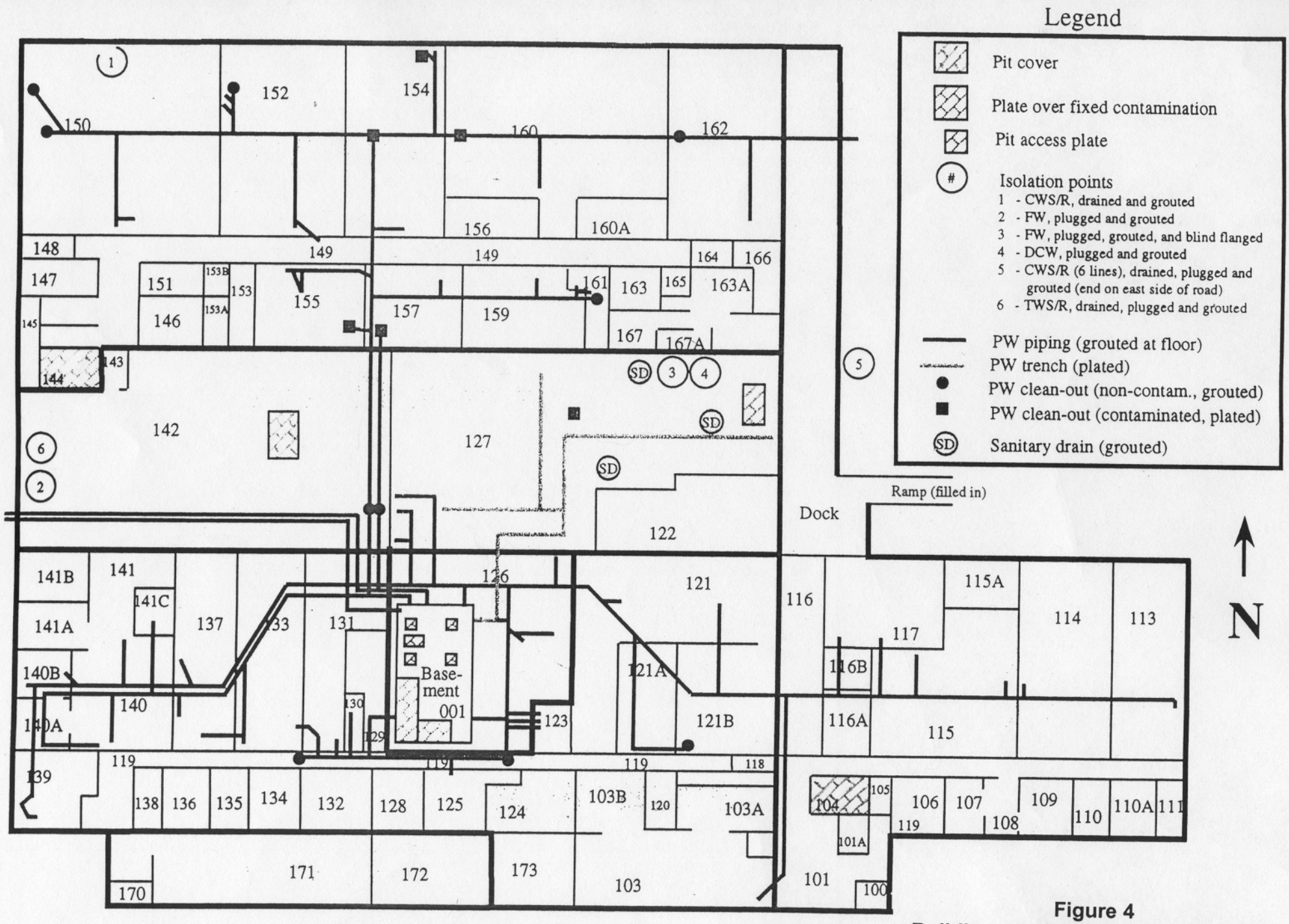


Figure 4
Building 779 Foundation Slab Details

A portion of IHSS 000-101 has been transferred to IHSS Group 700-7. This area includes the areas north and east of UBC 779, as shown on Figure 3. The area east of UBC 779 was the former site of Auxiliary Solar Evaporation Pond 2, which was removed in 1962 (DOE 2002). OPWL P-36, P-37 and P-38 traverse the area, as shown in Figure 3. Cooling tower foundation slabs (Buildings 784, 785, and 786) also occupy this area.

One 500-gallon diesel underground storage tank (UST) is located immediately south of the former 779 loading dock area, and one 3,000-gallon diesel UST is located adjacent to the western side of the 727 foundation slab. Both tanks were closed in-place in 1997 using polyurethane foam (DOE 1998). Soil samples were collected from Geoprobe® soil borings placed near the tanks. The soil samples were analyzed for total petroleum hydrocarbon (TPH) concentrations using approved immunoassay field test methods. TPH was not detected above 5,000 mg/kg in any of the soil samples (DOE 1998).

3.0 SAMPLING

The proposed sampling and analysis specifications for each IHSS, PAC, and UBC Site are summarized in Table 4 and listed, by sampling location, in Table 5. The proposed sampling locations are shown on Figure 3. After characterization starts, the number and type of samples may change based on field conditions and/or sampling results. Changes to sampling specifications will be considered in consultation with the regulatory agencies.

Table 4
Sampling and Analysis Summary

Category	Total
Number of Sampling Locations	100
Number of Samples	233
Number of Radionuclide Analyses	233
Number of Metal Analyses	233
Number of VOC Analyses	175
Number of SVOC Analyses	17
Number of PCB Analyses	18

Three types of sampling strategies are used to determine sampling locations: statistical, geostatistical, and biased. Statistical grids have computer-generated random start points and orientations. The standard statistical grid size (i.e., the length between grid points) is 36 feet; however, the grid size for UBC Sites is 72 feet. Additionally, the statistical grids have been extended outside the IHSS, PAC, or UBC Site to provide additional sampling locations if needed. Biased samples supplement the statistical grid locations. Biased sampling locations within a building foundation footprint may be adjusted in the field to better collect samples from specific building features (e.g., Building 779 basement, pits, tunnels, and trenches). Geostatistical methods were not used at IHSS Group 700-7.

UBC 779 will be characterized using biased sampling locations. Areas adjacent to OPWLs, OPWL cleanouts, trenches, pits, and sanitary drains will be sampled. The proposed sampling intervals associated with UBC 779 OPWLs, trenches, pits and drains are based on the estimated depths of these structures. Actual intervals will be based on the actual depths observed during remediation. Samples will also be collected from

beneath the basement area pits and from soil on the northern side of Rooms 126, 131, and 133.

Other biased sampling locations include the Building 782 pit, PAC 700-1105, IHSS 700-138, the transferred portion of IHSS 000-101, and locations along the OPWL outside UBC 779 (including IHSS 700-149.2). The PAC 700-1105 biased samples will be collected adjacent to two concrete transformer pads, which are located south of the former Building 779 dock and ramp area, and under any recently placed fill material. Biased subsurface soil samples will be collected under the southern part of IHSS 700-138 where surface soil samples, associated with an underground cooling tower water line, were previously collected. The depth of the water line is estimated to be 5 to 6 feet below the surface.

Based upon the existing data for IHSS 150.6 and IHSS 150.8 presented on Figure 2, no additional surface soil samples will be collected for characterization purposes within these IHSSs. Ten locations were sampled, and all analytical results were less than the RFCA action levels (ALs), with one exception. The lead concentration at location SS809293 was 32.2 mg/kg, and the ecological receptor AL is 25.6 mg/kg. However, the lead concentration is below the background mean plus two standard deviations. A No Further Accelerated Action (NFAA) recommendation with these historical data is presented in the 2003 HRR Annual Update. Because the northern section of IHSS 150.8 is located within the boundary of the removed Auxiliary Solar Evaporation Pond 2, four biased subsurface soil samples will be collected in this area, as well as one just to the north.

Samples based on statistical sampling locations will be collected from the portion of IHSS 000-101, including the Building 782 slab, located within IHSS Group 700-7. Surface soil samples will be collected from an area north of 779 (in the transferred portion of IHSS 000-101 that is not over the former location of Auxiliary Solar Evaporation Pond 2; refer to Figure 3). Subsurface soils will not be collected because no subsurface sources of soil contamination are suspected in the area and no surface releases of contaminants that could have caused subsurface soil contamination are known to have occurred.

Surface and subsurface soil samples will be collected from an area to the east and north of 779, based upon process knowledge and the former location of Auxiliary Solar Evaporation Pond 2. This area also includes the cooling tower slabs and IHSS 700-138. Because pond depths are between 8 and 10 feet below grade, several sampling locations will be sampled down to 10.5 feet below the surface.

Surface and subsurface soil samples will be taken from the transferred portion of IHSS 000-101 south of the former location of Auxiliary Solar Evaporation Pond 2, including under the Building 782 slab. Because contaminated groundwater has been identified within the Building 782 pit, subsurface soil samples will be collected under and adjacent to the pit down to 2.5 feet below grade.

Water encountered in lines and pits, including pits associated with the 779, 782 and 783 slabs, will be sampled and disposed of in accordance with Site procedures and the Facility Disposition RSOP (DOE 2000c). Analytical results will be discussed in the

closeout report for this project. Removed concrete will also be characterized in accordance with Site procedures and the Facility Disposition RSOP.

4.0 REFERENCES

DOE, 1995, Operable Unit 8 Data Summary Report, Rocky Mountain Remediation Services, Rocky Flats Environmental Technology Site, Golden, Colorado, September.

DOE, 1998, Closure Report Design-Build Underground Storage Tank Replacement Project, Rocky Flats Environmental Technology Site, Golden, Colorado, April.

DOE, 2000a, Rocky Flats Environmental Technology Site Industrial Area Data Summary Report, Golden, Colorado, September.

DOE, 2000b, Decommissioning Closeout Report for the 779 Closure Project, Revision 0, Rocky Flats Environmental Technology Site, Golden, Colorado, April.

DOE, 2000c, RFCA Standard Operating Protocol for Facility Disposition, Rocky Flats Environmental Technology Site, Golden, Colorado, August.

DOE, 1992-2002, Historical Release Reports for the Rocky Flats Plant, Golden, Colorado.

DOE, 2001, Industrial Area Sampling and Analysis Plan, Rocky Flats Environmental Technology Site, Golden, Colorado, June.

DOE, 2002, Final Proposed Action Memorandum for IHSS 101 and RCRA Closure of the RFETS Solar Evaporation Ponds, Rocky Flats Environmental Technology Site, Golden, Colorado, December.

DOE, 2003, Draft Environmental Restoration RFCA Standard Operating Protocol Modification, Rocky Flats Environmental Technology Site, Golden, Colorado, June.

DOE, CDPHE, and EPA, 2003, Modifications to the Rocky Flats Cleanup Agreement Attachments, Rocky Flats Environmental Technology Site, Golden, Colorado, June.

Table 5
Sampling Specifications for IHSS Group 700-7

IHSS Group	IHSS/PAC/UBC	Location	Easting	Northing	Media	Depth Interval	Analyte	On-Site Laboratory Method	Off-Site Laboratory Method
700-7	UBC 779 Basement Pits	CH45-061	2084290.341	750505.513	Subsurface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CH45-061	2084290.341	750505.513	Subsurface Soil	0 - 0.5'	Metals	6200	6010
		CH45-061	2084290.341	750505.513	Subsurface Soil	0 - 0.5'	SVOCs	N/A	8270
		CH45-061	2084290.341	750505.513	Subsurface Soil	0 - 0.5'	VOCs	8260	8260
		CH45-062	2084300.966	750505.735	Subsurface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CH45-062	2084300.966	750505.735	Subsurface Soil	0 - 0.5'	Metals	6200	6010
		CH45-062	2084300.966	750505.735	Subsurface Soil	0 - 0.5'	SVOCs	N/A	8270
		CH45-062	2084300.966	750505.735	Subsurface Soil	0 - 0.5'	VOCs	8260	8260
		CH45-063	2084290.12	750488.027	Subsurface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CH45-063	2084290.12	750488.027	Subsurface Soil	0 - 0.5'	Metals	6200	6010
		CH45-063	2084290.12	750488.027	Subsurface Soil	0 - 0.5'	SVOCs	N/A	8270
		CH45-063	2084290.12	750488.027	Subsurface Soil	0 - 0.5'	VOCs	8260	8260
		CH45-064	2084301.187	750488.027	Subsurface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CH45-064	2084301.187	750488.027	Subsurface Soil	0 - 0.5'	Metals	6200	6010
		CH45-064	2084301.187	750488.027	Subsurface Soil	0 - 0.5'	SVOCs	N/A	8270
		CH45-064	2084301.187	750488.027	Subsurface Soil	0 - 0.5'	VOCs	8260	8260
		CH45-065	2084295.432	750496.881	Subsurface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CH45-065	2084295.432	750496.881	Subsurface Soil	0 - 0.5'	Metals	6200	6010
		CH45-065	2084295.432	750496.881	Subsurface Soil	0 - 0.5'	SVOCs	N/A	8270
		CH45-065	2084295.432	750496.881	Subsurface Soil	0 - 0.5'	VOCs	8260	8260
		CH45-066	2084303.766	750496.848	Subsurface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CH45-066	2084303.766	750496.848	Subsurface Soil	0 - 0.5'	Metals	6200	6010
		CH45-066	2084303.766	750496.848	Subsurface Soil	0 - 0.5'	SVOCs	N/A	8270
		CH45-066	2084303.766	750496.848	Subsurface Soil	0 - 0.5'	VOCs	8260	8260
		CH45-066	2084303.766	750496.848	Subsurface Soil	0.5 – 2.5’	Radionuclides	HPGe	Alpha Spec
		CH45-066	2084303.766	750496.848	Subsurface Soil	0.5 – 2.5’	Metals	6200	6010
		CH45-066	2084303.766	750496.848	Subsurface Soil	0.5 – 2.5’	SVOCs	N/A	8270
		CH45-066	2084303.766	750496.848	Subsurface Soil	0.5 – 2.5’	VOCs	8260	8260
		CH45-066	2084303.766	750496.848	Subsurface Soil	2.5 – 4.5’	Radionuclides	HPGe	Alpha Spec
		CH45-066	2084303.766	750496.848	Subsurface Soil	2.5 – 4.5’	Metals	6200	6010

IHSS Group	IHSS/PAC/UBC	Location	Easting	Northing	Media	Depth Interval	Analyte	On-Site Laboratory Method	Off-Site Laboratory Method
		CH45-066	2084303.766	750496.848	Subsurface Soil	2.5 – 4.5’	SVOCs	N/A	8270
		CH45-066	2084303.766	750496.848	Subsurface Soil	2.5 – 4.5’	VOCs	8260	8260
		CH45-066	2084303.766	750496.848	Subsurface Soil	4.5 – 6.5’	Radionuclides	HPGe	Alpha Spec
		CH45-066	2084303.766	750496.848	Subsurface Soil	4.5 – 6.5’	Metals	6200	6010
		CH45-066	2084303.766	750496.848	Subsurface Soil	4.5 – 6.5’	SVOCs	N/A	8270
		CH45-066	2084303.766	750496.848	Subsurface Soil	4.5 – 6.5’	VOCs	8260	8260
		CH45-067	2084285.776	750482.267	Subsurface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CH45-067	2084285.776	750482.267	Subsurface Soil	0 - 0.5'	Metals	6200	6010
		CH45-067	2084285.776	750482.267	Subsurface Soil	0 - 0.5'	SVOCs	N/A	8270
		CH45-067	2084285.776	750482.267	Subsurface Soil	0 - 0.5'	VOCs	8260	8260
		CH45-067	2084285.776	750482.267	Subsurface Soil	0.5 – 2.5’	Radionuclides	HPGe	Alpha Spec
		CH45-067	2084285.776	750482.267	Subsurface Soil	0.5 – 2.5’	Metals	6200	6010
		CH45-067	2084285.776	750482.267	Subsurface Soil	0.5 – 2.5’	SVOCs	N/A	8270
		CH45-067	2084285.776	750482.267	Subsurface Soil	0.5 – 2.5’	VOCs	8260	8260
		CH45-067	2084285.776	750482.267	Subsurface Soil	2.5 – 4.5’	Radionuclides	HPGe	Alpha Spec
		CH45-067	2084285.776	750482.267	Subsurface Soil	2.5 – 4.5’	Metals	6200	6010
		CH45-067	2084285.776	750482.267	Subsurface Soil	2.5 – 4.5’	SVOCs	N/A	8270
		CH45-067	2084285.776	750482.267	Subsurface Soil	2.5 – 4.5’	VOCs	8260	8260
		CH45-067	2084285.776	750482.267	Subsurface Soil	4.5 – 6.5’	Radionuclides	HPGe	Alpha Spec
		CH45-067	2084285.776	750482.267	Subsurface Soil	4.5 – 6.5’	Metals	6200	6010
		CH45-067	2084285.776	750482.267	Subsurface Soil	4.5 – 6.5’	SVOCs	N/A	8270
		CH45-067	2084285.776	750482.267	Subsurface Soil	4.5 – 6.5’	VOCs	8260	8260
	UBC 779 Elevator Pit	CH46-017	2084215.736	750583.906	Subsurface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CH46-017	2084215.736	750583.906	Subsurface Soil	0 - 0.5'	Metals	6200	6010
		CH46-017	2084215.736	750583.906	Subsurface Soil	0 - 0.5'	SVOCs	N/A	8270
		CH46-017	2084215.736	750583.906	Subsurface Soil	0 - 0.5'	VOCs	8260	8260
		CI45-006	2084377.567	750470.307	Subsurface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CI45-006	2084377.567	750470.307	Subsurface Soil	0 - 0.5'	Metals	6200	6010
		CI45-006	2084377.567	750470.307	Subsurface Soil	0 - 0.5'	SVOCs	N/A	8270
		CI45-006	2084377.567	750470.307	Subsurface Soil	0 - 0.5'	VOCs	8260	8260
	UBC 779 OPWL Cleanout	CH46-020	2084294.841	750629.467	Subsurface Soil	0 - 0.5	Radionuclides	HPGe	Alpha Spec
		CH46-020	2084294.841	750629.467	Subsurface Soil	0 - 0.5	Metals	6200	6010
		CH46-020	2084294.841	750629.467	Subsurface Soil	0 - 0.5	VOCs	8260	8260

IHSS Group	IHSS/PAC/UBC	Location	Easting	Northing	Media	Depth Interval	Analyte	On-Site Laboratory Method	Off-Site Laboratory Method
		CH46-021	2084283.68	750630.124	Subsurface Soil	0 - 0.5	Radionuclides	HPGe	Alpha Spec
		CH46-021	2084283.68	750630.124	Subsurface Soil	0 - 0.5	Metals	6200	6010
		CH46-021	2084283.68	750630.124	Subsurface Soil	0 - 0.5	VOCs	8260	8260
		CH46-022	2084286.306	750652.445	Subsurface Soil	0 - 0.5	Radionuclides	HPGe	Alpha Spec
		CH46-022	2084286.306	750652.445	Subsurface Soil	0 - 0.5	Metals	6200	6010
		CH46-022	2084286.306	750652.445	Subsurface Soil	0 - 0.5	VOCs	8260	8260
		CH46-023	2084288.275	750591.39	Subsurface Soil	0 - 0.5	Radionuclides	HPGe	Alpha Spec
		CH46-023	2084288.275	750591.39	Subsurface Soil	0 - 0.5	Metals	6200	6010
		CH46-023	2084288.275	750591.39	Subsurface Soil	0 - 0.5	VOCs	8260	8260
		CH46-024	2084279.741	750592.703	Subsurface Soil	0 - 0.5	Radionuclides	HPGe	Alpha Spec
		CH46-024	2084279.741	750592.703	Subsurface Soil	0 - 0.5	Metals	6200	6010
		CH46-024	2084279.741	750592.703	Subsurface Soil	0 - 0.5	VOCs	8260	8260
	UBC 779 OPWL Under Slab	CH45-028	2084230.366	750477.146	Subsurface Soil	0 - 0.5	Radionuclides	HPGe	Alpha Spec
		CH45-028	2084230.366	750477.146	Subsurface Soil	0 - 0.5	Metals	6200	6010
		CH45-028	2084230.366	750477.146	Subsurface Soil	0 - 0.5	VOCs	8260	8260
		CH45-028	2084230.366	750477.146	Subsurface Soil	0.5 - 2.5	Radionuclides	HPGe	Alpha Spec
		CH45-028	2084230.366	750477.146	Subsurface Soil	0.5 - 2.5	Metals	6200	6010
		CH45-028	2084230.366	750477.146	Subsurface Soil	0.5 - 2.5	VOCs	8260	8260
		CH45-028	2084230.366	750477.146	Subsurface Soil	2.5 - 4.5	Radionuclides	HPGe	Alpha Spec
		CH45-028	2084230.366	750477.146	Subsurface Soil	2.5 - 4.5	Metals	6200	6010
		CH45-028	2084230.366	750477.146	Subsurface Soil	2.5 - 4.5	VOCs	8260	8260
		CH45-028	2084230.366	750477.146	Subsurface Soil	4.5 - 6.5	Radionuclides	HPGe	Alpha Spec
		CH45-028	2084230.366	750477.146	Subsurface Soil	4.5 - 6.5	Metals	6200	6010
		CH45-028	2084230.366	750477.146	Subsurface Soil	4.5 - 6.5	VOCs	8260	8260
		CH45-029	2084268.56	750501.451	Subsurface Soil	0 - 0.5	Radionuclides	HPGe	Alpha Spec
		CH45-029	2084268.56	750501.451	Subsurface Soil	0 - 0.5	Metals	6200	6010
		CH45-029	2084268.56	750501.451	Subsurface Soil	0 - 0.5	VOCs	8260	8260
		CH45-029	2084268.56	750501.451	Subsurface Soil	0.5 - 2.5	Radionuclides	HPGe	Alpha Spec
		CH45-029	2084268.56	750501.451	Subsurface Soil	0.5 - 2.5	Metals	6200	6010
		CH45-029	2084268.56	750501.451	Subsurface Soil	0.5 - 2.5	VOCs	8260	8260
		CH45-029	2084268.56	750501.451	Subsurface Soil	2.5 - 4.5	Radionuclides	HPGe	Alpha Spec
		CH45-029	2084268.56	750501.451	Subsurface Soil	2.5 - 4.5	Metals	6200	6010
		CH45-029	2084268.56	750501.451	Subsurface Soil	2.5 - 4.5	VOCs	8260	8260

IHSS Group	IHSS/PAC/UBC	Location	Easting	Northing	Media	Depth Interval	Analyte	On-Site Laboratory Method	Off-Site Laboratory Method
		CH45-029	2084268.56	750501.451	Subsurface Soil	4.5 - 6.5	Radionuclides	HPGe	Alpha Spec
		CH45-029	2084268.56	750501.451	Subsurface Soil	4.5 - 6.5	Metals	6200	6010
		CH45-029	2084268.56	750501.451	Subsurface Soil	4.5 - 6.5	VOCs	8260	8260
		CH45-031	2084332.796	750497.111	Subsurface Soil	0 - 0.5	Radionuclides	HPGe	Alpha Spec
		CH45-031	2084332.796	750497.111	Subsurface Soil	0 - 0.5	Metals	6200	6010
		CH45-031	2084332.796	750497.111	Subsurface Soil	0 - 0.5	VOCs	8260	8260
		CH45-031	2084332.796	750497.111	Subsurface Soil	0.5 - 2.5	Radionuclides	HPGe	Alpha Spec
		CH45-031	2084332.796	750497.111	Subsurface Soil	0.5 - 2.5	Metals	6200	6010
		CH45-031	2084332.796	750497.111	Subsurface Soil	0.5 - 2.5	VOCs	8260	8260
		CH45-031	2084332.796	750497.111	Subsurface Soil	2.5 - 4.5	Radionuclides	HPGe	Alpha Spec
		CH45-031	2084332.796	750497.111	Subsurface Soil	2.5 - 4.5	Metals	6200	6010
		CH45-031	2084332.796	750497.111	Subsurface Soil	2.5 - 4.5	VOCs	8260	8260
		CH45-031	2084332.796	750497.111	Subsurface Soil	4.5 - 6.5	Radionuclides	HPGe	Alpha Spec
		CH45-031	2084332.796	750497.111	Subsurface Soil	4.5 - 6.5	Metals	6200	6010
		CH45-031	2084332.796	750497.111	Subsurface Soil	4.5 - 6.5	VOCs	8260	8260
		CH46-026	2084224.289	750622.111	Subsurface Soil	0 - 0.5	Radionuclides	HPGe	Alpha Spec
		CH46-026	2084224.289	750622.111	Subsurface Soil	0 - 0.5	Metals	6200	6010
		CH46-026	2084224.289	750622.111	Subsurface Soil	0 - 0.5	VOCs	8260	8260
		CH46-026	2084224.289	750622.111	Subsurface Soil	0.5 - 2.5	Radionuclides	HPGe	Alpha Spec
		CH46-026	2084224.289	750622.111	Subsurface Soil	0.5 - 2.5	Metals	6200	6010
		CH46-026	2084224.289	750622.111	Subsurface Soil	0.5 - 2.5	VOCs	8260	8260
		CH46-026	2084224.289	750622.111	Subsurface Soil	2.5 - 4.5	Radionuclides	HPGe	Alpha Spec
		CH46-026	2084224.289	750622.111	Subsurface Soil	2.5 - 4.5	Metals	6200	6010
		CH46-026	2084224.289	750622.111	Subsurface Soil	2.5 - 4.5	VOCs	8260	8260
		CH46-026	2084224.289	750622.111	Subsurface Soil	4.5 - 6.5	Radionuclides	HPGe	Alpha Spec
		CH46-026	2084224.289	750622.111	Subsurface Soil	4.5 - 6.5	Metals	6200	6010
		CH46-026	2084224.289	750622.111	Subsurface Soil	4.5 - 6.5	VOCs	8260	8260
		CH46-027	2084288.525	750609.958	Subsurface Soil	0 - 0.5	Radionuclides	HPGe	Alpha Spec
		CH46-027	2084288.525	750609.958	Subsurface Soil	0 - 0.5	Metals	6200	6010
		CH46-027	2084288.525	750609.958	Subsurface Soil	0 - 0.5	VOCs	8260	8260
		CH46-027	2084288.525	750609.958	Subsurface Soil	0.5 - 2.5	Radionuclides	HPGe	Alpha Spec
		CH46-027	2084288.525	750609.958	Subsurface Soil	0.5 - 2.5	Metals	6200	6010
		CH46-027	2084288.525	750609.958	Subsurface Soil	0.5 - 2.5	VOCs	8260	8260

IHSS Group	IHSS/PAC/UBC	Location	Easting	Northing	Media	Depth Interval	Analyte	On-Site Laboratory Method	Off-Site Laboratory Method
		CH46-027	2084288.525	750609.958	Subsurface Soil	2.5 - 4.5	Radionuclides	HPGe	Alpha Spec
		CH46-027	2084288.525	750609.958	Subsurface Soil	2.5 - 4.5	Metals	6200	6010
		CH46-027	2084288.525	750609.958	Subsurface Soil	2.5 - 4.5	VOCs	8260	8260
		CH46-027	2084288.525	750609.958	Subsurface Soil	4.5 - 6.5	Radionuclides	HPGe	Alpha Spec
		CH46-027	2084288.525	750609.958	Subsurface Soil	4.5 - 6.5	Metals	6200	6010
		CH46-027	2084288.525	750609.958	Subsurface Soil	4.5 - 6.5	VOCs	8260	8260
		CI45-012	2084399.636	750495.375	Subsurface Soil	0 - 0.5	Radionuclides	HPGe	Alpha Spec
		CI45-012	2084399.636	750495.375	Subsurface Soil	0 - 0.5	Metals	6200	6010
		CI45-012	2084399.636	750495.375	Subsurface Soil	0 - 0.5	VOCs	8260	8260
		CI45-012	2084399.636	750495.375	Subsurface Soil	0.5 - 2.5	Radionuclides	HPGe	Alpha Spec
		CI45-012	2084399.636	750495.375	Subsurface Soil	0.5 - 2.5	Metals	6200	6010
		CI45-012	2084399.636	750495.375	Subsurface Soil	0.5 - 2.5	VOCs	8260	8260
		CI45-012	2084399.636	750495.375	Subsurface Soil	2.5 - 4.5	Radionuclides	HPGe	Alpha Spec
		CI45-012	2084399.636	750495.375	Subsurface Soil	2.5 - 4.5	Metals	6200	6010
		CI45-012	2084399.636	750495.375	Subsurface Soil	2.5 - 4.5	VOCs	8260	8260
		CI45-012	2084399.636	750495.375	Subsurface Soil	4.5 - 6.5	Radionuclides	HPGe	Alpha Spec
		CI45-012	2084399.636	750495.375	Subsurface Soil	4.5 - 6.5	Metals	6200	6010
		CI45-012	2084399.636	750495.375	Subsurface Soil	4.5 - 6.5	VOCs	8260	8260
		CI46-006	2084344.081	750633.396	Subsurface Soil	0 - 0.5	Radionuclides	HPGe	Alpha Spec
		CI46-006	2084344.081	750633.396	Subsurface Soil	0 - 0.5	Metals	6200	6010
		CI46-006	2084344.081	750633.396	Subsurface Soil	0 - 0.5	VOCs	8260	8260
		CI46-006	2084344.081	750633.396	Subsurface Soil	0.5 - 2.5	Radionuclides	HPGe	Alpha Spec
		CI46-006	2084344.081	750633.396	Subsurface Soil	0.5 - 2.5	Metals	6200	6010
		CI46-006	2084344.081	750633.396	Subsurface Soil	0.5 - 2.5	VOCs	8260	8260
		CI46-006	2084344.081	750633.396	Subsurface Soil	2.5 - 4.5	Radionuclides	HPGe	Alpha Spec
		CI46-006	2084344.081	750633.396	Subsurface Soil	2.5 - 4.5	Metals	6200	6010
		CI46-006	2084344.081	750633.396	Subsurface Soil	2.5 - 4.5	VOCs	8260	8260
		CI46-006	2084344.081	750633.396	Subsurface Soil	4.5 - 6.5	Radionuclides	HPGe	Alpha Spec
		CI46-006	2084344.081	750633.396	Subsurface Soil	4.5 - 6.5	Metals	6200	6010
		CI46-006	2084344.081	750633.396	Subsurface Soil	4.5 - 6.5	VOCs	8260	8260
	UBC 779 Pit Under Slab	CH45-011	2084267.776	750557.886	Subsurface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CH45-011	2084267.776	750557.886	Subsurface Soil	0 - 0.5'	Metals	6200	6010
		CH45-011	2084267.776	750557.886	Subsurface Soil	0 - 0.5'	SVOCs	N/A	8270

IHSS Group	IHSS/PAC/UBC	Location	Easting	Northing	Media	Depth Interval	Analyte	On-Site Laboratory Method	Off-Site Laboratory Method
		CH45-011	2084267.776	750557.886	Subsurface Soil	0 - 0.5'	VOCs	8260	8260
		CI46-002	2084361.066	750568.674	Subsurface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CI46-002	2084361.066	750568.674	Subsurface Soil	0 - 0.5'	Metals	6200	6010
		CI46-002	2084361.066	750568.674	Subsurface Soil	0 - 0.5'	SVOCs	N/A	8270
		CI46-002	2084361.066	750568.674	Subsurface Soil	0 - 0.5'	VOCs	8260	8260
	UBC 779 Rm 131/133 Release	CH45-057	2084240.317	750523.664	Subsurface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CH45-057	2084240.317	750523.664	Subsurface Soil	0 - 0.5'	Metals	6200	6010
		CH45-057	2084240.317	750523.664	Subsurface Soil	0 - 0.5'	VOCs	8260	8260
		CH45-057	2084240.317	750523.664	Subsurface Soil	0.5 - 2.5	Radionuclides	HPGe	Alpha Spec
		CH45-057	2084240.317	750523.664	Subsurface Soil	0.5 - 2.5	Metals	6200	6010
		CH45-057	2084240.317	750523.664	Subsurface Soil	0.5 - 2.5	VOCs	8260	8260
		CH45-058	2084251.827	750523.443	Subsurface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CH45-058	2084251.827	750523.443	Subsurface Soil	0 - 0.5'	Metals	6200	6010
		CH45-058	2084251.827	750523.443	Subsurface Soil	0 - 0.5'	VOCs	8260	8260
		CH45-058	2084251.827	750523.443	Subsurface Soil	0.5 - 2.5	Radionuclides	HPGe	Alpha Spec
		CH45-058	2084251.827	750523.443	Subsurface Soil	0.5 - 2.5	Metals	6200	6010
		CH45-058	2084251.827	750523.443	Subsurface Soil	0.5 - 2.5	VOCs	8260	8260
		CH45-059	2084300.966	750523	Subsurface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CH45-059	2084300.966	750523	Subsurface Soil	0 - 0.5'	Metals	6200	6010
		CH45-059	2084300.966	750523	Subsurface Soil	0 - 0.5'	VOCs	8260	8260
		CH45-059	2084300.966	750523	Subsurface Soil	0.5 - 2.5	Radionuclides	HPGe	Alpha Spec
		CH45-059	2084300.966	750523	Subsurface Soil	0.5 - 2.5	Metals	6200	6010
		CH45-059	2084300.966	750523	Subsurface Soil	0.5 - 2.5	VOCs	8260	8260
		CH45-060	2084314.026	750523	Subsurface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CH45-060	2084314.026	750523	Subsurface Soil	0 - 0.5'	Metals	6200	6010
		CH45-060	2084314.026	750523	Subsurface Soil	0 - 0.5'	VOCs	8260	8260
		CH45-060	2084314.026	750523	Subsurface Soil	0.5 - 2.5	Radionuclides	HPGe	Alpha Spec
		CH45-060	2084314.026	750523	Subsurface Soil	0.5 - 2.5	Metals	6200	6010
		CH45-060	2084314.026	750523	Subsurface Soil	0.5 - 2.5	VOCs	8260	8260
	UBC 779 Sanitary Drain	CI45-008	2084344.619	750551.869	Subsurface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CI45-008	2084344.619	750551.869	Subsurface Soil	0 - 0.5'	Metals	6200	6010
		CI45-008	2084344.619	750551.869	Subsurface Soil	0 - 0.5'	VOCs	8260	8260
		CI46-005	2084342.662	750585.134	Subsurface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec

IHSS Group	IHSS/PAC/UBC	Location	Easting	Northing	Media	Depth Interval	Analyte	On-Site Laboratory Method	Off-Site Laboratory Method
		CI46-005	2084342.662	750585.134	Subsurface Soil	0 - 0.5'	Metals	6200	6010
		CI46-005	2084342.662	750585.134	Subsurface Soil	0 - 0.5'	VOCs	8260	8260
	UBC 779 Trench	CH45-013	2084304.372	750529.319	Subsurface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CH45-013	2084304.372	750529.319	Subsurface Soil	0 - 0.5'	Metals	6200	6010
		CH45-013	2084304.372	750529.319	Subsurface Soil	0 - 0.5'	VOCs	8260	8260
		CH45-015	2084315.746	750540.152	Subsurface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CH45-015	2084315.746	750540.152	Subsurface Soil	0 - 0.5'	Metals	6200	6010
		CH45-015	2084315.746	750540.152	Subsurface Soil	0 - 0.5'	VOCs	8260	8260
		CH46-018	2084319.267	750564.796	Subsurface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CH46-018	2084319.267	750564.796	Subsurface Soil	0 - 0.5'	Metals	6200	6010
		CH46-018	2084319.267	750564.796	Subsurface Soil	0 - 0.5'	VOCs	8260	8260
		CH46-019	2084313.851	750582.127	Subsurface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CH46-019	2084313.851	750582.127	Subsurface Soil	0 - 0.5'	Metals	6200	6010
		CH46-019	2084313.851	750582.127	Subsurface Soil	0 - 0.5'	VOCs	8260	8260
	IHSS 700-138	CJ45-010	2084564.396	750545.133	Subsurface Soil	0.5 - 2.5	Radionuclides	HPGe	Alpha Spec
		CJ45-010	2084564.396	750545.133	Subsurface Soil	0.5 - 2.5	Metals	6200	6010
		CJ45-010	2084564.396	750545.133	Subsurface Soil	0.5 - 2.5	VOCs	8260	8260
		CJ45-010	2084564.396	750545.133	Subsurface Soil	2.5 - 4.5	Radionuclides	HPGe	Alpha Spec
		CJ45-010	2084564.396	750545.133	Subsurface Soil	2.5 - 4.5	Metals	6200	6010
		CJ45-010	2084564.396	750545.133	Subsurface Soil	2.5 - 4.5	VOCs	8260	8260
		CJ45-010	2084564.396	750545.133	Subsurface Soil	4.5 - 6.5	Radionuclides	HPGe	Alpha Spec
		CJ45-010	2084564.396	750545.133	Subsurface Soil	4.5 - 6.5	Metals	6200	6010
		CJ45-010	2084564.396	750545.133	Subsurface Soil	4.5 - 6.5	VOCs	8260	8260
		CJ45-011	2084541.517	750545.133	Subsurface Soil	0.5 - 2.5	Radionuclides	HPGe	Alpha Spec
		CJ45-011	2084541.517	750545.133	Subsurface Soil	0.5 - 2.5	Metals	6200	6010
		CJ45-011	2084541.517	750545.133	Subsurface Soil	0.5 - 2.5	VOCs	8260	8260
		CJ45-011	2084541.517	750545.133	Subsurface Soil	2.5 - 4.5	Radionuclides	HPGe	Alpha Spec
		CJ45-011	2084541.517	750545.133	Subsurface Soil	2.5 - 4.5	Metals	6200	6010
		CJ45-011	2084541.517	750545.133	Subsurface Soil	2.5 - 4.5	VOCs	8260	8260
		CJ45-011	2084541.517	750545.133	Subsurface Soil	4.5 - 6.5	Radionuclides	HPGe	Alpha Spec
		CJ45-011	2084541.517	750545.133	Subsurface Soil	4.5 - 6.5	Metals	6200	6010
		CJ45-011	2084541.517	750545.133	Subsurface Soil	4.5 - 6.5	VOCs	8260	8260
		CJ46-010	2084554.976	750578.779	Subsurface Soil	0.5 - 2.5	Radionuclides	HPGe	Alpha Spec

IHSS Group	IHSS/PAC/UBC	Location	Easting	Northing	Media	Depth Interval	Analyte	On-Site Laboratory Method	Off-Site Laboratory Method
		CJ46-010	2084554.976	750578.779	Subsurface Soil	0.5 - 2.5	Metals	6200	6010
		CJ46-010	2084554.976	750578.779	Subsurface Soil	0.5 - 2.5	VOCs	8260	8260
		CJ46-010	2084554.976	750578.779	Subsurface Soil	2.5 - 4.5	Radionuclides	HPGe	Alpha Spec
		CJ46-010	2084554.976	750578.779	Subsurface Soil	2.5 - 4.5	Metals	6200	6010
		CJ46-010	2084554.976	750578.779	Subsurface Soil	2.5 - 4.5	VOCs	8260	8260
		CJ46-010	2084554.976	750578.779	Subsurface Soil	4.5 - 4.5	Radionuclides	HPGe	Alpha Spec
		CJ46-010	2084554.976	750578.779	Subsurface Soil	4.5 - 6.5	Metals	6200	6010
		CJ46-010	2084554.976	750578.779	Subsurface Soil	4.5 - 6.5	VOCs	8260	8260
		CJ46-011	2084580.547	750577.882	Subsurface Soil	0.5 - 2.5	Radionuclides	HPGe	Alpha Spec
		CJ46-011	2084580.547	750577.882	Subsurface Soil	0.5 - 2.5	Metals	6200	6010
		CJ46-011	2084580.547	750577.882	Subsurface Soil	0.5 - 2.5	VOCs	8260	8260
		CJ46-011	2084580.547	750577.882	Subsurface Soil	2.5 - 4.5	Radionuclides	HPGe	Alpha Spec
		CJ46-011	2084580.547	750577.882	Subsurface Soil	2.5 - 4.5	Metals	6200	6010
		CJ46-011	2084580.547	750577.882	Subsurface Soil	2.5 - 4.5	VOCs	8260	8260
		CJ46-011	2084580.547	750577.882	Subsurface Soil	4.5 - 6.5	Radionuclides	HPGe	Alpha Spec
		CJ46-011	2084580.547	750577.882	Subsurface Soil	4.5 - 6.5	Metals	6200	6010
		CJ46-011	2084580.547	750577.882	Subsurface Soil	4.5 - 6.5	VOCs	8260	8260
	Area under 700-158.0 (where Auxiliary Pond 2 may have been located)	CI45-017	2084477.828	750541.360	Subsurface Soil	0.5 - 2.5	Radionuclides	HPGe	Alpha Spec
		CI45-017	2084477.828	750541.360	Subsurface Soil	0.5 - 2.5	Metals	6200	6010
		CI45-017	2084477.828	750541.360	Subsurface Soil	0.5 - 2.5	VOCs	8260	8260
		CI45-017	2084477.828	750541.360	Subsurface Soil	2.5 - 4.5	Radionuclides	HPGe	Alpha Spec
		CI45-017	2084477.828	750541.360	Subsurface Soil	2.5 - 4.5	Metals	6200	6010
		CI45-017	2084477.828	750541.360	Subsurface Soil	2.5 - 4.5	VOCs	8260	8260
		CI45-017	2084477.828	750541.360	Subsurface Soil	4.5 - 4.5	Radionuclides	HPGe	Alpha Spec
		CI45-017	2084477.828	750541.360	Subsurface Soil	4.5 - 6.5	Metals	6200	6010
		CI45-017	2084477.828	750541.360	Subsurface Soil	4.5 - 6.5	VOCs	8260	8260
		CI45-017	2084477.828	750541.360	Subsurface Soil	6.5 – 8.5	Radionuclides	HPGe	Alpha Spec
		CI45-017	2084477.828	750541.360	Subsurface Soil	6.5 – 8.5	Metals	6200	6010
		CI45-017	2084477.828	750541.360	Subsurface Soil	6.5 – 8.5	VOCs	8260	8260
		CI45-017	2084477.828	750541.360	Subsurface Soil	8.5 – 10.5	Radionuclides	HPGe	Alpha Spec
		CI45-017	2084477.828	750541.360	Subsurface Soil	8.5 – 10.5	Metals	6200	6010
		CI45-017	2084477.828	750541.360	Subsurface Soil	8.5 – 10.5	VOCs	8260	8260
		CI46-027	2084386.180	750598.364	Subsurface Soil	0.5 - 2.5	Radionuclides	HPGe	Alpha Spec

IHSS Group	IHSS/PAC/UBC	Location	Easting	Northing	Media	Depth Interval	Analyte	On-Site Laboratory Method	Off-Site Laboratory Method
		CI46-027	2084386.180	750598.364	Subsurface Soil	0.5 - 2.5	Metals	6200	6010
		CI46-027	2084386.180	750598.364	Subsurface Soil	0.5 - 2.5	VOCs	8260	8260
		CI46-027	2084386.180	750598.364	Subsurface Soil	2.5 - 4.5	Radionuclides	HPGe	Alpha Spec
		CI46-027	2084386.180	750598.364	Subsurface Soil	2.5 - 4.5	Metals	6200	6010
		CI46-027	2084386.180	750598.364	Subsurface Soil	2.5 - 4.5	VOCs	8260	8260
		CI46-027	2084386.180	750598.364	Subsurface Soil	4.5 - 4.5	Radionuclides	HPGe	Alpha Spec
		CI46-027	2084386.180	750598.364	Subsurface Soil	4.5 - 6.5	Metals	6200	6010
		CI46-027	2084386.180	750598.364	Subsurface Soil	4.5 - 6.5	VOCs	8260	8260
		CI46-027	2084386.180	750598.364	Subsurface Soil	6.5 – 8.5	Radionuclides	HPGe	Alpha Spec
		CI46-027	2084386.180	750598.364	Subsurface Soil	6.5 – 8.5	Metals	6200	6010
		CI46-027	2084386.180	750598.364	Subsurface Soil	6.5 – 8.5	VOCs	8260	8260
		CI46-027	2084386.180	750598.364	Subsurface Soil	8.5 – 10.5	Radionuclides	HPGe	Alpha Spec
		CI46-027	2084386.180	750598.364	Subsurface Soil	8.5 – 10.5	Metals	6200	6010
		CI46-027	2084386.180	750598.364	Subsurface Soil	8.5 – 10.5	VOCs	8260	8260
		CI46-028	2084432.161	750586.397	Subsurface Soil	0.5 - 2.5	Radionuclides	HPGe	Alpha Spec
		CI46-028	2084432.161	750586.397	Subsurface Soil	0.5 - 2.5	Metals	6200	6010
		CI46-028	2084432.161	750586.397	Subsurface Soil	0.5 - 2.5	VOCs	8260	8260
		CI46-028	2084432.161	750586.397	Subsurface Soil	2.5 - 4.5	Radionuclides	HPGe	Alpha Spec
		CI46-028	2084432.161	750586.397	Subsurface Soil	2.5 - 4.5	Metals	6200	6010
		CI46-028	2084432.161	750586.397	Subsurface Soil	2.5 - 4.5	VOCs	8260	8260
		CI46-028	2084432.161	750586.397	Subsurface Soil	4.5 - 4.5	Radionuclides	HPGe	Alpha Spec
		CI46-028	2084432.161	750586.397	Subsurface Soil	4.5 - 6.5	Metals	6200	6010
		CI46-028	2084432.161	750586.397	Subsurface Soil	4.5 - 6.5	VOCs	8260	8260
		CI46-028	2084432.161	750586.397	Subsurface Soil	6.5 – 8.5	Radionuclides	HPGe	Alpha Spec
		CI46-028	2084432.161	750586.397	Subsurface Soil	6.5 – 8.5	Metals	6200	6010
		CI46-028	2084432.161	750586.397	Subsurface Soil	6.5 – 8.5	VOCs	8260	8260
		CI46-028	2084432.161	750586.397	Subsurface Soil	8.5 – 10.5	Radionuclides	HPGe	Alpha Spec
		CI46-028	2084432.161	750586.397	Subsurface Soil	8.5 – 10.5	Metals	6200	6010
		CI46-028	2084432.161	750586.397	Subsurface Soil	8.5 – 10.5	VOCs	8260	8260
		CI46-029	2084477.198	750574.114	Subsurface Soil	0.5 - 2.5	Radionuclides	HPGe	Alpha Spec
		CI46-029	2084477.198	750574.114	Subsurface Soil	0.5 - 2.5	Metals	6200	6010
		CI46-029	2084477.198	750574.114	Subsurface Soil	0.5 - 2.5	VOCs	8260	8260
		CI46-029	2084477.198	750574.114	Subsurface Soil	2.5 - 4.5	Radionuclides	HPGe	Alpha Spec

IHSS Group	IHSS/PAC/UBC	Location	Easting	Northing	Media	Depth Interval	Analyte	On-Site Laboratory Method	Off-Site Laboratory Method
		CI46-029	2084477.198	750574.114	Subsurface Soil	2.5 - 4.5	Metals	6200	6010
		CI46-029	2084477.198	750574.114	Subsurface Soil	2.5 - 4.5	VOCs	8260	8260
		CI46-029	2084477.198	750574.114	Subsurface Soil	4.5 - 4.5	Radionuclides	HPGe	Alpha Spec
		CI46-029	2084477.198	750574.114	Subsurface Soil	4.5 - 6.5	Metals	6200	6010
		CI46-029	2084477.198	750574.114	Subsurface Soil	4.5 - 6.5	VOCs	8260	8260
		CI46-029	2084477.198	750574.114	Subsurface Soil	6.5 – 8.5	Radionuclides	HPGe	Alpha Spec
		CI46-029	2084477.198	750574.114	Subsurface Soil	6.5 – 8.5	Metals	6200	6010
		CI46-029	2084477.198	750574.114	Subsurface Soil	6.5 – 8.5	VOCs	8260	8260
		CI46-029	2084477.198	750574.114	Subsurface Soil	8.5 – 10.5	Radionuclides	HPGe	Alpha Spec
		CI46-029	2084477.198	750574.114	Subsurface Soil	8.5 – 10.5	Metals	6200	6010
		CI46-029	2084477.198	750574.114	Subsurface Soil	8.5 – 10.5	VOCs	8260	8260
	PAC 700-1105	CI45-000	2084400.287	750539.646	Subsurface Soil	0 - 0.5'	PCBs	N/A	8082
		CI45-000	2084400.287	750539.646	Subsurface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CI45-000	2084400.287	750539.646	Subsurface Soil	0.5 – 2.5	PCBs	N/A	8082
		CI45-000	2084400.287	750539.646	Subsurface Soil	0.5 – 2.5	Radionuclides	HPGe	Alpha Spec
		CI45-000	2084400.287	750539.646	Subsurface Soil	2.5 – 4.5	PCBs	N/A	8082
		CI45-000	2084400.287	750539.646	Subsurface Soil	2.5 – 4.5	Radionuclides	HPGe	Alpha Spec
		CI45-001	2084410.704	750548.76	Subsurface Soil	0 - 0.5'	PCBs	N/A	8082
		CI45-001	2084410.704	750548.76	Subsurface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CI45-001	2084410.704	750548.76	Subsurface Soil	0.5 – 2.5	PCBs	N/A	8082
		CI45-001	2084410.704	750548.76	Subsurface Soil	0.5 – 2.5	Radionuclides	HPGe	Alpha Spec
		CI45-001	2084410.704	750548.76	Subsurface Soil	2.5 – 4.5	PCBs	N/A	8082
		CI45-001	2084410.704	750548.76	Subsurface Soil	2.5 – 4.5	Radionuclides	HPGe	Alpha Spec
		CI45-002	2084412.006	750535.739	Subsurface Soil	0 - 0.5'	PCBs	N/A	8082
		CI45-002	2084412.006	750535.739	Subsurface Soil	0 - 0.5'	Dioxin	N/A	--
		CI45-002	2084412.006	750535.739	Subsurface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CI45-002	2084412.006	750535.739	Subsurface Soil	0.5 – 2.5	PCBs	N/A	8082
		CI45-002	2084412.006	750535.739	Subsurface Soil	0.5 – 2.5	Dioxin	N/A	--
		CI45-002	2084412.006	750535.739	Subsurface Soil	0.5 – 2.5	Radionuclides	HPGe	Alpha Spec
		CI45-002	2084412.006	750535.739	Subsurface Soil	2.5 – 4.5	PCBs	N/A	8082
		CI45-002	2084412.006	750535.739	Subsurface Soil	2.5 – 4.5	Radionuclides	HPGe	Alpha Spec
		CI45-003	2084426.329	750539.646	Subsurface Soil	0 - 0.5'	PCBs	N/A	8082
		CI45-003	2084426.329	750539.646	Subsurface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec

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		CI45-003	2084426.329	750539.646	Subsurface Soil	0.5 – 2.5	PCBs	N/A	8082
		CI45-003	2084426.329	750539.646	Subsurface Soil	0.5 – 2.5	Radionuclides	HPGe	Alpha Spec
		CI45-003	2084426.329	750539.646	Subsurface Soil	2.5 – 4.5	PCBs	N/A	8082
		CI45-003	2084426.329	750539.646	Subsurface Soil	2.5 – 4.5	Radionuclides	HPGe	Alpha Spec
		CI45-004	2084425.027	750526.625	Subsurface Soil	0 - 0.5'	PCBs	N/A	8082
		CI45-004	2084425.027	750526.625	Subsurface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CI45-004	2084425.027	750526.625	Subsurface Soil	0.5 – 2.5	PCBs	N/A	8082
		CI45-004	2084425.027	750526.625	Subsurface Soil	0.5 – 2.5	Radionuclides	HPGe	Alpha Spec
		CI45-004	2084425.027	750526.625	Subsurface Soil	2.5 – 4.5	PCBs	N/A	8082
		CI45-004	2084425.027	750526.625	Subsurface Soil	2.5 – 4.5	Radionuclides	HPGe	Alpha Spec
		CI45-005	2084438.048	750533.135	Subsurface Soil	0 - 0.5'	PCBs	N/A	8082
		CI45-005	2084438.048	750533.135	Subsurface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CI45-005	2084438.048	750533.135	Subsurface Soil	0.5 – 2.5	PCBs	N/A	8082
		CI45-005	2084438.048	750533.135	Subsurface Soil	0.5 – 2.5	Radionuclides	HPGe	Alpha Spec
		CI45-005	2084438.048	750533.135	Subsurface Soil	2.5 – 4.5	PCBs	N/A	8082
		CI45-005	2084438.048	750533.135	Subsurface Soil	2.5 – 4.5	Radionuclides	HPGe	Alpha Spec
	IHSS 000-121, OPWL Outside UBC 779, Including IHSS 700-149.2	CH45-001	2084204.782	750523.181	Subsurface Soil	2.5 - 4.5	Radionuclides	HPGe	Alpha Spec
		CH45-001	2084204.782	750523.181	Subsurface Soil	2.5 - 4.5	Metals	6200	6010
		CH45-001	2084204.782	750523.181	Subsurface Soil	2.5 - 4.5	VOCs	8260	8260
		CH45-001	2084204.782	750523.181	Subsurface Soil	4.5 - 6.5	Radionuclides	HPGe	Alpha Spec
		CH45-001	2084204.782	750523.181	Subsurface Soil	4.5 - 6.5	Metals	6200	6010
		CH45-001	2084204.782	750523.181	Subsurface Soil	4.5 - 6.5	VOCs	8260	8260
		CH46-011	2084200.918	750577.286	Subsurface Soil	2.5 - 4.5	Radionuclides	HPGe	Alpha Spec
		CH46-011	2084200.918	750577.286	Subsurface Soil	2.5 - 4.5	Metals	6200	6010
		CH46-011	2084200.918	750577.286	Subsurface Soil	2.5 - 4.5	VOCs	8260	8260
		CH46-011	2084200.918	750577.286	Subsurface Soil	4.5 - 6.5	Radionuclides	HPGe	Alpha Spec
		CH46-011	2084200.918	750577.286	Subsurface Soil	4.5 - 6.5	Metals	6200	6010
		CH46-011	2084200.918	750577.286	Subsurface Soil	4.5 - 6.5	VOCs	8260	8260
		CH46-012	2084202.85	750646.844	Subsurface Soil	2.5 - 4.5	Radionuclides	HPGe	Alpha Spec
		CH46-012	2084202.85	750646.844	Subsurface Soil	2.5 - 4.5	Metals	6200	6010
		CH46-012	2084202.85	750646.844	Subsurface Soil	2.5 - 4.5	VOCs	8260	8260
		CH46-012	2084202.85	750646.844	Subsurface Soil	4.5 - 6.5	Radionuclides	HPGe	Alpha Spec
		CH46-012	2084202.85	750646.844	Subsurface Soil	4.5 - 6.5	Metals	6200	6010

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		CH46-012	2084202.85	750646.844	Subsurface Soil	4.5 - 6.5	VOCs	8260	8260
		CH46-013	2084177.732	750666.165	Subsurface Soil	2.5 - 4.5	Radionuclides	HPGe	Alpha Spec
		CH46-013	2084177.732	750666.165	Subsurface Soil	2.5 - 4.5	Metals	6200	6010
		CH46-013	2084177.732	750666.165	Subsurface Soil	2.5 - 4.5	VOCs	8260	8260
		CH46-013	2084177.732	750666.165	Subsurface Soil	4.5 - 6.5	Radionuclides	HPGe	Alpha Spec
		CH46-013	2084177.732	750666.165	Subsurface Soil	4.5 - 6.5	Metals	6200	6010
		CH46-013	2084177.732	750666.165	Subsurface Soil	4.5 - 6.5	VOCs	8260	8260
		CI46-000	2084444.71	750694.842	Subsurface Soil	2.5 - 4.5	Radionuclides	HPGe	Alpha Spec
		CI46-000	2084444.71	750694.842	Subsurface Soil	2.5 - 4.5	Metals	6200	6010
		CI46-000	2084444.71	750694.842	Subsurface Soil	2.5 - 4.5	VOCs	8260	8260
		CI46-000	2084444.71	750694.842	Subsurface Soil	4.5 - 6.5	Radionuclides	HPGe	Alpha Spec
		CI46-000	2084444.71	750694.842	Subsurface Soil	4.5 - 6.5	Metals	6200	6010
		CI46-000	2084444.71	750694.842	Subsurface Soil	4.5 - 6.5	VOCs	8260	8260
		CI46-001	2084340.544	750694.842	Subsurface Soil	2.5 - 4.5	Radionuclides	HPGe	Alpha Spec
		CI46-001	2084340.544	750694.842	Subsurface Soil	2.5 - 4.5	Metals	6200	6010
		CI46-001	2084340.544	750694.842	Subsurface Soil	2.5 - 4.5	VOCs	8260	8260
		CI46-001	2084340.544	750694.842	Subsurface Soil	4.5 - 6.5	Radionuclides	HPGe	Alpha Spec
		CI46-001	2084340.544	750694.842	Subsurface Soil	4.5 - 6.5	Metals	6200	6010
		CI46-001	2084340.544	750694.842	Subsurface Soil	4.5 - 6.5	VOCs	8260	8260
		CJ46-005	2084569.958	750695.147	Subsurface Soil	2.5 - 4.5	Radionuclides	HPGe	Alpha Spec
		CJ46-005	2084569.958	750695.147	Subsurface Soil	2.5 - 4.5	Metals	6200	6010
		CJ46-005	2084569.958	750695.147	Subsurface Soil	2.5 - 4.5	VOCs	8260	8260
		CJ46-005	2084569.958	750695.147	Subsurface Soil	4.5 - 6.5	Radionuclides	HPGe	Alpha Spec
		CJ46-005	2084569.958	750695.147	Subsurface Soil	4.5 - 6.5	Metals	6200	6010
		CJ46-005	2084569.958	750695.147	Subsurface Soil	4.5 - 6.5	VOCs	8260	8260
	Portion of IHSS 000-101 Not Over Former Site Of Auxiliary Pond 2	CH45-017	2084296.143	750438.419	Surface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CH45-017	2084296.143	750438.419	Surface Soil	0 - 0.5'	Metals	6200	6010
		CH46-028	2084289.388	750664.512	Surface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CH46-028	2084289.388	750664.512	Surface Soil	0 - 0.5'	Metals	6200	6010
		CH46-029	2084293.569	750700.268	Surface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CH46-029	2084293.569	750700.268	Surface Soil	0 - 0.5'	Metals	6200	6010
		CH46-030	2084322.444	750678.769	Surface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CH46-030	2084322.444	750678.769	Surface Soil	0 - 0.5'	Metals	6200	6010

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		CH46-031	2084326.626	750714.525	Surface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CH46-031	2084326.626	750714.525	Surface Soil	0 - 0.5'	Metals	6200	6010
		CI45-007	2084381.069	750436.168	Surface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CI45-007	2084381.069	750436.168	Surface Soil	0 - 0.5'	Metals	6200	6010
		CI45-013	2084516.209	750456.761	Surface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CI45-013	2084516.209	750456.761	Surface Soil	0 - 0.5'	Metals	6200	6010
		CI45-013	2084516.209	750456.761	Subsurface Soil	0.5 – 2.5’	Radionuclides	HPGe	Alpha Spec
		CI45-013	2084516.209	750456.761	Subsurface Soil	0.5 – 2.5’	Metals	6200	6010
		CI45-013	2084516.209	750456.761	Subsurface Soil	0.5 – 2.5’	VOCs	8260	8260
		CI45-014	2084520.39	750492.518	Surface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CI45-014	2084520.39	750492.518	Surface Soil	0 - 0.5'	Metals	6200	6010
		CI45-015	2084524.571	750528.274	Surface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CI45-015	2084524.571	750528.274	Surface Soil	0 - 0.5'	Metals	6200	6010
		CI45-016	2084528.541	750454.136	Subsurface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CI45-016	2084528.541	750454.136	Subsurface Soil	0 - 0.5'	Metals	6200	6010
		CI45-016	2084528.541	750454.136	Subsurface Soil	0 - 0.5'	VOCs	8260	8260
		CI45-016	2084528.541	750454.136	Subsurface Soil	0.5 – 2.5’	Radionuclides	HPGe	Alpha Spec
		CI45-016	2084528.541	750454.136	Subsurface Soil	0.5 – 2.5’	Metals	6200	6010
		CI45-016	2084528.541	750454.136	Subsurface Soil	0.5 – 2.5’	VOCs	8260	8260
		CI46-007	2084351.32	750657.27	Surface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CI46-007	2084351.32	750657.27	Surface Soil	0 - 0.5'	Metals	6200	6010
		CI46-008	2084355.501	750693.026	Surface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CI46-008	2084355.501	750693.026	Surface Soil	0 - 0.5'	Metals	6200	6010
		CJ45-012	2084545.084	750435.262	Subsurface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CJ45-012	2084545.084	750435.262	Subsurface Soil	0 - 0.5'	Metals	6200	6010
		CJ45-012	2084545.084	750435.262	Subsurface Soil	0 - 0.5'	VOCs	8260	8260
		CJ45-012	2084545.084	750435.262	Subsurface Soil	0.5 – 2.5’	Radionuclides	HPGe	Alpha Spec
		CJ45-012	2084545.084	750435.262	Subsurface Soil	0.5 – 2.5’	Metals	6200	6010
		CJ45-012	2084545.084	750435.262	Subsurface Soil	0.5 – 2.5’	VOCs	8260	8260
		CJ45-013	2084549.265	750471.018	Subsurface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CJ45-013	2084549.265	750471.018	Subsurface Soil	0 - 0.5'	Metals	6200	6010
		CJ45-013	2084549.265	750471.018	Subsurface Soil	0 - 0.5'	VOCs	8260	8260
		CJ45-013	2084549.265	750471.018	Subsurface Soil	0.5 – 2.5’	Radionuclides	HPGe	Alpha Spec

IHSS Group	IHSS/PAC/UBC	Location	Easting	Northing	Media	Depth Interval	Analyte	On-Site Laboratory Method	Off-Site Laboratory Method
		CJ45-013	2084549.265	750471.018	Subsurface Soil	0.5 – 2.5’	Metals	6200	6010
		CJ45-013	2084549.265	750471.018	Subsurface Soil	0.5 – 2.5’	VOCs	8260	8260
		CJ45-014	2084553.446	750506.775	Surface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CJ45-014	2084553.446	750506.775	Surface Soil	0 - 0.5'	Metals	6200	6010
		CJ45-016	2084578.14	750449.519	Subsurface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CJ45-016	2084578.14	750449.519	Subsurface Soil	0 - 0.5'	Metals	6200	6010
		CJ45-016	2084578.14	750449.519	Subsurface Soil	0 - 0.5'	VOCs	8260	8260
		CJ45-017	2084582.322	750485.275	Surface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CJ45-017	2084582.322	750485.275	Surface Soil	0 - 0.5'	Metals	6200	6010
		CJ45-018	2084586.503	750521.032	Surface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CJ45-018	2084586.503	750521.032	Surface Soil	0 - 0.5'	Metals	6200	6010
		CJ45-020	2084573.221	750414.686	Subsurface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CJ45-020	2084573.221	750414.686	Subsurface Soil	0 - 0.5'	Metals	6200	6010
		CJ45-020	2084573.221	750414.686	Subsurface Soil	0 - 0.5'	VOCs	8260	8260
		CJ45-021	2084539.724	750400.291	Subsurface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CJ45-021	2084539.724	750400.291	Subsurface Soil	0 - 0.5'	Metals	6200	6010
		CJ45-021	2084539.724	750400.291	Subsurface Soil	0 - 0.5'	VOCs	8260	8260
	Portion of IHSS 000-101 Over Former Site of Auxiliary Pond 2	CI46-009	2084384.376	750671.527	Surface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CI46-009	2084384.376	750671.527	Surface Soil	0 - 0.5'	Metals	6200	6010
		CI46-010	2084388.558	750707.283	Surface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CI46-010	2084388.558	750707.283	Surface Soil	0 - 0.5'	Metals	6200	6010
		CI46-011	2084409.07	750614.271	Surface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CI46-011	2084409.07	750614.271	Surface Soil	0 - 0.5'	Metals	6200	6010
		CI46-012	2084413.251	750650.028	Surface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CI46-012	2084413.251	750650.028	Surface Soil	0 - 0.5'	Metals	6200	6010
		CI46-012	2084413.251	750650.028	Surface Soil	0 - 0.5'	VOC	8260	8260
		CI46-013	2084417.433	750685.784	Surface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CI46-013	2084417.433	750685.784	Surface Soil	0 - 0.5'	Metals	6200	6010
		CI46-014	2084421.614	750721.54	Surface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CI46-014	2084421.614	750721.54	Surface Soil	0 - 0.5'	Metals	6200	6010
		CI46-014	2084421.614	750721.54	Subsurface Soil	0.5 - 2.5	Radionuclides	HPGe	Alpha Spec
		CI46-014	2084421.614	750721.54	Subsurface Soil	0.5 - 2.5	Metals	6200	6010
		CI46-014	2084421.614	750721.54	Subsurface Soil	0.5 - 2.5	VOCs	8260	8260

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		CI46-014	2084421.614	750721.54	Subsurface Soil	2.5 - 4.5	Radionuclides	HPGe	Alpha Spec
		CI46-014	2084421.614	750721.54	Subsurface Soil	2.5 - 4.5	Metals	6200	6010
		CI46-014	2084421.614	750721.54	Subsurface Soil	2.5 - 4.5	VOCs	8260	8260
		CI46-014	2084421.614	750721.54	Subsurface Soil	4.5 - 6.5	Radionuclides	HPGe	Alpha Spec
		CI46-014	2084421.614	750721.54	Subsurface Soil	4.5 - 6.5	Metals	6200	6010
		CI46-014	2084421.614	750721.54	Subsurface Soil	4.5 - 6.5	VOCs	8260	8260
		CI46-014	2084421.614	750721.54	Subsurface Soil	6.5 – 8.5	Radionuclides	HPGe	Alpha Spec
		CI46-014	2084421.614	750721.54	Subsurface Soil	6.5 – 8.5	Metals	6200	6010
		CI46-014	2084421.614	750721.54	Subsurface Soil	6.5 – 8.5	VOCs	8260	8260
		CI46-014	2084421.614	750721.54	Subsurface Soil	8.5 – 10.5	Radionuclides	HPGe	Alpha Spec
		CI46-014	2084421.614	750721.54	Subsurface Soil	8.5 – 10.5	Metals	6200	6010
		CI46-014	2084421.614	750721.54	Subsurface Soil	8.5 – 10.5	VOCs	8260	8260
		CI46-015	2084442.127	750628.528	Surface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CI46-015	2084442.127	750628.528	Surface Soil	0 - 0.5'	Metals	6200	6010
		CI46-015	2084442.127	750628.528	Subsurface Soil	0.5 - 2.5	Radionuclides	HPGe	Alpha Spec
		CI46-015	2084442.127	750628.528	Subsurface Soil	0.5 - 2.5	Metals	6200	6010
		CI46-015	2084442.127	750628.528	Subsurface Soil	0.5 - 2.5	VOCs	8260	8260
		CI46-015	2084442.127	750628.528	Subsurface Soil	2.5 - 4.5	Radionuclides	HPGe	Alpha Spec
		CI46-015	2084442.127	750628.528	Subsurface Soil	2.5 - 4.5	Metals	6200	6010
		CI46-015	2084442.127	750628.528	Subsurface Soil	2.5 - 4.5	VOCs	8260	8260
		CI46-015	2084442.127	750628.528	Subsurface Soil	4.5 - 6.5	Radionuclides	HPGe	Alpha Spec
		CI46-015	2084442.127	750628.528	Subsurface Soil	4.5 - 6.5	Metals	6200	6010
		CI46-015	2084442.127	750628.528	Subsurface Soil	4.5 - 6.5	VOCs	8260	8260
		CI46-015	2084442.127	750628.528	Subsurface Soil	6.5 – 8.5	Radionuclides	HPGe	Alpha Spec
		CI46-015	2084442.127	750628.528	Subsurface Soil	6.5 – 8.5	Metals	6200	6010
		CI46-015	2084442.127	750628.528	Subsurface Soil	6.5 – 8.5	VOCs	8260	8260
		CI46-015	2084442.127	750628.528	Subsurface Soil	8.5 – 10.5	Radionuclides	HPGe	Alpha Spec
		CI46-015	2084442.127	750628.528	Subsurface Soil	8.5 – 10.5	Metals	6200	6010
		CI46-015	2084442.127	750628.528	Subsurface Soil	8.5 – 10.5	VOCs	8260	8260
		CI46-016	2084446.308	750664.285	Surface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CI46-016	2084446.308	750664.285	Surface Soil	0 - 0.5'	Metals	6200	6010
		CI46-017	2084450.489	750700.041	Surface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CI46-017	2084450.489	750700.041	Surface Soil	0 - 0.5'	Metals	6200	6010

IHSS Group	IHSS/PAC/UBC	Location	Easting	Northing	Media	Depth Interval	Analyte	On-Site Laboratory Method	Off-Site Laboratory Method
		CI46-018	2084475.183	750642.785	Surface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CI46-018	2084475.183	750642.785	Surface Soil	0 - 0.5'	Metals	6200	6010
		CI46-019	2084479.365	750678.542	Surface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CI46-019	2084479.365	750678.542	Surface Soil	0 - 0.5'	Metals	6200	6010
		CI46-019	2084479.365	750678.542	Subsurface Soil	0.5 - 2.5	Radionuclides	HPGe	Alpha Spec
		CI46-019	2084479.365	750678.542	Subsurface Soil	0.5 - 2.5	Metals	6200	6010
		CI46-019	2084479.365	750678.542	Subsurface Soil	0.5 - 2.5	VOCs	8260	8260
		CI46-019	2084479.365	750678.542	Subsurface Soil	2.5 - 4.5	Radionuclides	HPGe	Alpha Spec
		CI46-019	2084479.365	750678.542	Subsurface Soil	2.5 - 4.5	Metals	6200	6010
		CI46-019	2084479.365	750678.542	Subsurface Soil	2.5 - 4.5	VOCs	8260	8260
		CI46-019	2084479.365	750678.542	Subsurface Soil	4.5 - 6.5	Radionuclides	HPGe	Alpha Spec
		CI46-019	2084479.365	750678.542	Subsurface Soil	4.5 - 6.5	Metals	6200	6010
		CI46-019	2084479.365	750678.542	Subsurface Soil	4.5 - 6.5	VOCs	8260	8260
		CI46-019	2084479.365	750678.542	Subsurface Soil	6.5 – 8.5	Radionuclides	HPGe	Alpha Spec
		CI46-019	2084479.365	750678.542	Subsurface Soil	6.5 – 8.5	Metals	6200	6010
		CI46-019	2084479.365	750678.542	Subsurface Soil	6.5 – 8.5	VOCs	8260	8260
		CI46-019	2084479.365	750678.542	Subsurface Soil	8.5 – 10.5	Radionuclides	HPGe	Alpha Spec
		CI46-019	2084479.365	750678.542	Subsurface Soil	8.5 – 10.5	Metals	6200	6010
		CI46-019	2084479.365	750678.542	Subsurface Soil	8.5 – 10.5	VOCs	8260	8260
		CI46-020	2084483.546	750714.298	Surface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CI46-020	2084483.546	750714.298	Surface Soil	0 - 0.5'	Metals	6200	6010
		CI46-021	2084504.059	750621.286	Subsurface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CI46-021	2084504.059	750621.286	Subsurface Soil	0 - 0.5'	Metals	6200	6010
		CI46-021	2084504.059	750621.286	Subsurface Soil	0 - 0.5'	VOCs	8260	8260
		CI46-022	2084508.24	750657.042	Surface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CI46-022	2084508.24	750657.042	Surface Soil	0 - 0.5'	Metals	6200	6010
		CI46-023	2084512.421	750692.799	Surface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CI46-023	2084512.421	750692.799	Surface Soil	0 - 0.5'	Metals	6200	6010
		CI46-024	2084528.752	750564.03	Surface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CI46-024	2084528.752	750564.03	Surface Soil	0 - 0.5'	Metals	6200	6010
		CI46-024	2084528.752	750564.03	Subsurface Soil	0.5 - 2.5	Radionuclides	HPGe	Alpha Spec
		CI46-024	2084528.752	750564.03	Subsurface Soil	0.5 - 2.5	Metals	6200	6010
		CI46-024	2084528.752	750564.03	Subsurface Soil	0.5 - 2.5	VOCs	8260	8260

IHSS Group	IHSS/PAC/UBC	Location	Easting	Northing	Media	Depth Interval	Analyte	On-Site Laboratory Method	Off-Site Laboratory Method
		CI46-024	2084528.752	750564.03	Subsurface Soil	2.5 - 4.5	Radionuclides	HPGe	Alpha Spec
		CI46-024	2084528.752	750564.03	Subsurface Soil	2.5 - 4.5	Metals	6200	6010
		CI46-024	2084528.752	750564.03	Subsurface Soil	2.5 - 4.5	VOCs	8260	8260
		CI46-024	2084528.752	750564.03	Subsurface Soil	4.5 - 6.5	Radionuclides	HPGe	Alpha Spec
		CI46-024	2084528.752	750564.03	Subsurface Soil	4.5 - 6.5	Metals	6200	6010
		CI46-024	2084528.752	750564.03	Subsurface Soil	4.5 - 6.5	VOCs	8260	8260
		CI46-024	2084528.752	750564.03	Subsurface Soil	6.5 – 8.5	Radionuclides	HPGe	Alpha Spec
		CI46-024	2084528.752	750564.03	Subsurface Soil	6.5 – 8.5	Metals	6200	6010
		CI46-024	2084528.752	750564.03	Subsurface Soil	6.5 – 8.5	VOCs	8260	8260
		CI46-024	2084528.752	750564.03	Subsurface Soil	8.5 – 10.5	Radionuclides	HPGe	Alpha Spec
		CI46-024	2084528.752	750564.03	Subsurface Soil	8.5 – 10.5	Metals	6200	6010
		CI46-024	2084528.752	750564.03	Subsurface Soil	8.5 – 10.5	VOCs	8260	8260
		CI46-025	2084532.934	750599.787	Surface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CI46-025	2084532.934	750599.787	Surface Soil	0 - 0.5'	Metals	6200	6010
		CI46-026	2084473.899	750611.253	Surface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CI46-026	2084473.899	750611.253	Surface Soil	0 - 0.5'	Metals	6200	6010
		CJ45-019	2084590.684	750556.788	Surface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CJ45-019	2084590.684	750556.788	Surface Soil	0 - 0.5'	Metals	6200	6010
		CJ46-014	2084537.115	750635.543	Surface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CJ46-014	2084537.115	750635.543	Surface Soil	0 - 0.5'	Metals	6200	6010
		CJ46-014	2084537.115	750635.543	Subsurface Soil	0.5 - 2.5	Radionuclides	HPGe	Alpha Spec
		CJ46-014	2084537.115	750635.543	Subsurface Soil	0.5 - 2.5	Metals	6200	6010
		CJ46-014	2084537.115	750635.543	Subsurface Soil	0.5 - 2.5	VOCs	8260	8260
		CJ46-014	2084537.115	750635.543	Subsurface Soil	2.5 - 4.5	Radionuclides	HPGe	Alpha Spec
		CJ46-014	2084537.115	750635.543	Subsurface Soil	2.5 - 4.5	Metals	6200	6010
		CJ46-014	2084537.115	750635.543	Subsurface Soil	2.5 - 4.5	VOCs	8260	8260
		CJ46-014	2084537.115	750635.543	Subsurface Soil	4.5 - 6.5	Radionuclides	HPGe	Alpha Spec
		CJ46-014	2084537.115	750635.543	Subsurface Soil	4.5 - 6.5	Metals	6200	6010
		CJ46-014	2084537.115	750635.543	Subsurface Soil	4.5 - 6.5	VOCs	8260	8260
		CJ46-014	2084537.115	750635.543	Subsurface Soil	6.5 – 8.5	Radionuclides	HPGe	Alpha Spec
		CJ46-014	2084537.115	750635.543	Subsurface Soil	6.5 – 8.5	Metals	6200	6010
		CJ46-014	2084537.115	750635.543	Subsurface Soil	6.5 – 8.5	VOCs	8260	8260
		CJ46-014	2084537.115	750635.543	Subsurface Soil	8.5 – 10.5	Radionuclides	HPGe	Alpha Spec

IHSS Group	IHSS/PAC/UBC	Location	Easting	Northing	Media	Depth Interval	Analyte	On-Site Laboratory Method	Off-Site Laboratory Method
		CJ46-014	2084537.115	750635.543	Subsurface Soil	8.5 – 10.5	Metals	6200	6010
		CJ46-014	2084537.115	750635.543	Subsurface Soil	8.5 – 10.5	VOCs	8260	8260
		CJ46-015	2084541.296	750671.299	Surface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CJ46-015	2084541.296	750671.299	Surface Soil	0 - 0.5'	Metals	6200	6010
		CJ46-015	2084541.296	750671.299	Subsurface Soil	0.5 - 2.5	Radionuclides	HPGe	Alpha Spec
		CJ46-015	2084541.296	750671.299	Subsurface Soil	0.5 - 2.5	Metals	6200	6010
		CJ46-015	2084541.296	750671.299	Subsurface Soil	0.5 - 2.5	VOCs	8260	8260
		CJ46-015	2084541.296	750671.299	Subsurface Soil	2.5 - 4.5	Radionuclides	HPGe	Alpha Spec
		CJ46-015	2084541.296	750671.299	Subsurface Soil	2.5 - 4.5	Metals	6200	6010
		CJ46-015	2084541.296	750671.299	Subsurface Soil	2.5 - 4.5	VOCs	8260	8260
		CJ46-015	2084541.296	750671.299	Subsurface Soil	4.5 - 6.5	Radionuclides	HPGe	Alpha Spec
		CJ46-015	2084541.296	750671.299	Subsurface Soil	4.5 - 6.5	Metals	6200	6010
		CJ46-015	2084541.296	750671.299	Subsurface Soil	4.5 - 6.5	VOCs	8260	8260
		CJ46-015	2084541.296	750671.299	Subsurface Soil	6.5 – 8.5	Radionuclides	HPGe	Alpha Spec
		CJ46-015	2084541.296	750671.299	Subsurface Soil	6.5 – 8.5	Metals	6200	6010
		CJ46-015	2084541.296	750671.299	Subsurface Soil	6.5 – 8.5	VOCs	8260	8260
		CJ46-015	2084541.296	750671.299	Subsurface Soil	8.5 – 10.5	Radionuclides	HPGe	Alpha Spec
		CJ46-015	2084541.296	750671.299	Subsurface Soil	8.5 – 10.5	Metals	6200	6010
		CJ46-015	2084541.296	750671.299	Subsurface Soil	8.5 – 10.5	VOCs	8260	8260
		CJ46-016	2084545.478	750707.056	Surface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CJ46-016	2084545.478	750707.056	Surface Soil	0 - 0.5'	Metals	6200	6010
		CJ46-016	2084545.478	750707.056	Subsurface Soil	0.5 - 2.5	Radionuclides	HPGe	Alpha Spec
		CJ46-016	2084545.478	750707.056	Subsurface Soil	0.5 - 2.5	Metals	6200	6010
		CJ46-016	2084545.478	750707.056	Subsurface Soil	0.5 - 2.5	VOCs	8260	8260
		CJ46-016	2084545.478	750707.056	Subsurface Soil	2.5 - 4.5	Radionuclides	HPGe	Alpha Spec
		CJ46-016	2084545.478	750707.056	Subsurface Soil	2.5 - 4.5	Metals	6200	6010
		CJ46-016	2084545.478	750707.056	Subsurface Soil	2.5 - 4.5	VOCs	8260	8260
		CJ46-016	2084545.478	750707.056	Subsurface Soil	4.5 - 6.5	Radionuclides	HPGe	Alpha Spec
		CJ46-016	2084545.478	750707.056	Subsurface Soil	4.5 - 6.5	Metals	6200	6010
		CJ46-016	2084545.478	750707.056	Subsurface Soil	4.5 - 6.5	VOCs	8260	8260
		CJ46-016	2084545.478	750707.056	Subsurface Soil	6.5 – 8.5	Radionuclides	HPGe	Alpha Spec
		CJ46-016	2084545.478	750707.056	Subsurface Soil	6.5 – 8.5	Metals	6200	6010
		CJ46-016	2084545.478	750707.056	Subsurface Soil	6.5 – 8.5	VOCs	8260	8260

IHSS Group	IHSS/PAC/UBC	Location	Easting	Northing	Media	Depth Interval	Analyte	On-Site Laboratory Method	Off-Site Laboratory Method
		CJ46-016	2084545.478	750707.056	Subsurface Soil	8.5 – 10.5	Radionuclides	HPGe	Alpha Spec
		CJ46-016	2084545.478	750707.056	Subsurface Soil	8.5 – 10.5	Metals	6200	6010
		CJ46-016	2084545.478	750707.056	Subsurface Soil	8.5 – 10.5	VOCs	8260	8260
		CJ46-018	2084565.99	750614.044	Subsurface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CJ46-018	2084565.99	750614.044	Subsurface Soil	0 - 0.5'	Metals	6200	6010
		CJ46-018	2084565.99	750614.044	Subsurface Soil	0 - 0.5'	VOCs	8260	8260
		CJ46-018	2084565.99	750614.044	Subsurface Soil	0.5 - 2.5	Radionuclides	HPGe	Alpha Spec
		CJ46-018	2084565.99	750614.044	Subsurface Soil	0.5 - 2.5	Metals	6200	6010
		CJ46-018	2084565.99	750614.044	Subsurface Soil	0.5 - 2.5	VOCs	8260	8260
		CJ46-018	2084565.99	750614.044	Subsurface Soil	2.5 - 4.5	Radionuclides	HPGe	Alpha Spec
		CJ46-018	2084565.99	750614.044	Subsurface Soil	2.5 - 4.5	Metals	6200	6010
		CJ46-018	2084565.99	750614.044	Subsurface Soil	2.5 - 4.5	VOCs	8260	8260
		CJ46-018	2084565.99	750614.044	Subsurface Soil	4.5 - 6.5	Radionuclides	HPGe	Alpha Spec
		CJ46-018	2084565.99	750614.044	Subsurface Soil	4.5 - 6.5	Metals	6200	6010
		CJ46-018	2084565.99	750614.044	Subsurface Soil	4.5 - 6.5	VOCs	8260	8260
		CJ46-018	2084565.99	750614.044	Subsurface Soil	6.5 – 8.5	Radionuclides	HPGe	Alpha Spec
		CJ46-018	2084565.99	750614.044	Subsurface Soil	6.5 – 8.5	Metals	6200	6010
		CJ46-018	2084565.99	750614.044	Subsurface Soil	6.5 – 8.5	VOCs	8260	8260
		CJ46-018	2084565.99	750614.044	Subsurface Soil	8.5 – 10.5	Radionuclides	HPGe	Alpha Spec
		CJ46-018	2084565.99	750614.044	Subsurface Soil	8.5 – 10.5	Metals	6200	6010
		CJ46-018	2084565.99	750614.044	Subsurface Soil	8.5 – 10.5	VOCs	8260	8260
		CJ46-019	2084570.172	750649.8	Surface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CJ46-019	2084570.172	750649.8	Surface Soil	0 - 0.5'	Metals	6200	6010
		CJ46-019	2084570.172	750649.8	Subsurface Soil	0.5 - 2.5	Radionuclides	HPGe	Alpha Spec
		CJ46-019	2084570.172	750649.8	Subsurface Soil	0.5 - 2.5	Metals	6200	6010
		CJ46-019	2084570.172	750649.8	Subsurface Soil	0.5 - 2.5	VOCs	8260	8260
		CJ46-019	2084570.172	750649.8	Subsurface Soil	2.5 - 4.5	Radionuclides	HPGe	Alpha Spec
		CJ46-019	2084570.172	750649.8	Subsurface Soil	2.5 - 4.5	Metals	6200	6010
		CJ46-019	2084570.172	750649.8	Subsurface Soil	2.5 - 4.5	VOCs	8260	8260
		CJ46-019	2084570.172	750649.8	Subsurface Soil	4.5 - 6.5	Radionuclides	HPGe	Alpha Spec
		CJ46-019	2084570.172	750649.8	Subsurface Soil	4.5 - 6.5	Metals	6200	6010
		CJ46-019	2084570.172	750649.8	Subsurface Soil	4.5 - 6.5	VOCs	8260	8260
		CJ46-019	2084570.172	750649.8	Subsurface Soil	6.5 – 8.5	Radionuclides	HPGe	Alpha Spec

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		CJ46-019	2084570.172	750649.8	Subsurface Soil	6.5 – 8.5	Metals	6200	6010
		CJ46-019	2084570.172	750649.8	Subsurface Soil	6.5 – 8.5	VOCs	8260	8260
		CJ46-019	2084570.172	750649.8	Subsurface Soil	8.5 – 10.5	Radionuclides	HPGe	Alpha Spec
		CJ46-019	2084570.172	750649.8	Subsurface Soil	8.5 – 10.5	Metals	6200	6010
		CJ46-019	2084570.172	750649.8	Subsurface Soil	8.5 – 10.5	VOCs	8260	8260
		CJ46-020	2084574.353	750685.556	Surface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CJ46-020	2084574.353	750685.556	Surface Soil	0 - 0.5'	Metals	6200	6010
		CJ46-020	2084574.353	750685.556	Subsurface Soil	0.5 - 2.5	Radionuclides	HPGe	Alpha Spec
		CJ46-020	2084574.353	750685.556	Subsurface Soil	0.5 - 2.5	Metals	6200	6010
		CJ46-020	2084574.353	750685.556	Subsurface Soil	0.5 - 2.5	VOCs	8260	8260
		CJ46-020	2084574.353	750685.556	Subsurface Soil	2.5 - 4.5	Radionuclides	HPGe	Alpha Spec
		CJ46-020	2084574.353	750685.556	Subsurface Soil	2.5 - 4.5	Metals	6200	6010
		CJ46-020	2084574.353	750685.556	Subsurface Soil	2.5 - 4.5	VOCs	8260	8260
		CJ46-020	2084574.353	750685.556	Subsurface Soil	4.5 - 6.5	Radionuclides	HPGe	Alpha Spec
		CJ46-020	2084574.353	750685.556	Subsurface Soil	4.5 - 6.5	Metals	6200	6010
		CJ46-020	2084574.353	750685.556	Subsurface Soil	4.5 - 6.5	VOCs	8260	8260
		CJ46-020	2084574.353	750685.556	Subsurface Soil	6.5 – 8.5	Radionuclides	HPGe	Alpha Spec
		CJ46-020	2084574.353	750685.556	Subsurface Soil	6.5 – 8.5	Metals	6200	6010
		CJ46-020	2084574.353	750685.556	Subsurface Soil	6.5 – 8.5	VOCs	8260	8260
		CJ46-020	2084574.353	750685.556	Subsurface Soil	8.5 – 10.5	Radionuclides	HPGe	Alpha Spec
		CJ46-020	2084574.353	750685.556	Subsurface Soil	8.5 – 10.5	Metals	6200	6010
		CJ46-020	2084574.353	750685.556	Subsurface Soil	8.5 – 10.5	VOCs	8260	8260
		CJ46-021	2084578.534	750721.313	Surface Soil	0 - 0.5'	Radionuclides	HPGe	Alpha Spec
		CJ46-021	2084578.534	750721.313	Surface Soil	0 - 0.5'	Metals	6200	6010
		CJ46-021	2084578.534	750721.313	Subsurface Soil	0.5 - 2.5	Radionuclides	HPGe	8260
		CJ46-021	2084578.534	750721.313	Subsurface Soil	0.5 - 2.5	Metals	6200	6010
		CJ46-021	2084578.534	750721.313	Subsurface Soil	0.5 - 2.5	VOCs	8260	8260
		CJ46-021	2084578.534	750721.313	Subsurface Soil	2.5 - 4.5	Radionuclides	HPGe	Alpha Spec
		CJ46-021	2084578.534	750721.313	Subsurface Soil	2.5 - 4.5	Metals	6200	6010
		CJ46-021	2084578.534	750721.313	Subsurface Soil	2.5 - 4.5	VOCs	8260	8260
		CJ46-021	2084578.534	750721.313	Subsurface Soil	4.5 - 6.5	Radionuclides	HPGe	Alpha Spec
		CJ46-021	2084578.534	750721.313	Subsurface Soil	4.5 - 6.5	Metals	6200	6010
		CJ46-021	2084578.534	750721.313	Subsurface Soil	4.5 - 6.5	VOCs	8260	8260

IHSS Group	IHSS/PAC/UBC	Location	Easting	Northing	Media	Depth Interval	Analyte	On-Site Laboratory Method	Off-Site Laboratory Method
		CJ46-021	2084578.534	750721.313	Subsurface Soil	6.5 – 8.5	Radionuclides	HPGe	Alpha Spec
		CJ46-021	2084578.534	750721.313	Subsurface Soil	6.5 – 8.5	Metals	6200	6010
		CJ46-021	2084578.534	750721.313	Subsurface Soil	6.5 – 8.5	VOCs	8260	8260
		CJ46-021	2084578.534	750721.313	Subsurface Soil	8.5 – 10.5	Radionuclides	HPGe	Alpha Spec
		CJ46-021	2084578.534	750721.313	Subsurface Soil	8.5 – 10.5	Metals	6200	6010
		CJ46-021	2084578.534	750721.313	Subsurface Soil	8.5 – 10.5	VOCs	8260	8260