

**INDUSTRIAL AREA
SAMPLING AND ANALYSIS PLAN
FY03 ADDENDUM #IA-03-06
IHSS GROUP 400-3**

June 2003

**INDUSTRIAL AREA
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Approval received from the Colorado Department of Public Health and Environment.

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Approval letter contained in the Administrative Record.

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ACRONYMS

AL	action level
CDPHE	Colorado Department of Public Health and Environment
DOE	U.S. Department of Energy
DQO	data quality objective
EPA	U.S. Environmental Protection Agency
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
MARSSIM	Multi-Agency Radiation Survey and Site Investigation Manual
MDL	method detection limit
µg/kg	micrograms per kilogram
N/A	not applicable
OPWL	Original Process Waste Lines
PAC	Potential Area of Concern
PCB	polychlorinated biphenyl
pCi/g	picocuries per gram
PCOC	potential contaminant of concern
RFCA	Rocky Flats Cleanup Agreement
SAP	Sampling and Analysis Plan
UBC	Under Building Contamination
VOC	volatile organic compound
WRW	wildlife refuge worker

1.0 INTRODUCTION

This Industrial Area (IA) Sampling and Analysis Plan (SAP) (IASAP) (DOE 2001) Addendum #IA-03-06 includes Individual Hazardous Substance Site (IHSS) Group-specific information, sampling locations, and potential contaminants of concern (PCOCs) for IHSSs, Potential Areas of Concern (PACs), and Under Building Contamination (UBC) sites proposed for characterization. This IASAP Addendum is a supplement to the IASAP (DOE 2001) and includes data and proposed sampling locations for the IHSS Groups and associated IHSSs, PACs, and UBC sites listed in Table 1. The locations of the IHSS Group, IHSSs, PACs, and UBC sites proposed for IHSS Group 400-3 characterization are shown on Figure 1. The potential contaminants of concern, listed by IHSS, PAC, and UBC, are identified in Table 2.

Table 1
IASAP Addendum #IA-03-06 IHSS Group

IHSS Group	IHSS/PAC/UBC Site
400-3	UBC 444 – Building 444 Fabrication Facility
	UBC 447 – Building 447 Fabrication Facility
	400-116.1 – West Loading Dock-Building 447
	400-116.2 – South Loading Dock-Building 444
	400-136.1 – Cooling Tower Pond West of Building 444
	400-136.2 – Cooling Tower Pond East of Building 444
	400-182 – Building 444/453 Drum Storage Area
	400-207 – Inactive 444 Acid Dumpster
	400-208 – Inactive 444/447 Waste Storage Area
	400-801 – Transformer, Roof of Building 447
	400-810 – Beryllium Fire-Building 444
	000-121 – Known OPWL leaks
	000-121 – Tank 4-OPWL Process Waste Pits (B447)
	000-121 – Tank 5-OPWL Process Waste Tanks (B444)
	000-121 – Tank 6-Process Waste Floor Sump and Foundation Drain Floor (B444)

1.1 Existing Characterization Information

Existing concentrations and activities above the background means plus two standard deviations, or method detection limits (MDLs), are presented on Figure 2 and Figure 3.

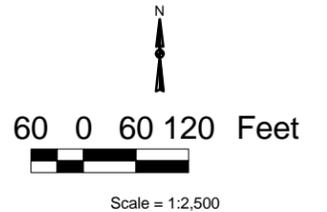
Figure 1

IHSS Group 400-3 Location Map

Key

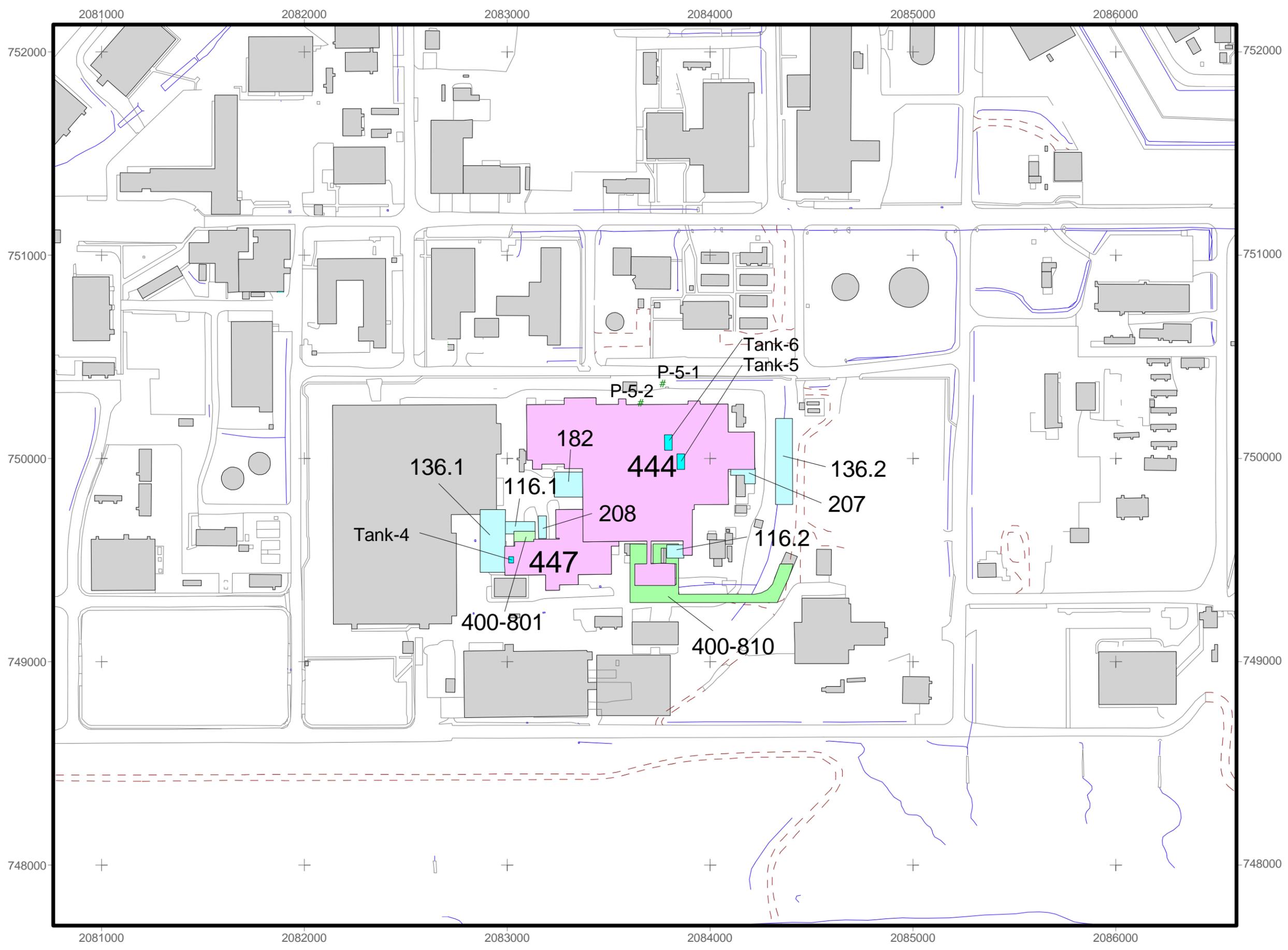
-  Paved area
-  Dirt road
-  Stream, ditch, or other drainage
-  Building
-  UBC site
-  IHSS
-  PAC
-  OPWL tank (000-121)
-  OPWL known leak (000-121)

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State Plane Coordinate Projection
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Existing data for these IHSSs, PACs, and UBC sites are available in Appendix C of the IASAP (DOE 2001), the Historical Release Reports (HRRs) (DOE 1992-2002), and the Industrial Area Data Summary Report (DOE 2000). PCOCs in this IHSS Group include radionuclides, metals, volatile organic compounds (VOCs), and occasionally polychlorinated biphenyls (PCBs).

1.2 Sampling

The proposed sampling specifications (number and types of samples) for IHSS Groups are listed in Tables 3 and 4 and shown on Figures 4 and 5. Proposed new sampling locations are the starting point for IHSS Group characterization. After characterization starts, the number and type of samples may change based on sampling results. Changes to sampling specifications will be considered in consultation with the regulatory agencies. 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. Additionally, the grids have been extended outside the IHSS, PAC, or UBC site to provide additional sampling locations if needed. Biased samples are based on existing data and supplement the statistical grid locations. The IASAP 11-meter statistical grid was not used to determine sampling locations beneath the building sites. Instead, sampling locations were determined based on an expanded grid, and additional biased samples were added as needed. The sampling locations along the expanded grid are considered biased rather than statistical, to ensure consistency with the IASAP data quality objectives (DQOs). This approach was chosen because of the following:

- Previous sampling results beneath the buildings indicated contaminant concentrations were below Rocky Flats Cleanup Agreement (RFCA) wildlife refuge worker (WRW) action levels (ALs).
- Many UBC site sampling locations were relocated to sample building features.
- This approach (using the expanded statistical grid coupled with collecting bias samples) provides sufficient sampling power and achieves a 90 percent confidence level consistent with the IASAP DQOs.

Statistical confidence in UBC and under-pad characterization sample sets greater than 90 percent will be maintained with the currently suggested grid spacing of 72 feet. Use of the appropriate statistical models, such as U.S. Environmental Protection Agency (EPA) QA/G-4, lognormal, or nonparametric methods (e.g., the Multi-Agency Radiation Survey and Site Investigation Manual [MARSSIM] [EPA et al. 1997] will corroborate, with better than 90 percent confidence, that enough samples were collected to draw final project conclusions. Geostatistical methods were not used to determine sampling locations for any IHSS Groups in this Addendum. Statistical sampling locations within a building footprint may be adjusted in the field to collect samples from specific building features.

In the case of these two UBC sites, groundwater has and continues to infiltrate the basement of Building 444 via a foundation drain that encircles that basement of Building 444. Currently, the water is being collected and sent to Building 891 for treatment. There exists the potential for a source of the contamination to be located either outside or underneath the Building 444 and 447 structures. With this in mind, a statistical sampling approach, coupled with a bias sampling strategy is intended to provide the necessary confidence in characterization, while realistically creating a manageable sampling effort. Statistical and bias sample points are located in areas that address areas of concern outside the building, the foundation drain, and other specific building features of interest (EG&G 1992 and DOE, 1994).

2.0 IHSS GROUP 400-3

2.1 Existing Characterization Information

Existing concentrations and activities above background means plus two standard deviations, or MDLs, are presented on Figures 2 and 3. Because of the number of data points, the existing data sampling locations were divided into two areas (northern and southern) and placed on separate maps. Together, Figures 2 and 3 graphically display the existing characterization information for this area, and represent the PCOCs for this IHSS Group. More specifically, the predominant analytes that were above the background means plus two standard deviations or MDLs, on both Figures 2 and 3, are radionuclides and organic compounds. No metals were detected at levels that warranted placement on the figures. Existing data for these IHSSs, PACs, and UBC sites are available in Appendix C of the IASAP (DOE 2001), the HRRs (DOE 1992-2002), and the Industrial Area Data Summary Report (DOE 2000).

2.2 Sampling

The proposed sampling specifications (number and types of samples) for the IHSS Group 400-3 UBC sites and Original Process Waste Lines (OPWL) IHSSs are listed in Table 3 and shown on Figure 4. To reiterate, the IASAP 11-meter grid was not used to determine sampling locations at UBC sites. Alternatively, a grid spacing of 72 feet was chosen for statistically sampling these UBC sites. In addition to the statistical sampling locations, biased sampling is proposed throughout Buildings 444 and 447. The number of samples proposed provides a high confidence level consistent with the IASAP DQOs. Two known OPWL leaks (P-5-1 and P-5-2) are being sampled. These samples are consistent with Attachment 14 of the RFCA Modification (DOE et al. 2003).

The proposed sampling specifications (number and types of samples) for the IHSSs and PACs in IHSS Group 400-3 are listed in Table 3 and shown on Figure 4. In essence, Figure 5 shows all of the sampling locations under the “footprint” of the Building 444/447 complex, and Figure 4 illustrates all of the sampling locations “outside” of the buildings. IHSS Group 400-3 only has samples targeting specific areas around the building structures. Most samples outside of the buildings in this area will be collected as part of the IASAP Addendum for IHSS Group 400-6, not IHSS Group 400-3.

3.0 REFERENCES

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

DOE, 1994, Technical Memorandum No. 1 – Investigations of Foundation Drains and Other Data Compilation Addendum to the Operable Unit 8 Work Plan, Rocky Flats Environmental Technology Site, Golden, Colorado, November.

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

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

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

EG&G, 1992, A Description of Rocky Flats Foundation Drains, Rocky Flats Plant, Golden, Colorado, November.

EPA, 1997, Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM), NUREG-1575, EPA 402-R-97-016, December.

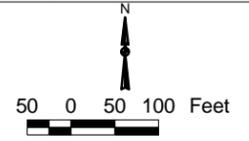
Figure 2

Existing Preaccelerated Action Surface Soil Sample Results Greater Than Background Means Plus Two Standard Deviations or Detection Limits (Northern Area)

Key

-  Building
-  UBC
-  Stream, ditch, or other drainage
-  Dirt road
-  Paved area
-  IHSS
-  PAC
-  # Surface soil sampling location greater than background means plus two standard deviations or MDLs
-  S Sampling location

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Scale = 1:2,500

State Plane Coordinate Projection
Colorado Central Zone
Datum: NAD 27

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Prepared by:


Prepared for:

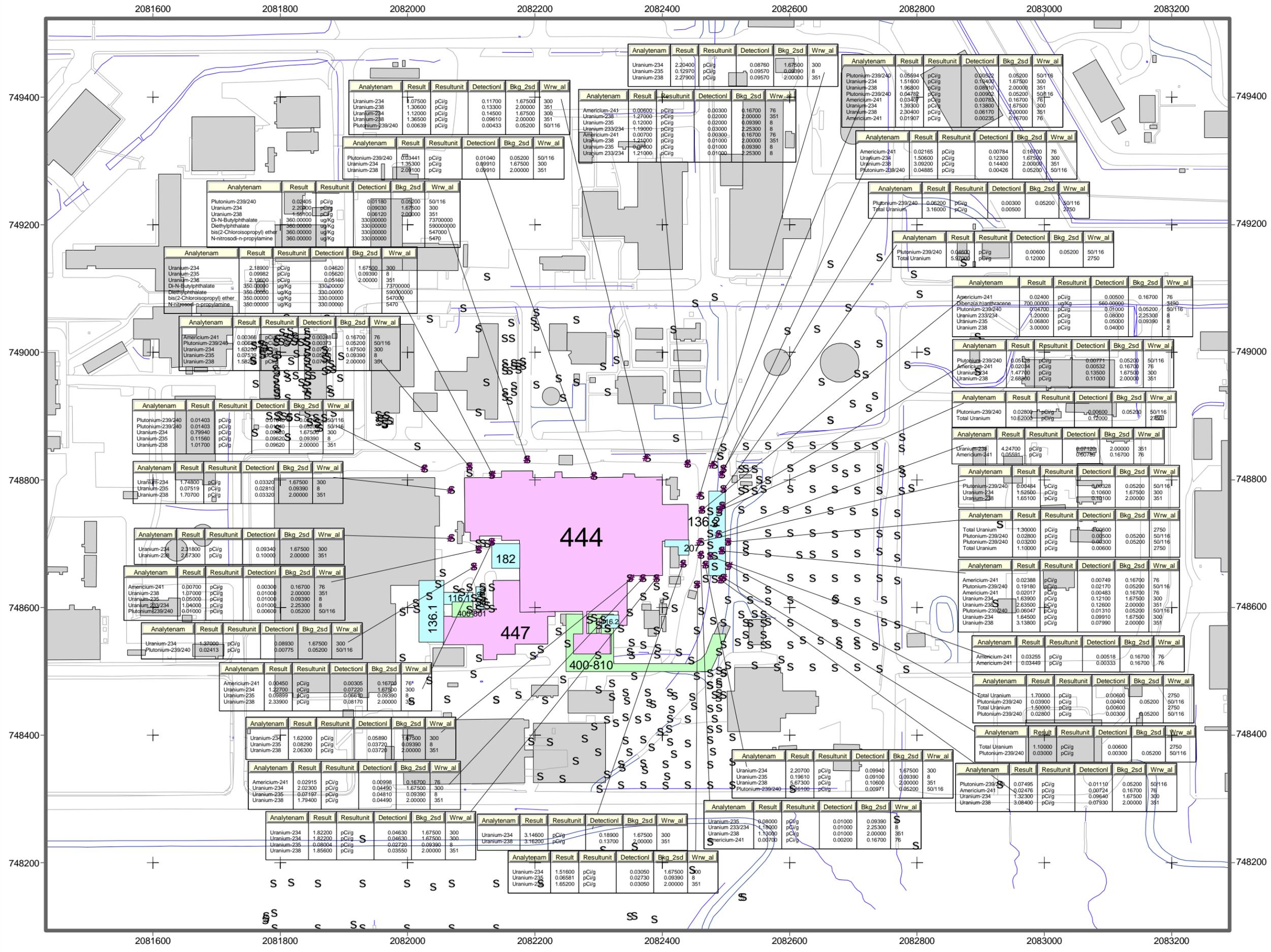



Figure 3

Existing Preaccelerated Action Surface Soil Sample Results Greater Than Background Means Plus Two Standard Deviations or Detection Limits (Southern Area)

Key

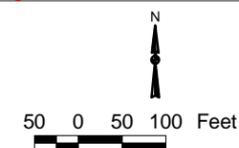
-  Building
-  UBC Site
-  Stream, ditch, or other drainage
-  Dirt road
-  Paved area
-  IHSS
-  PAC

Surface soil sampling location with results greater than background means plus two standard deviations or MDLs

#

S Sampling location

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Prepared for:



**Table 2
Potential Contaminants of Concern at IHSS Group 400-3**

IHSS Group	IHSS/PAC/UBC Site	PCOCs	Media	Data Source	Sampling Location Method
400-3	UBC 444 – Building 444 Fabrication Facility	Radionuclides Metals VOCs	Surface and Subsurface Soil	HRR (DOE 1992-2001) Process Knowledge (IASAP [DOE 2001])	Statistical and Biased
	UBC 447 – Building 447 Fabrication Facility	Radionuclides Metals VOCs	Surface and Subsurface Soil	HRR (DOE 1992-2001) Process Knowledge (IASAP [DOE 2001])	Statistical and Biased
	400-116.1 – West Loading Dock-Building 447	Radionuclides Metals	Surface and Subsurface Soil	HRR (DOE 1992-2001) Process Knowledge (IASAP [DOE 2001]) IA Data Summary Report (DOE 2000)	Statistical and Biased
	400-116.2 – South Loading Dock-Building 444	Radionuclides Metals VOCs	Surface and Subsurface Soil	HRR (DOE 1992-2001) Process Knowledge (IASAP [DOE 2001]) IA Data Summary Report (DOE 2000)	Statistical and Biased
	400-136.1 – Cooling Tower Pond West of Building 444	Radionuclides Metals VOCs	Surface and Subsurface Soil	HRR (DOE 1992-2001) Process Knowledge (IASAP [DOE 2001]) IA Data Summary Report (DOE 2000)	Statistical
	400-136.2 – Cooling Tower Pond East of Building 444	Radionuclides Metals VOCs	Surface and Subsurface Soil	HRR (DOE 1992-2001) Process Knowledge (IASAP [DOE 2001]) IA Data Summary Report (DOE 2000)	Statistical
	400-182 – Building 444/453 Drum Storage Area	Radionuclides Metals VOCs	Surface and Subsurface Soil	HRR (DOE 1992-2001) Process Knowledge (IASAP [DOE 2001]) IA Data Summary Report (DOE 2000)	Statistical and Biased

IHSS Group	IHSS/PAC/UBC Site	PCOCs	Media	Data Source	Sampling Location Method
	400-207 – Inactive 444 Acid Dumpster	Radionuclides Metals	Surface and Subsurface Soil	HRR (DOE 1992-2001) Process Knowledge (IASAP [DOE 2001]) IA Data Summary Report (DOE 2000)	Statistical and Biased
	400-208 – Inactive 444/447 Waste Storage Area	Radionuclides Metals VOCs	Surface and Subsurface Soil	HRR (DOE 1992-2001) Process Knowledge (IASAP [DOE 2001]) IA Data Summary Report (DOE 2000)	Statistical and Biased
	400-801 – Transformer, Roof of Building 447	Radionuclides Metals PCBs	Surface and Subsurface Soil	HRR (DOE 1992-2001) Process Knowledge (IASAP [DOE 2001]) IA Data Summary Report (DOE 2000)	Statistical and Biased
	400-810 – Beryllium Fire-Building 444	Radionuclides Metals	Surface and Subsurface Soil	HRR (DOE 1992-2001) Process Knowledge (IASAP [DOE 2001]) IA Data Summary Report (DOE 2000)	Statistical
	000-121 – Known OPWL Leaks	Radionuclides Metals VOCs	Subsurface	HRR (DOE 1992-2001) Process Knowledge (IASAP [DOE 2001])	Biased
	000-121 – Tank 4-OPWL Process Waste Pits	Radionuclides Metals VOCs	Surface and Subsurface Soil	HRR (DOE 1992-2001) Process Knowledge (IASAP [DOE 2001]) IA Data Summary Report (DOE 2000)	Biased
	000-121 – Tank 5-OPWL Process Waste Tanks	Radionuclides Metals VOCs	Surface and Subsurface Soil	HRR (DOE 1992-2001) Process Knowledge (IASAP [DOE 2001]) IA Data Summary Report (DOE 2000)	Biased
	000-121 – Tank 6-Process Waste Floor Sump and Foundation Drain Floor	Radionuclides Metals VOCs	Surface and Subsurface Soil	HRR (DOE 1992-2001) Process Knowledge (IASAP [DOE 2001]) IA Data Summary Report (DOE 2000)	Biased

Table 3
Sampling Specifications for IHSS Group 400-3 PACs and IHSSs

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Laboratory Method	Offsite Laboratory Method
400-3	IHSS 116.1 – West Loading Dock, Building 447	BW36-000A	2082096.055	748639.44	Surface Soil	0'-0.5'	Metals	N/A	6010
		BW36-000A	2082096.055	748639.44	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BW36-000B	2082096.055	748639.44	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BW36-000B	2082096.055	748639.44	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BW36-001A	2082061.65	748628.845	Surface Soil	0'-0.5'	Metals	N/A	6010
		BW36-001A	2082061.65	748628.845	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BW36-001B	2082061.65	748628.845	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BW36-001B	2082061.65	748628.845	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BW36-012A	2082028.5	748643.727	Surface Soil	0'-0.5'	Metals	N/A	6010
		BW36-012A	2082028.5	748643.727	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BW36-012B	2082028.5	748643.727	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BW36-012B	2082028.5	748643.727	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BW36-013A	2082026.473	748623.455	Surface Soil	0'-0.5'	Metals	N/A	6010

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Laboratory Method	Offsite Laboratory Method
		BW36-013A	2082026.473	748623.455	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BW36-013B	2082026.473	748623.455	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BW36-013B	2082026.473	748623.455	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BW36-014A	2082093.371	748623.455	Surface Soil	0'-0.5'	Metals	N/A	6010
		BW36-014A	2082093.371	748623.455	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BW36-014B	2082093.371	748623.455	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BW36-014B	2082093.371	748623.455	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
	IHSS 116.2 – South Loading Dock, Building 444	BY36-003A	2082391.373	748592.033	Surface Soil	0'-0.5'	Metals	N/A	6010
		BY36-003A	2082391.373	748592.033	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BY36-003A	2082391.373	748592.033	Surface Soil	0'-0.5'	VOCs	8260	8260
		BY36-003B	2082391.373	748592.033	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BY36-003B	2082391.373	748592.033	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BY36-003B	2082391.373	748592.033	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		BY36-004A	2082421.781	748593.047	Surface Soil	0'-0.5'	Metals	N/A	6010
		BY36-004A	2082421.781	748593.047	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Laboratory Method	Offsite Laboratory Method
		BY36-004A	2082421.781	748593.047	Surface Soil	0'-0.5'	VOCs	8260	8260
		BY36-004B	2082421.781	748593.047	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BY36-004B	2082421.781	748593.047	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BY36-004B	2082421.781	748593.047	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		BY36-005A	2082421.781	748570.747	Surface Soil	0'-0.5'	Metals	N/A	6010
		BY36-005A	2082421.781	748570.747	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BY36-005A	2082421.781	748570.747	Surface Soil	0'-0.5'	VOCs	8260	8260
		BY36-005B	2082421.781	748570.747	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BY36-005B	2082421.781	748570.747	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BY36-005B	2082421.781	748570.747	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		BY36-006A	2082391.373	748570.747	Surface Soil	0'-0.5'	Metals	N/A	6010
		BY36-006A	2082391.373	748570.747	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BY36-006A	2082391.373	748570.747	Surface Soil	0'-0.5'	VOCs	8260	8260
		BY36-006B	2082391.373	748570.747	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BY36-006B	2082391.373	748570.747	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Laboratory Method	Offsite Laboratory Method
		BY36-006B	2082391.373	748570.747	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
	IHSS 136.1 – Cooling Tower Pond West of Building 444	BW35-000A	2081980.34	748552.635	Surface Soil	0'-0.5'	Metals	N/A	6010
		BW35-000A	2081980.34	748552.635	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BW35-000A	2081980.34	748552.635	Surface Soil	0'-0.5'	VOCs	8260	8260
		BW35-000B	2081980.34	748552.635	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BW35-000B	2081980.34	748552.635	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BW35-000B	2081980.34	748552.635	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		BW35-001A	2082014.405	748540.992	Surface Soil	0'-0.5'	Metals	N/A	6010
		BW35-001A	2082014.405	748540.992	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BW35-001A	2082014.405	748540.992	Surface Soil	0'-0.5'	VOCs	8260	8260
		BW35-001B	2082014.405	748540.992	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BW35-001B	2082014.405	748540.992	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BW35-001B	2082014.405	748540.992	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		BW36-002A	2081993.557	748646.961	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BW36-002A	2081993.557	748646.961	Surface Soil	0'-0.5'	Metals	N/A	6010

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Laboratory Method	Offsite Laboratory Method
		BW36-002A	2081993.557	748646.961	Surface Soil	0'-0.5'	VOCs	8260	8260
		BW36-002B	2081993.557	748646.961	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BW36-002B	2081993.557	748646.961	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BW36-002B	2081993.557	748646.961	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		BW36-003A	2082020.672	748670.641	Surface Soil	0'-0.5'	Metals	N/A	6010
		BW36-003A	2082020.672	748670.641	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BW36-003A	2082020.672	748670.641	Surface Soil	0'-0.5'	VOCs	8260	8260
		BW36-003B	2082020.672	748670.641	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BW36-003B	2082020.672	748670.641	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BW36-003B	2082020.672	748670.641	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		BW36-004A	2082000.506	748611.638	Surface Soil	0'-0.5'	Metals	N/A	6010
		BW36-004A	2082000.506	748611.638	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BW36-004A	2082000.506	748611.638	Surface Soil	0'-0.5'	VOCs	8260	8260
		BW36-004B	2082000.506	748611.638	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BW36-004B	2082000.506	748611.638	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Laboratory Method	Offsite Laboratory Method	
		BW36-004B	2082000.506	748611.638	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260	
		BW36-005A	2082027.622	748635.318	Surface Soil	0'-0.5'	Metals	N/A	6010	
		BW36-005A	2082027.622	748635.318	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec	
		BW36-005A	2082027.622	748635.318	Surface Soil	0'-0.5'	VOCs	8260	8260	
		BW36-005B	2082027.622	748635.318	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010	
		BW36-005B	2082027.622	748635.318	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec	
		BW36-005B	2082027.622	748635.318	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260	
		BW36-006A	2082007.456	748576.315	Surface Soil	0'-0.5'	Metals	N/A	6010	
		BW36-006A	2082007.456	748576.315	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec	
		BW36-006A	2082007.456	748576.315	Surface Soil	0'-0.5'	VOCs	8260	8260	
		BW36-006B	2082007.456	748576.315	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010	
		BW36-006B	2082007.456	748576.315	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec	
		BW36-006B	2082007.456	748576.315	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260	
		IHSS 136.2 – Cooling Tower Pond East of Building 444	BZ36-000A	2082635.857	748749.947	Surface Soil	0'-0.5'	Metals	N/A	6010
			BZ36-000A	2082635.857	748749.947	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Laboratory Method	Offsite Laboratory Method
		BZ36-000B	2082635.857	748749.947	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BZ36-000B	2082635.857	748749.947	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BZ36-000B	2082635.857	748749.947	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		BZ36-000C	2082635.857	748749.947	Subsurface Soil	2.5'-4.5'	Metals	N/A	6010
		BZ36-000C	2082635.857	748749.947	Subsurface Soil	2.5'-4.5'	Radionuclides	HPGe	Alpha Spec
		BZ36-000C	2082635.857	748749.947	Subsurface Soil	2.5'-4.5'	VOCs	8260	8260
		BZ36-001A	2082654.053	748718.884	Surface Soil	0'-0.5'	Metals	N/A	6010
		BZ36-001A	2082654.053	748718.884	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BZ36-001B	2082654.053	748718.884	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BZ36-001B	2082654.053	748718.884	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BZ36-001B	2082654.053	748718.884	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		BZ36-001C	2082654.053	748718.884	Subsurface Soil	2.5'-4.5'	Metals	N/A	6010
		BZ36-001C	2082654.053	748718.884	Subsurface Soil	2.5'-4.5'	Radionuclides	HPGe	Alpha Spec
		BZ36-001C	2082654.053	748718.884	Subsurface Soil	2.5'-4.5'	VOCs	8260	8260
		BZ36-002A	2082636.25	748687.594	Surface Soil	0'-0.5'	Metals	N/A	6010

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Laboratory Method	Offsite Laboratory Method
		BZ36-002A	2082636.25	748687.594	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BZ36-002B	2082636.25	748687.594	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BZ36-002B	2082636.25	748687.594	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BZ36-002B	2082636.25	748687.594	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		BZ36-002C	2082636.25	748687.594	Subsurface Soil	2.5'-4.5'	Metals	N/A	6010
		BZ36-002C	2082636.25	748687.594	Subsurface Soil	2.5'-4.5'	Radionuclides	HPGe	Alpha Spec
		BZ36-002C	2082636.25	748687.594	Subsurface Soil	2.5'-4.5'	VOCs	8260	8260
		BZ37-000A	2082653.268	748843.589	Surface Soil	0'-0.5'	Metals	N/A	6010
		BZ37-000A	2082653.268	748843.589	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BZ37-000B	2082653.268	748843.589	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BZ37-000B	2082653.268	748843.589	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BZ37-000B	2082653.268	748843.589	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		BZ37-000C	2082653.268	748843.589	Subsurface Soil	2.5'-4.5'	Metals	N/A	6010
		BZ37-000C	2082653.268	748843.589	Subsurface Soil	2.5'-4.5'	Radionuclides	HPGe	Alpha Spec
		BZ37-000C	2082653.268	748843.589	Subsurface Soil	2.5'-4.5'	VOCs	8260	8260

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Laboratory Method	Offsite Laboratory Method
		BZ37-001A	2082635.465	748812.299	Surface Soil	0'-0.5'	Metals	N/A	6010
		BZ37-001A	2082635.465	748812.299	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BZ37-001B	2082635.465	748812.299	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BZ37-001B	2082635.465	748812.299	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BZ37-001B	2082635.465	748812.299	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		BZ37-001C	2082635.465	748812.299	Subsurface Soil	2.5'-4.5'	Metals	N/A	6010
		BZ37-001C	2082635.465	748812.299	Subsurface Soil	2.5'-4.5'	Radionuclides	HPGe	Alpha Spec
		BZ37-001C	2082635.465	748812.299	Subsurface Soil	2.5'-4.5'	VOCs	8260	8260
		BZ37-002A	2082653.66	748781.236	Surface Soil	0'-0.5'	Metals	N/A	6010
		BZ37-002A	2082653.66	748781.236	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BZ37-002B	2082653.66	748781.236	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BZ37-002B	2082653.66	748781.236	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BZ37-002B	2082653.66	748781.236	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		BZ37-002C	2082653.66	748781.236	Subsurface Soil	2.5'-4.5'	Metals	N/A	6010
		BZ37-002C	2082653.66	748781.236	Subsurface Soil	2.5'-4.5'	Radionuclides	HPGe	Alpha Spec

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Laboratory Method	Offsite Laboratory Method
		BZ37-002C	2082653.66	748781.236	Subsurface Soil	2.5'-4.5'	VOCs	8260	8260
	IHSS 182 – Building 444/453 Drum Storage Area	BX36-001A	2082197.773	748726.843	Surface Soil	0'-0.5'	Metals	N/A	6010
		BX36-001A	2082197.773	748726.843	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BX36-001A	2082197.773	748726.843	Surface Soil	0'-0.5'	VOCs	8260	8260
		BX36-001B	2082197.773	748726.843	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BX36-001B	2082197.773	748726.843	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BX36-001B	2082197.773	748726.843	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		BX36-002A	2082187.637	748753.197	Surface Soil	0'-0.5'	Metals	N/A	6010
		BX36-002A	2082187.637	748753.197	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BX36-002A	2082187.637	748753.197	Surface Soil	0'-0.5'	VOCs	8260	8260
		BX36-002B	2082187.637	748753.197	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BX36-002B	2082187.637	748753.197	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BX36-002B	2082187.637	748753.197	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		BX36-003A	2082145.066	748752.184	Surface Soil	0'-0.5'	Metals	N/A	6010
		BX36-003A	2082145.066	748752.184	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Laboratory Method	Offsite Laboratory Method
		BX36-003A	2082145.066	748752.184	Surface Soil	0'-0.5'	VOCs	8260	8260
		BX36-003B	2082145.066	748752.184	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BX36-003B	2082145.066	748752.184	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BX36-003B	2082145.066	748752.184	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		BX36-004A	2082145.066	748705.557	Surface Soil	0'-0.5'	Metals	N/A	6010
		BX36-004A	2082145.066	748705.557	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BX36-004A	2082145.066	748705.557	Surface Soil	0'-0.5'	VOCs	8260	8260
		BX36-004B	2082145.066	748705.557	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BX36-004B	2082145.066	748705.557	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BX36-004B	2082145.066	748705.557	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		BX36-005A	2082183.571	748738.333	Surface Soil	0'-0.5'	Metals	N/A	6010
		BX36-005A	2082183.571	748738.333	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BX36-005A	2082183.571	748738.333	Surface Soil	0'-0.5'	VOCs	8260	8260
		BX36-005B	2082183.571	748738.333	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BX36-005B	2082183.571	748738.333	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Laboratory Method	Offsite Laboratory Method	
		BX36-005B	2082183.571	748738.333	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260	
		BX36-006A	2082179.496	748702.564	Surface Soil	0'-0.5'	Metals	N/A	6010	
		BX36-006A	2082179.496	748702.564	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec	
		BX36-006A	2082179.496	748702.564	Surface Soil	0'-0.5'	VOCs	8260	8260	
		BX36-006B	2082179.496	748702.564	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010	
		BX36-006B	2082179.496	748702.564	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec	
		BX36-006B	2082179.496	748702.564	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260	
		BX36-007A	2082150.557	748723.977	Surface Soil	0'-0.5'	Metals	N/A	6010	
		BX36-007A	2082150.557	748723.977	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec	
		BX36-007A	2082150.557	748723.977	Surface Soil	0'-0.5'	VOCs	8260	8260	
		BX36-007B	2082150.557	748723.977	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010	
		BX36-007B	2082150.557	748723.977	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec	
		BX36-007B	2082150.557	748723.977	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260	
		IHSS 207 – Inactive Building 444 Acid Dumpster	BZ36-003A	2082540.134	748753.174	Surface Soil	0'-0.5'	Metals	N/A	6010
			BZ36-003A	2082540.134	748753.174	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Laboratory Method	Offsite Laboratory Method
		BZ36-003B	2082540.134	748753.174	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BZ36-003B	2082540.134	748753.174	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BZ36-004A	2082570.098	748733.221	Surface Soil	0'-0.5'	Metals	N/A	6010
		BZ36-004A	2082570.098	748733.221	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BZ36-004B	2082570.098	748733.221	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BZ36-004B	2082570.098	748733.221	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BZ36-005A	2082576.863	748759.279	Surface Soil	0'-0.5'	Metals	N/A	6010
		BZ36-005A	2082576.863	748759.279	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BZ36-005B	2082576.863	748759.279	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BZ36-005B	2082576.863	748759.279	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
	IHSS 208 – Inactive Building 444/447 Waste Storage Area	BW36-007A	2082114.163	748644.877	Surface Soil	0'-0.5'	Metals	N/A	6010
		BW36-007A	2082114.163	748644.877	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BW36-007A	2082114.163	748644.877	Surface Soil	0'-0.5'	VOCs	8260	8260
		BW36-007B	2082114.163	748644.877	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BW36-007B	2082114.163	748644.877	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Laboratory Method	Offsite Laboratory Method
		BW36-007B	2082114.163	748644.877	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		BW36-009A	2082113.644	748614.333	Surface Soil	0'-0.5'	Metals	N/A	6010
		BW36-009A	2082113.644	748614.333	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BW36-009A	2082113.644	748614.333	Surface Soil	0'-0.5'	VOCs	8260	8260
		BW36-009B	2082113.644	748614.333	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BW36-009B	2082113.644	748614.333	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BW36-009B	2082113.644	748614.333	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
	PAC 000-121 – Known OPWL Leaks	BX37-000D	2082331.57	748907.266	Subsurface Soil	4.5'-6.5'	Metals	N/A	6010
		BX37-000D	2082331.57	748907.266	Subsurface Soil	4.5'-6.5'	Radionuclides	HPGe	Alpha Spec
		BX37-000D	2082331.57	748907.266	Subsurface Soil	4.5'-6.5'	VOCs	8260	8260
		BX37-000E	2082331.57	748907.266	Subsurface Soil	6.5'-8.5'	Metals	N/A	6010
		BX37-000E	2082331.57	748907.266	Subsurface Soil	6.5'-8.5'	Radionuclides	HPGe	Alpha Spec
		BX37-000E	2082331.57	748907.266	Subsurface Soil	6.5'-8.5'	VOCs	8260	8260
		BY37-000D	2082379.209	748949.837	Subsurface Soil	4.5'-6.5'	Metals	N/A	6010
		BY37-000D	2082379.209	748949.837	Subsurface Soil	4.5'-6.5'	Radionuclides	HPGe	Alpha Spec

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Laboratory Method	Offsite Laboratory Method
		BY37-000D	2082379.209	748949.837	Subsurface Soil	4.5'-6.5'	VOCs	8260	8260
		BY37-000E	2082379.209	748949.837	Subsurface Soil	6.5'-8.5'	Metals	N/A	6010
		BY37-000E	2082379.209	748949.837	Subsurface Soil	6.5'-8.5'	Radionuclides	HPGe	Alpha Spec
		BY37-000E	2082379.209	748949.837	Subsurface Soil	6.5'-8.5'	VOCs	8260	8260
	PAC 400-801 – Transformer, Roof of Building 447	BW36-008A	2082072.08	748625.037	Surface Soil	0'-0.5'	Metals	N/A	6010
		BW36-008A	2082072.08	748625.037	Surface Soil	0'-0.5'	PCBs	N/A	8082
		BW36-008A	2082072.08	748625.037	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BW36-008B	2082072.08	748625.037	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BW36-008B	2082072.08	748625.037	Subsurface Soil	0.5'-2.5'	PCBs	N/A	8082
		BW36-008B	2082072.08	748625.037	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BW36-010A	2082053.841	748606.224	Surface Soil	0'-0.5'	Metals	N/A	6010
		BW36-010A	2082053.841	748606.224	Surface Soil	0'-0.5'	PCBs	N/A	8082
		BW36-010A	2082053.841	748606.224	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BW36-010B	2082053.841	748606.224	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
BW36-010B	2082053.841	748606.224	Subsurface Soil	0.5'-2.5'	PCBs	N/A	8082		

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Laboratory Method	Offsite Laboratory Method
		BW36-010B	2082053.841	748606.224	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BW36-011A	2082090.331	748609.265	Surface Soil	0'-0.5'	Metals	N/A	6010
		BW36-011A	2082090.331	748609.265	Surface Soil	0'-0.5'	PCBs	N/A	8082
		BW36-011A	2082090.331	748609.265	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BW36-011B	2082090.331	748609.265	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BW36-011B	2082090.331	748609.265	Subsurface Soil	0.5'-2.5'	PCBs	N/A	8082
		BW36-011B	2082090.331	748609.265	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
	PAC 400-810 – Beryllium Fire, Building 444	BX35-000A	2082320.289	748546.045	Surface Soil	0'-0.5'	Metals	N/A	6010
		BX35-000A	2082320.289	748546.045	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BX35-000B	2082320.289	748546.045	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BX35-000B	2082320.289	748546.045	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BX36-000A	2082311.56	748580.971	Surface Soil	0'-0.5'	Metals	N/A	6010
		BX36-000A	2082311.56	748580.971	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BX36-000B	2082311.56	748580.971	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BX36-000B	2082311.56	748580.971	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Laboratory Method	Offsite Laboratory Method
		BY35-000A	2082527.955	748486.626	Surface Soil	0'-0.5'	Metals	N/A	6010
		BY35-000A	2082527.955	748486.626	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BY35-000B	2082527.955	748486.626	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BY35-000B	2082527.955	748486.626	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BY35-001A	2082363.629	748501.216	Surface Soil	0'-0.5'	Metals	N/A	6010
		BY35-001A	2082363.629	748501.216	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BY35-001B	2082363.629	748501.216	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BY35-001B	2082363.629	748501.216	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BY35-002A	2082398.24	748491.313	Surface Soil	0'-0.5'	Metals	N/A	6010
		BY35-002A	2082398.24	748491.313	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BY35-002B	2082398.24	748491.313	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BY35-002B	2082398.24	748491.313	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BY35-003A	2082432.851	748481.41	Surface Soil	0'-0.5'	Metals	N/A	6010
		BY35-003A	2082432.851	748481.41	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BY35-003B	2082432.851	748481.41	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Laboratory Method	Offsite Laboratory Method
		BY35-003B	2082432.851	748481.41	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BY35-004A	2082467.462	748471.507	Surface Soil	0'-0.5'	Metals	N/A	6010
		BY35-004A	2082467.462	748471.507	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BY35-004B	2082467.462	748471.507	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BY35-004B	2082467.462	748471.507	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BY35-005A	2082337.747	748476.194	Surface Soil	0'-0.5'	Metals	N/A	6010
		BY35-005A	2082337.747	748476.194	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BY35-005B	2082337.747	748476.194	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BY35-005B	2082337.747	748476.194	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BY36-001A	2082372.053	748596.09	Surface Soil	0'-0.5'	Metals	N/A	6010
		BY36-001A	2082372.053	748596.09	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BY36-001B	2082372.053	748596.09	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BY36-001B	2082372.053	748596.09	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BY36-002A	2082406.664	748586.187	Surface Soil	0'-0.5'	Metals	N/A	6010
		BY36-002A	2082406.664	748586.187	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec

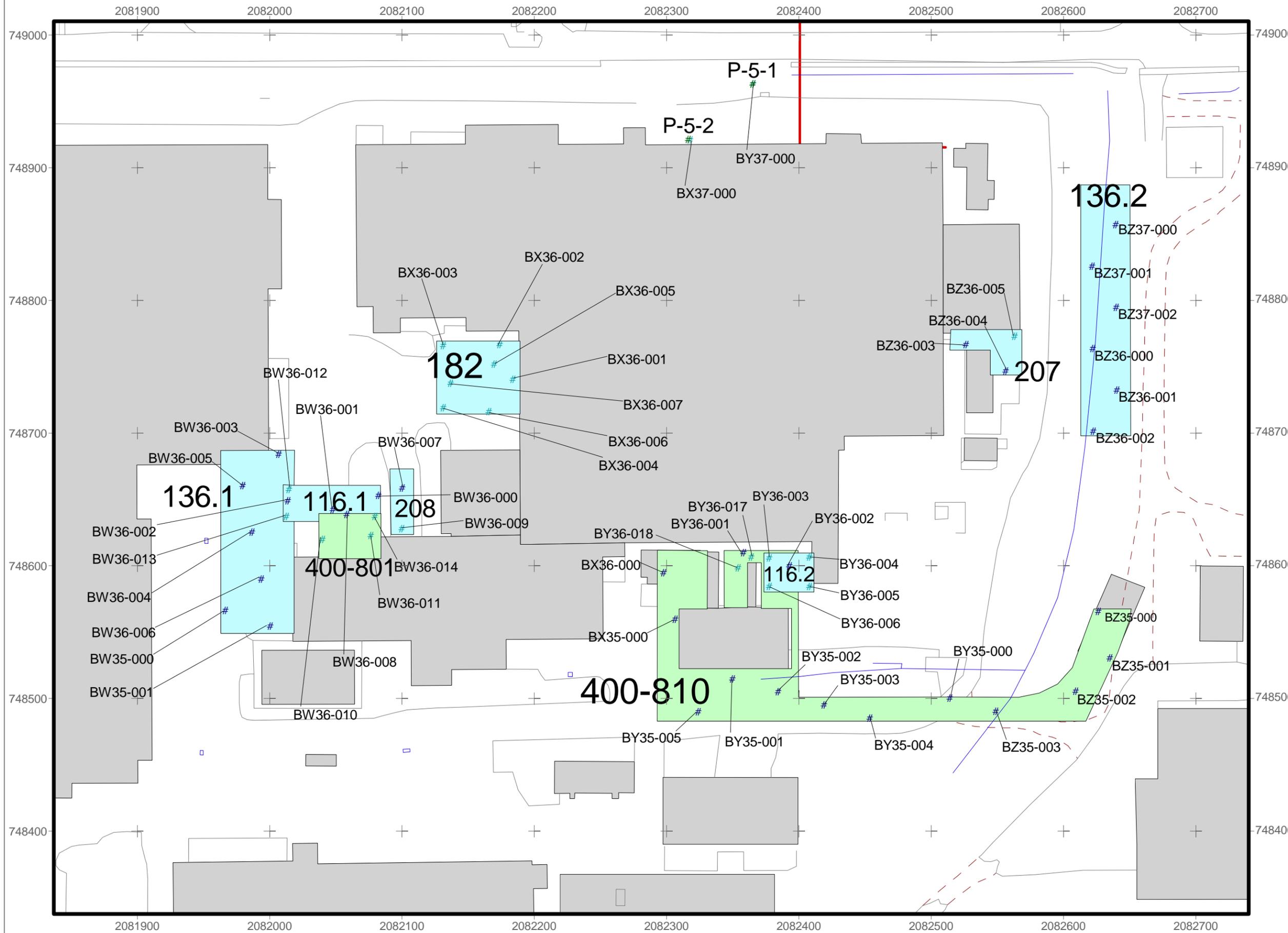
IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Laboratory Method	Offsite Laboratory Method
		BY36-002A	2082406.664	748586.187	Surface Soil	0'-0.5'	VOCs	8260	8260
		BY36-002B	2082406.664	748586.187	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BY36-002B	2082406.664	748586.187	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BY36-002B	2082406.664	748586.187	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		BY36-017A	2082377.870	748592.857	Surface Soil	0'-0.5'	Metals	N/A	6010
		BY36-017A	2082377.870	748592.857	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BY36-017A	2082377.870	748592.857	Surface Soil	0'-0.5'	VOCs	8260	8260
		BY36-017B	2082377.870	748592.857	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BY36-017B	2082377.870	748592.857	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BY36-017B	2082377.870	748592.857	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		BY36-018A	2082367.955	748585.002	Surface Soil	0'-0.5'	Metals	N/A	6010
		BY36-018A	2082367.955	748585.002	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BY36-018A	2082367.955	748585.002	Surface Soil	0'-0.5'	VOCs	8260	8260
		BY36-018B	2082367.955	748585.002	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BY36-018B	2082367.955	748585.002	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Laboratory Method	Offsite Laboratory Method
		BY36-018B	2082367.955	748585.002	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		BZ35-000A	2082640.212	748551.79	Surface Soil	0'-0.5'	Metals	N/A	6010
		BZ35-000A	2082640.212	748551.79	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BZ35-000B	2082640.212	748551.79	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BZ35-000B	2082640.212	748551.79	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BZ35-001A	2082648.941	748516.865	Surface Soil	0'-0.5'	Metals	N/A	6010
		BZ35-001A	2082648.941	748516.865	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BZ35-001B	2082648.941	748516.865	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BZ35-001B	2082648.941	748516.865	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BZ35-002A	2082623.059	748491.842	Surface Soil	0'-0.5'	Metals	N/A	6010
		BZ35-002A	2082623.059	748491.842	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BZ35-002B	2082623.059	748491.842	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BZ35-002B	2082623.059	748491.842	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BZ35-003A	2082562.566	748476.723	Surface Soil	0'-0.5'	Metals	N/A	6010
		BZ35-003A	2082562.566	748476.723	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Laboratory Method	Offsite Laboratory Method
		BZ35-003B	2082562.566	748476.723	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BZ35-003B	2082562.566	748476.723	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec

Figure 4

IHSS Group 400-3 Proposed Sampling Locations for Outside IHSSs, PACs, and OPWL Leaks



Key

- Paved area
- Dirt road
- Stream, ditch, or other drainage
- Building
- IHSS
- PAC
- Known OPWL leak
- Statistical sampling location
- Biased sampling location

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North arrow pointing up.

Scale bar: 50 0 50 Feet

Scale = 1: 850

State Plane Coordinate Projection
Colorado Central Zone
Datum: NAD 27

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



**Table 4
Sampling Specifications for UBC Sites 444 and 447**

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Laboratory Method	Offsite Laboratory Method
400-3	UBC 444 – Trench/Pit location	BW37-000A	2082086.821	748789.521	Surface Soil	0'-0.5'	Metals	N/A	6010
		BW37-000A	2082086.821	748789.521	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BW37-000A	2082086.821	748789.521	Surface Soil	0'-0.5'	VOCs	8260	8260
		BW37-000B	2082086.821	748789.521	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BW37-000B	2082086.821	748789.521	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BW37-000B	2082086.821	748789.521	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
	UBC 444 – Trench/Pit location	BW37-001A	2082126.365	748848.513	Surface Soil	0'-0.5'	Metals	N/A	6010
		BW37-001A	2082126.365	748848.513	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BW37-001A	2082126.365	748848.513	Surface Soil	0'-0.5'	VOCs	8260	8260
		BW37-001B	2082126.365	748848.513	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BW37-001B	2082126.365	748848.513	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BW37-001B	2082126.365	748848.513	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
	UBC 444 – Statistical location	BW37-002A	2082095.287	748870.064	Surface Soil	0'-0.5'	Metals	N/A	6010
		BW37-002A	2082095.287	748870.064	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Laboratory Method	Offsite Laboratory Method
		BW37-002A	2082095.287	748870.064	Surface Soil	0'-0.5'	VOCs	8260	8260
		BW37-002B	2082095.287	748870.064	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BW37-002B	2082095.287	748870.064	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BW37-002B	2082095.287	748870.064	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		BX35-003A	2082333.001	748547.27	Surface Soil	0'-0.5'	Metals	N/A	6010
		BX35-003A	2082333.001	748547.27	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BX35-003A	2082333.001	748547.27	Surface Soil	0'-0.5'	VOCs	8260	8260
		BX35-003B	2082333.001	748547.27	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BX35-003B	2082333.001	748547.27	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BX35-003B	2082333.001	748547.27	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
	UBC 444 – Statistical location	BX36-011A	2082300.058	748667.548	Surface Soil	0'-0.5'	Metals	N/A	6010
		BX36-011A	2082300.058	748667.548	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BX36-011A	2082300.058	748667.548	Surface Soil	0'-0.5'	VOCs	8260	8260
		BX36-011B	2082300.058	748667.548	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BX36-011B	2082300.058	748667.548	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BX36-011B	2082300.058	748667.548	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Laboratory Method	Offsite Laboratory Method
		BX36-012A	2082230.616	748648.528	Surface Soil	0'-0.5'	Metals	N/A	6010
		BX36-012A	2082230.616	748648.528	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BX36-012A	2082230.616	748648.528	Surface Soil	0'-0.5'	VOCs	8260	8260
		BX36-012B	2082230.616	748648.528	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BX36-012B	2082230.616	748648.528	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BX36-012B	2082230.616	748648.528	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		BX36-013A	2082318.308	748737.196	Surface Soil	0'-0.5'	Metals	N/A	6010
		BX36-013A	2082318.308	748737.196	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BX36-013A	2082318.308	748737.196	Surface Soil	0'-0.5'	VOCs	8260	8260
		BX36-013B	2082318.308	748737.196	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BX36-013B	2082318.308	748737.196	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BX36-013B	2082318.308	748737.196	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		BX36-014A	2082248.865	748718.177	Surface Soil	0'-0.5'	Metals	N/A	6010
		BX36-014A	2082248.865	748718.177	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BX36-014A	2082248.865	748718.177	Surface Soil	0'-0.5'	VOCs	8260	8260
		BX36-014B	2082248.865	748718.177	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Laboratory Method	Offsite Laboratory Method
		BX36-014B	2082248.865	748718.177	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BX36-014B	2082248.865	748718.177	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
	UBC 444 – Trench/Pit location	BX37-001A	2082147.758	748787.576	Surface Soil	0'-0.5'	Metals	N/A	6010
		BX37-001A	2082147.758	748787.576	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BX37-001A	2082147.758	748787.576	Surface Soil	0'-0.5'	VOCs	8260	8260
		BX37-001B	2082147.758	748787.576	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BX37-001B	2082147.758	748787.576	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BX37-001B	2082147.758	748787.576	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		BX37-001B	2082147.758	748787.576	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
	UBC 444 – Sump location	BX37-002A	2082206.101	748853.05	Surface Soil	0'-0.5'	Metals	N/A	6010
		BX37-002A	2082206.101	748853.05	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BX37-002A	2082206.101	748853.05	Surface Soil	0'-0.5'	VOCs	8260	8260
		BX37-002B	2082206.101	748853.05	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BX37-002B	2082206.101	748853.05	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BX37-002B	2082206.101	748853.05	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		BX37-003A	2082246.293	748779.797	Surface Soil	0'-0.5'	Metals	N/A	6010
BX37-003A		2082246.293	748779.797	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec	

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Laboratory Method	Offsite Laboratory Method
		BX37-003A	2082246.293	748779.797	Surface Soil	0'-0.5'	VOCs	8260	8260
		BX37-003B	2082246.293	748779.797	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BX37-003B	2082246.293	748779.797	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BX37-003B	2082246.293	748779.797	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
	UBC 444 – Sump location	BX37-004A	2082297.506	748808.321	Surface Soil	0'-0.5'	Metals	N/A	6010
		BX37-004A	2082297.506	748808.321	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BX37-004A	2082297.506	748808.321	Surface Soil	0'-0.5'	VOCs	8260	8260
		BX37-004B	2082297.506	748808.321	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BX37-004B	2082297.506	748808.321	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BX37-004B	2082297.506	748808.321	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
	UBC 444 – Statistical location	BX37-005A	2082336.557	748806.845	Surface Soil	0'-0.5'	Metals	N/A	6010
		BX37-005A	2082336.557	748806.845	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BX37-005A	2082336.557	748806.845	Surface Soil	0'-0.5'	VOCs	8260	8260
		BX37-005B	2082336.557	748806.845	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BX37-005B	2082336.557	748806.845	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BX37-005B	2082336.557	748806.845	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Laboratory Method	Offsite Laboratory Method
		BX37-006A	2082267.115	748787.825	Surface Soil	0'-0.5'	Metals	N/A	6010
		BX37-006A	2082267.115	748787.825	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BX37-006A	2082267.115	748787.825	Surface Soil	0'-0.5'	VOCs	8260	8260
		BX37-006B	2082267.115	748787.825	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BX37-006B	2082267.115	748787.825	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BX37-006B	2082267.115	748787.825	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		BX37-007A	2082197.672	748768.806	Surface Soil	0'-0.5'	Metals	N/A	6010
		BX37-007A	2082197.672	748768.806	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BX37-007A	2082197.672	748768.806	Surface Soil	0'-0.5'	VOCs	8260	8260
		BX37-007B	2082197.672	748768.806	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BX37-007B	2082197.672	748768.806	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BX37-007B	2082197.672	748768.806	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		BX37-008A	2082285.364	748857.474	Surface Soil	0'-0.5'	Metals	N/A	6010
		BX37-008A	2082285.364	748857.474	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BX37-008A	2082285.364	748857.474	Surface Soil	0'-0.5'	VOCs	8260	8260
		BX37-008B	2082285.364	748857.474	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Laboratory Method	Offsite Laboratory Method
		BX37-008B	2082285.364	748857.474	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BX37-008B	2082285.364	748857.474	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		BX37-009A	2082215.922	748838.454	Surface Soil	0'-0.5'	Metals	N/A	6010
		BX37-009A	2082215.922	748838.454	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BX37-009A	2082215.922	748838.454	Surface Soil	0'-0.5'	VOCs	8260	8260
		BX37-009B	2082215.922	748838.454	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BX37-009B	2082215.922	748838.454	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BX37-009B	2082215.922	748838.454	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		BX37-010A	2082146.48	748819.435	Surface Soil	0'-0.5'	Metals	N/A	6010
		BX37-010A	2082146.48	748819.435	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BX37-010A	2082146.48	748819.435	Surface Soil	0'-0.5'	VOCs	8260	8260
		BX37-010B	2082146.48	748819.435	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BX37-010B	2082146.48	748819.435	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BX37-010B	2082146.48	748819.435	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		BX37-011A	2082164.729	748889.083	Surface Soil	0'-0.5'	Metals	N/A	6010
		BX37-011A	2082164.729	748889.083	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Laboratory Method	Offsite Laboratory Method
		BX37-011A	2082164.729	748889.083	Surface Soil	0'-0.5'	VOCs	8260	8260
		BX37-011B	2082164.729	748889.083	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BX37-011B	2082164.729	748889.083	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BX37-011B	2082164.729	748889.083	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
	UBC 444 – OPWL/tanks/berms and foundation drain	BY36-007A	2082432.502	748583.4	Surface Soil	0'-0.5'	Metals	N/A	6010
		BY36-007A	2082432.502	748583.4	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BY36-007A	2082432.502	748583.4	Surface Soil	0'-0.5'	VOCs	8260	8260
		BY36-007B	2082432.502	748583.4	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BY36-007B	2082432.502	748583.4	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BY36-007B	2082432.502	748583.4	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
	UBC 444 – OPWL below grade and foundation drain	BY36-008A	2082438.926	748607.487	Surface Soil	0'-0.5'	Metals	N/A	6010
		BY36-008A	2082438.926	748607.487	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BY36-008A	2082438.926	748607.487	Surface Soil	0'-0.5'	VOCs	8260	8260
		BY36-008B	2082438.926	748607.487	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BY36-008B	2082438.926	748607.487	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BY36-008B	2082438.926	748607.487	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Laboratory Method	Offsite Laboratory Method
	UBC 444 – Statistical replacement and foundation drain	BY36-009A	2082384.328	748686.173	Surface Soil	0'-0.5'	Metals	N/A	6010
		BY36-009A	2082384.328	748686.173	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BY36-009A	2082384.328	748686.173	Surface Soil	0'-0.5'	VOCs	8260	8260
		BY36-009B	2082384.328	748686.173	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BY36-009B	2082384.328	748686.173	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BY36-009B	2082384.328	748686.173	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
	UBC 444 – Elevator pit	BY36-010A	2082447.758	748739.968	Surface Soil	0'-0.5'	Metals	N/A	6010
		BY36-010A	2082447.758	748739.968	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BY36-010A	2082447.758	748739.968	Surface Soil	0'-0.5'	VOCs	8260	8260
		BY36-010B	2082447.758	748739.968	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BY36-010B	2082447.758	748739.968	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BY36-010B	2082447.758	748739.968	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
	UBC 444 – Statistical location	BY36-011A	2082420.693	748635.938	Surface Soil	0'-0.5'	Metals	N/A	6010
		BY36-011A	2082420.693	748635.938	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BY36-011A	2082420.693	748635.938	Surface Soil	0'-0.5'	VOCs	8260	8260
		BY36-011B	2082420.693	748635.938	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Laboratory Method	Offsite Laboratory Method
		BY36-011B	2082420.693	748635.938	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BY36-011B	2082420.693	748635.938	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		BY36-012A	2082351.251	748616.919	Surface Soil	0'-0.5'	Metals	N/A	6010
		BY36-012A	2082351.251	748616.919	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BY36-012A	2082351.251	748616.919	Surface Soil	0'-0.5'	VOCs	8260	8260
		BY36-012B	2082351.251	748616.919	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BY36-012B	2082351.251	748616.919	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BY36-012B	2082351.251	748616.919	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
	UBC 444 – Statistical location	BY36-013A	2082508.385	748724.607	Surface Soil	0'-0.5'	Metals	N/A	6010
		BY36-013A	2082508.385	748724.607	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BY36-013A	2082508.385	748724.607	Surface Soil	0'-0.5'	VOCs	8260	8260
		BY36-013B	2082508.385	748724.607	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BY36-013B	2082508.385	748724.607	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BY36-013B	2082508.385	748724.607	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
	UBC 444 – Statistical location and foundation drain	BY36-014A	2082438.943	748705.587	Surface Soil	0'-0.5'	Metals	N/A	6010
		BY36-014A	2082438.943	748705.587	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Laboratory Method	Offsite Laboratory Method
		BY36-014A	2082438.943	748705.587	Surface Soil	0'-0.5'	VOCs	8260	8260
		BY36-014B	2082438.943	748705.587	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BY36-014B	2082438.943	748705.587	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BY36-014B	2082438.943	748705.587	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
	UBC 444 – Statistical location and foundation drain	BY36-016A	2082387.75	748756.216	Surface Soil	0'-0.5'	Metals	N/A	6010
		BY36-016A	2082387.75	748756.216	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BY36-016A	2082387.75	748756.216	Surface Soil	0'-0.5'	VOCs	8260	8260
		BY36-016B	2082387.75	748756.216	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BY36-016B	2082387.75	748756.216	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BY36-016B	2082387.75	748756.216	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
	UBC 444 – Sump location and foundation drain	BY37-001A	2082359.738	748819.341	Surface Soil	0'-0.5'	Metals	N/A	6010
		BY37-001A	2082359.738	748819.341	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BY37-001A	2082359.738	748819.341	Surface Soil	0'-0.5'	VOCs	8260	8260
		BY37-001B	2082359.738	748819.341	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BY37-001B	2082359.738	748819.341	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BY37-001B	2082359.738	748819.341	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Laboratory Method	Offsite Laboratory Method
	UBC 444 – Sump location	BY37-002A	2082348.718	748899.077	Surface Soil	0'-0.5'	Metals	N/A	6010
		BY37-002A	2082348.718	748899.077	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BY37-002A	2082348.718	748899.077	Surface Soil	0'-0.5'	VOCs	8260	8260
		BY37-002B	2082348.718	748899.077	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BY37-002B	2082348.718	748899.077	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BY37-002B	2082348.718	748899.077	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		BY37-003A	2082377.241	748899.077	Surface Soil	0'-0.5'	Metals	N/A	6010
		BY37-003A	2082377.241	748899.077	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BY37-003A	2082377.241	748899.077	Surface Soil	0'-0.5'	VOCs	8260	8260
		BY37-003B	2082377.241	748899.077	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BY37-003B	2082377.241	748899.077	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BY37-003B	2082377.241	748899.077	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		BY37-004A	2082413.544	748884.815	Surface Soil	0'-0.5'	Metals	N/A	6010
		BY37-004A	2082413.544	748884.815	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BY37-004A	2082413.544	748884.815	Surface Soil	0'-0.5'	VOCs	8260	8260
		BY37-004B	2082413.544	748884.815	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Laboratory Method	Offsite Laboratory Method
		BY37-004B	2082413.544	748884.815	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BY37-004B	2082413.544	748884.815	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
	UBC 444 – Sample in pit/under grate	BY37-005A	2082514.672	748803.783	Surface Soil	0'-0.5'	Metals	N/A	6010
		BY37-005A	2082514.672	748803.783	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BY37-005A	2082514.672	748803.783	Surface Soil	0'-0.5'	VOCs	8260	8260
		BY37-005B	2082514.672	748803.783	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BY37-005B	2082514.672	748803.783	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BY37-005B	2082514.672	748803.783	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		UBC 444 – Foundation drain and OPWL below grade	BY37-006A	2082366.663	748772.085	Surface Soil	0'-0.5'	Metals	N/A
	BY37-006A		2082366.663	748772.085	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
	BY37-006A		2082366.663	748772.085	Surface Soil	0'-0.5'	VOCs	8260	8260
	BY37-006B		2082366.663	748772.085	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
	BY37-006B		2082366.663	748772.085	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
	BY37-006B		2082366.663	748772.085	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
	UBC 444 – Statistical replacement	BY37-007A	2082393.962	748818.654	Surface Soil	0'-0.5'	Metals	N/A	6010
		BY37-007A	2082393.962	748818.654	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Laboratory Method	Offsite Laboratory Method
		BY37-007A	2082393.962	748818.654	Surface Soil	0'-0.5'	VOCs	8260	8260
		BY37-007B	2082393.962	748818.654	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BY37-007B	2082393.962	748818.654	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BY37-007B	2082393.962	748818.654	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
	IHSS 000-121 – Tank 5 Process Waste Tanks	BY37-008A	2082463.013	748799.384	Surface Soil	0'-0.5'	Metals	N/A	6010
		BY37-008A	2082463.013	748799.384	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BY37-008A	2082463.013	748799.384	Surface Soil	0'-0.5'	VOCs	8260	8260
		BY37-008B	2082463.013	748799.384	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BY37-008B	2082463.013	748799.384	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BY37-008B	2082463.013	748799.384	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
	IHSS 000-121 – Tank 6 Process Waste Floor Sump and Foundation Drain Floor	BY37-009A	2082443.743	748805.807	Surface Soil	0'-0.5'	Metals	N/A	6010
		BY37-009A	2082443.743	748805.807	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BY37-009A	2082443.743	748805.807	Surface Soil	0'-0.5'	VOCs	8260	8260
		BY37-009B	2082443.743	748805.807	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BY37-009B	2082443.743	748805.807	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BY37-009B	2082443.743	748805.807	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Laboratory Method	Offsite Laboratory Method
	UBC 444 – Foundation drain and Room 1 entrance in basement	BY37-010A	2082433.305	748821.877	Surface Soil	0'-0.5'	Metals	N/A	6010
		BY37-010A	2082433.305	748821.877	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BY37-010A	2082433.305	748821.877	Surface Soil	0'-0.5'	VOCs	8260	8260
		BY37-010B	2082433.305	748821.877	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BY37-010B	2082433.305	748821.877	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BY37-010B	2082433.305	748821.877	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
	UBC 444 – Statistical location	BY37-011A	2082526.635	748794.256	Surface Soil	0'-0.5'	Metals	N/A	6010
		BY37-011A	2082526.635	748794.256	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BY37-011A	2082526.635	748794.256	Surface Soil	0'-0.5'	VOCs	8260	8260
		BY37-011B	2082526.635	748794.256	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BY37-011B	2082526.635	748794.256	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BY37-011B	2082526.635	748794.256	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		BY37-012A	2082457.192	748775.236	Surface Soil	0'-0.5'	Metals	N/A	6010
		BY37-012A	2082457.192	748775.236	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BY37-012A	2082457.192	748775.236	Surface Soil	0'-0.5'	VOCs	8260	8260
		BY37-012B	2082457.192	748775.236	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Laboratory Method	Offsite Laboratory Method	
		BY37-012B	2082457.192	748775.236	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec	
		BY37-012B	2082457.192	748775.236	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260	
		BY37-013A	2082475.442	748844.885	Surface Soil	0'-0.5'	Metals	N/A	6010	
		BY37-013A	2082475.442	748844.885	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec	
		BY37-013A	2082475.442	748844.885	Surface Soil	0'-0.5'	VOCs	8260	8260	
		BY37-013B	2082475.442	748844.885	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010	
		BY37-013B	2082475.442	748844.885	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec	
		BY37-013B	2082475.442	748844.885	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260	
		BY37-016A	2082354.807	748876.494	Surface Soil	0'-0.5'	Metals	N/A	6010	
		BY37-016A	2082354.807	748876.494	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec	
		BY37-016A	2082354.807	748876.494	Surface Soil	0'-0.5'	VOCs	8260	8260	
		BY37-016B	2082354.807	748876.494	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010	
		BY37-016B	2082354.807	748876.494	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec	
		BY37-016B	2082354.807	748876.494	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260	
		UBC 447 – OPWL below grade	BW35-002A	2082068.888	748552.885	Surface Soil	0'-0.5'	Metals	N/A	6010
			BW35-002A	2082068.888	748552.885	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Laboratory Method	Offsite Laboratory Method
		BW35-002A	2082068.888	748552.885	Surface Soil	0'-0.5'	VOCs	8260	8260
		BW35-002B	2082068.888	748552.885	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BW35-002B	2082068.888	748552.885	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BW35-002B	2082068.888	748552.885	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
	IHSS 000-121 – Tank 4 Process Waste Pits	BW35-003A	2082054.842	748549.846	Surface Soil	0'-0.5'	Metals	N/A	6010
		BW35-003A	2082054.842	748549.846	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BW35-003A	2082054.842	748549.846	Surface Soil	0'-0.5'	VOCs	8260	8260
		BW35-003B	2082054.842	748549.846	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BW35-003B	2082054.842	748549.846	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BW35-003B	2082054.842	748549.846	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
	UBC 447 – Statistical location	BW35-004A	2082032.27	748536.921	Surface Soil	0'-0.5'	Metals	N/A	6010
		BW35-004A	2082032.27	748536.921	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BW35-004A	2082032.27	748536.921	Surface Soil	0'-0.5'	VOCs	8260	8260
		BW35-004B	2082032.27	748536.921	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BW35-004B	2082032.27	748536.921	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BW35-004B	2082032.27	748536.921	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Laboratory Method	Offsite Laboratory Method
		BW35-005A	2082104.04	748531.175	Surface Soil	0'-0.5'	Metals	N/A	6010
		BW35-005A	2082104.04	748531.175	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BW35-005A	2082104.04	748531.175	Surface Soil	0'-0.5'	VOCs	8260	8260
		BW35-005B	2082104.04	748531.175	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BW35-005B	2082104.04	748531.175	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BW35-005B	2082104.04	748531.175	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
	UBC 447 – OPWL below grade	BW36-015A	2082067.739	748596.279	Surface Soil	0'-0.5'	Metals	N/A	6010
		BW36-015A	2082067.739	748596.279	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BW36-015A	2082067.739	748596.279	Surface Soil	0'-0.5'	VOCs	8260	8260
		BW36-015B	2082067.739	748596.279	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BW36-015B	2082067.739	748596.279	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BW36-015B	2082067.739	748596.279	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
	UBC 447 – OPWL below grade	BW36-016A	2082125.641	748564.36	Surface Soil	0'-0.5'	Metals	N/A	6010
		BW36-016A	2082125.641	748564.36	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BW36-016A	2082125.641	748564.36	Surface Soil	0'-0.5'	VOCs	8260	8260
		BW36-016B	2082125.641	748564.36	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010

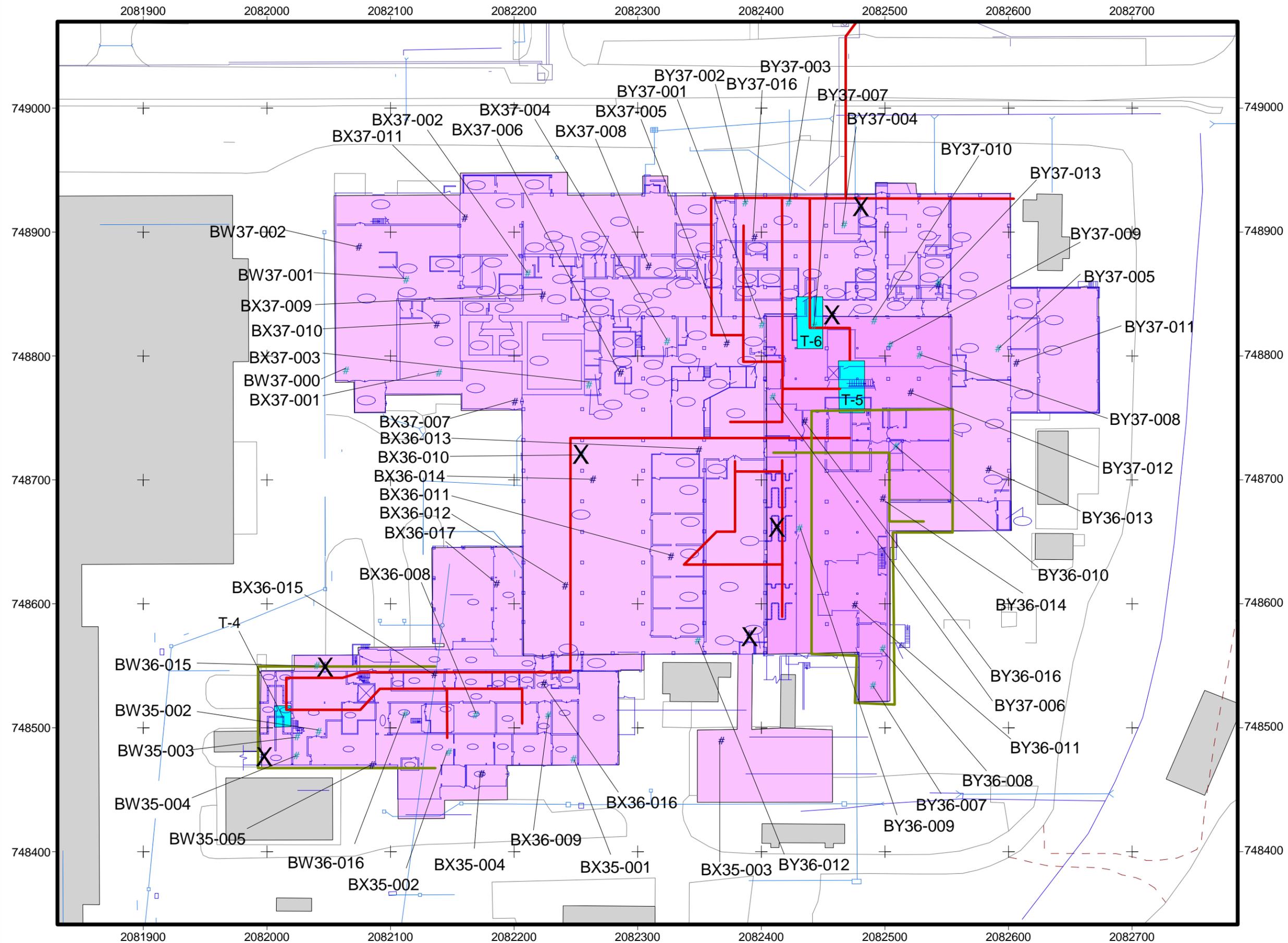
IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Laboratory Method	Offsite Laboratory Method
		BW36-016B	2082125.641	748564.36	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BW36-016B	2082125.641	748564.36	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
	UBC 447 – Statistical location	BX35-001A	2082236.087	748534.978	Surface Soil	0'-0.5'	Metals	N/A	6010
		BX35-001A	2082236.087	748534.978	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BX35-001A	2082236.087	748534.978	Surface Soil	0'-0.5'	VOCs	8260	8260
		BX35-001B	2082236.087	748534.978	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BX35-001B	2082236.087	748534.978	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BX35-001B	2082236.087	748534.978	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		UBC 447 – OPWL below grade	BX35-002A	2082154.314	748539.58	Surface Soil	0'-0.5'	Metals	N/A
	BX35-002A		2082154.314	748539.58	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
	BX35-002A		2082154.314	748539.58	Surface Soil	0'-0.5'	VOCs	8260	8260
	BX35-002B		2082154.314	748539.58	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
	BX35-002B		2082154.314	748539.58	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
	BX35-002B		2082154.314	748539.58	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
	UBC 447 – Statistical location	BX35-004A	2082175.811	748525.428	Surface Soil	0'-0.5'	Metals	N/A	6010
		BX35-004A	2082175.811	748525.428	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Laboratory Method	Offsite Laboratory Method
		BX35-004A	2082175.811	748525.428	Surface Soil	0'-0.5'	VOCs	8260	8260
		BX35-004B	2082175.811	748525.428	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BX35-004B	2082175.811	748525.428	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BX35-004B	2082175.811	748525.428	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
	UBC 447 – OPWL below grade	BX36-008A	2082172.014	748564.006	Surface Soil	0'-0.5'	Metals	N/A	6010
		BX36-008A	2082172.014	748564.006	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BX36-008A	2082172.014	748564.006	Surface Soil	0'-0.5'	VOCs	8260	8260
		BX36-008B	2082172.014	748564.006	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BX36-008B	2082172.014	748564.006	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BX36-008B	2082172.014	748564.006	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		BX36-009A	2082219.449	748563.652	Surface Soil	0'-0.5'	Metals	N/A	6010
		BX36-009A	2082219.449	748563.652	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BX36-009A	2082219.449	748563.652	Surface Soil	0'-0.5'	VOCs	8260	8260
		BX36-009B	2082219.449	748563.652	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BX36-009B	2082219.449	748563.652	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BX36-009B	2082219.449	748563.652	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Laboratory Method	Offsite Laboratory Method
	UBC 447 – Statistical location	BX36-015A	2082144.902	748590.456	Surface Soil	0'-0.5'	Metals	N/A	6010
		BX36-015A	2082144.902	748590.456	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BX36-015A	2082144.902	748590.456	Surface Soil	0'-0.5'	VOCs	8260	8260
		BX36-015B	2082144.902	748590.456	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BX36-015B	2082144.902	748590.456	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BX36-015B	2082144.902	748590.456	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		BX36-016A	2082216.672	748584.71	Surface Soil	0'-0.5'	Metals	N/A	6010
		BX36-016A	2082216.672	748584.71	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BX36-016A	2082216.672	748584.71	Surface Soil	0'-0.5'	VOCs	8260	8260
		BX36-016B	2082216.672	748584.71	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010
		BX36-016B	2082216.672	748584.71	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BX36-016B	2082216.672	748584.71	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		BX36-017A	2082185.764	748649.738	Surface Soil	0'-0.5'	Metals	N/A	6010
		BX36-017A	2082185.764	748649.738	Surface Soil	0'-0.5'	Radionuclides	HPGe	Alpha Spec
		BX36-017A	2082185.764	748649.738	Surface Soil	0'-0.5'	VOCs	8260	8260
		BX36-017B	2082185.764	748649.738	Subsurface Soil	0.5'-2.5'	Metals	N/A	6010

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Laboratory Method	Offsite Laboratory Method
		BX36-017B	2082185.764	748649.738	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		BX36-017B	2082185.764	748649.738	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260

Figure 5
 IHSS Group 400-3
 Proposed Sampling Locations
 for UBC Sites



Key

- Paved area
- Dirt road
- Stream, ditch, or other drainage
- Foundation drain
- OPWL pipe
- OPWL tank
- Building
- UBC site
- IHSS
- PAC
- Statistical sampling location
- Biased sampling location

Note:
 X = Statistical sample that
 has been replaced by a
 biased sample

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 on privately owned rights.



20 0 20 40 60 Feet



Scale = 1:750

State Plane Coordinate Projection
 Colorado Central Zone
 Datum: NAD 27

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

Prepared by:



Prepared for:

