Appendix A

Examples of Typical Sampling and Analysis Plan Tables for the OU 7-10 Glovebox Excavator Method Project

Appendix A

Examples of Typical Sampling and Analysis Plan Tables for the OU 7-10 Glovebox Excavator Method Project

This appendix contains examples of typical sampling and analysis plan tables that will be used for the OU 7-10 Glovebox Excavator Method Project. These tables contain the following information:

- Sample description fields
- Sample location fields
- Analysis types
- Specific analysis code designations.

These tables are discussed in Section 4.2 of the Field Sampling Plan.

Sampling and Analysis Plan Table for Chemical and Radiological Analysis

Plan Table Number: PIT 9 GEM PROJE

DRAFT

SAP Number: INEEJEX7-02-00542

Date: 05/26/2003 Plan Table Revision: 3.0 Project: OU 7-10 GLOVEBOX EXCAVATOR METHOD PROJECT Project Manager: SALOMON, H. SMO Contact: MCILVAIN, B A

Sample Description						Sample Location				Enter Analysis Types (AT) and Quantity Requested																				
										AT1	AT2	AT3	AT4	AT5	AT6	AT7	AT8	AT9	AT10	AT11	AT12	AT13	AT14	AT15	AT16	AT17	AT18	AT19	AT20
Sampling Activity	Sample Type	Sample Matrix	Coll Type	Sampling Method	Planned Date	Area	Type of Location	Location	Depth (ft)	3A	9A	1G	2G	5G	6G	CN	N1	PC	VA										
P9GL01	REG/QC	LIQUID	GRAB	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A									2											
P9GL02	REG	LIQUID	GRAB	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A									1											
P9GL03	REG	LIQUID	GRAB	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A									1											
P9GL04	REG	LIQUID	GRAB	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A									1											
P9GL05	REG	LIQUID	GRAB	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A									1											
P9GL06	REG	LIQUID	GRAB	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A									1											
P9GL07	REG	LIQUID	GRAB	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A									1											
P9GL08	REG	LIQUID	GRAB	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A									1											
P9GL09	REG	LIQUID	GRAB	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A									1											
P9GL10	REG	LIQUID	GRAB	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A									1											
P9GL11	REG	LIQUID	GRAB	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A									1											
P9GL12	REG	LIQUID	GRAB	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A									1											
P9GL13	REG	LIQUID	GRAB	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A									1											
P9GL14	REG	LIQUID	GRAB	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A									1											
P9GL15	REG	LIQUID	GRAB	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A									1											

The sampling activity displayed on this table represents the first 6 to 9 characters of the sample identification number. The complete sample identification number will appear on the sample labels.

AT1 Analysis Suite #1

AT2 Analysis Suite #2

AT3 Analysis Suite #3

AT4 Analysis Suite #4

AT5 Analysis Suite #5

AT6 Analysis Suite #6

AT7 Cyanide (Total & Amenable)

AT8 Nitrate

AT9 PCBs

AT10 VOCs (TAL)

AT11

AT12

AT13

A114

AT15

AT16

hT17

AT18

AT19

AT20

Comments:

Analysis Suite #1: Analytical activities conducted in support of this suite will be performed in accordance with WIPP protocol and will include WIPP required target analytes per WIPP methods. This will be specified in the laboratory contract.

Analysis Suite #2: Analytical activites conducted in support of this suite will be performed in accordance with the ER QAPjP. This will be specified in the laboratory contract.

Isotopic Plutonium includes Pu-238, Pu-239/240 and Pu-242. Isotopic Uranium includes U-233/234, U-235 and U-238.

VOC grab samples noted as being taken from 1.67 to 2.0 ft., will be taken from the deepest available position in cases where the core is less than 2 ft in length.

Analysis Suites:

Analysis Suite #1: Nitrate, PCBs, SVOCs (TAL), VOCs (TAL), Total Metals

Analysis Suite #2: Am-241, Np-237, Gamma Spec, Pu-Iso, U-Iso

Analysis Suite #3: Anions, Major Cations

Analysis Suite #4: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, SVOCs (TAL), VOCs (TAL)

Analysis Suite #5: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, VOCs (TAL), Total Metals

Analysis Suite #6: Am-241, Np-237, Pu-Iso, U-Iso, Total Metals

Contingencies

Plan Table Number P-T 9 GEM PROJE

DRAFT

SAP Number INEEL/EXT-02-00542

Date 09/26/2003 Plan Table Revision 3.0 Project OU 7-10 GLOVEBOX EXCAVATOR METHOD PROJECT Project Manager SALOMON, H. SMO Contact MCILWAIN E A

Sample Description						Sample Location				Enter Analysis Types (AT) and Quantity Requested																	
										AT1	AT2	AT3	AT4	AT5	AT6	AT7	AT8	AT9	AT10	AT11	AT12	AT13	AT14	AT15	AT16	AT17	AT18	AT19	AT20
Sampling Activity	Sample Type	Sample Matrix	Coll Type	Sampling Method	Planned Date	Area	Type of Location	Location	Depth (ft)	3A	9A	1G	2G	5G	6G	CN	N1	PC	VA										
P9GL16	REG	LIQUID	GRAB	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A									1											
P9GL17	REG	LIQUID	GRAB	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A									1											
P9GL18	REG	LIQUID	GRAB	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A									1											
P9GL19	REG	LIQUID	GRAB	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A									1											
P9GL20	REG	LIQUID	GRAB	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A									1											
P9GL21	REG/QC	LIQUID	DUP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A									2											
P9GL22	REG	LIQUID	GRAB	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A									1											
P9GL23	REG	LIQUID	GRAB	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A									1											
P9GL24	REG	LIQUID	GRAB	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A									1											
P9GL25	REG	LIQUID	GRAB	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A									1											
P9GL26	REG	LIQUID	GRAB	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A									1											
P9GL27	REG	LIQUID	GRAB	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A									1											
P9GL28	REG	LIQUID	GRAB	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A									1											
P9GL29	REG	LIQUID	GRAB	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A									1											
P9GL30	REG	LIQUID	GRAB	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A									1											

The sampling activity displayed on this table represents the first 6 to 9 characters of the sample identification number.

The complete sample identification number will appear on the sample labels.

AT1 Analysis Suite #1

AT2 Analysis Suite #2

AT1 Analysis Suite #3

AT4 Analysis Suite #4

AT5 Analysis Suite #5

AT6 Analysis Suite #6

AT7 Cyanide (Total & Amenable)

AT8 Nitrate

AT9 PCBs

AT10 VOCs (TAL)

AT11

AT12

AT13

AT14

AT15

AT16

AT17

AT18

AT19

AT20

Comments:

Analysis Suite #1: Analytical activities conducted in support of this suite will be performed in accordance with WIPP protocol and will include WIPP required target analytes per WIPP methods. This will be specified in the laboratory contract.

Analysis Suite #2: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPjP. This will be specified in the laboratory contract.

Isotopic Plutonium includes Pu-238, Pu-239/240 and Pu-242. Isotopic Uranium includes U-233/234, U-235 and U-238.

VOC grab samples noted as being taken from 1.67 to 2.0 ft., will be taken from the deepest available position in cases where the core is less than 2 ft in length.

Analysis Suites:

Analysis Suite #1: Nitrate, PCBs, SVOCs (TAL), VOCs (TAL), Total Metals

Analysis Suite #2: Am-241, Np-237, Gamma Spec, Pu-Iso, U-Iso

Analysis Suite #3: Anions, Major Cations

Analysis Suite #4: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, SVOCs (TAL), VOCs (TAL)

Analysis Suite #5: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, VOCs (TAL), Total Metals

Analysis Suite #6: Am-241, Np-237, Pu-Iso, U-Iso, Total Metals

Contingencies:

Plan Table Number: PIT 9 GEM PROJE

DRAFT

SAP Number: INEEL/EXT-02-00542

Date: 09/26/2003 Plan Table Revision: 3.0 Project: OU 7-10 GLOVEBOX EXCAVATOR METHOD PROJECT Project Manager: SALOMON, H. SMO Contact: MOILWAIN, B. A.

Sample Description						Sample Location				Enter Analysis Types (AT) and Quantity Requested																					
										AT1	AT2	AT3	AT4	AT5	AT6	AT7	AT8	AT9	AT10	AT11	AT12	AT13	AT14	AT15	AT16	AT17	AT18	AT19	AT20
Sampling Activity	Sample Type	Sample Matrix	Coll Type	Sampling Method	Planned Date	Area	Type of Location	Location	Depth (ft)	3A	9A	1G	2G	5G	6G	CN	N1	PC	VA												
P9GM01	REG/QC	SOLID WASTE	DUP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A							2															
P9GM02	REG	SOLID WASTE	GRAB	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A							1															
P9GM03	REG	SOLID WASTE	GRAB	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A							1															
P9GM04	REG	SOLID WASTE	GRAB	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A							1															
P9GM05	REG	SOLID WASTE	GRAB	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A							1															
P9GN01	REG/QC	SOLID WASTE	DUP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A								2														
P9GN02	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A								1														
P9GN03	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A								1														
P9GN04	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A								1														
P9GN05	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A								1														
P9GN06	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A								1														
P9GN07	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A								1														
P9GN08	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A								1														
P9GN09	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A								1														
P9GN10	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A								1														

The sampling activity displayed on this table represents the first 6 to 9 characters of the sample identification number.

The complete sample identification number will appear on the sample labels.

AT1 Analysis Suite #1

AT2 Analysis Suite #2

A13 Analysis Suite #3

AT4 Analysis Suite #4

AT5 Analysis Suite #5

AT6 Analysis Suite #6

AT7 Cyanide (Total & Amenable)

AT8 Nitrate

AT9 PCBs

AT10 VOCs (TAL)

AT11

AT12

A113

AT14

AT15

AT16

AT17

AT18

AT19

AT20

Comments:

Analysis Suite #1: Analytical activities conducted in support of this suite will be performed in accordance with WIPP protocol and will include WIPP required target analytes per WIPP methods. This will be specified in the laboratory contract.

Analysis Suite #2: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPjP. This will be specified in the laboratory contract.

Isotopic Plutonium includes Pu-238, Pu-239/240 and Pu-242. Isotopic Uranium includes U-233/234, U-235 and U-238.

VOC grab samples noted as being taken from 1.67 to 2.0 ft., will be taken from the deepest available position in cases where the core is less than 2 ft in length.

Analysis Suites:

Analysis Suite #1: Nitrate, PCBs, SVOCs (TAL), VOCs (TAL), Total Metals

Analysis Suite #2: Am-241, Np-237, Gamma Spec, Pu-Iso, U-Iso

Analysis Suite #3: Anions, Major Cations

Analysis Suite #4: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, SVOCs (TAL), VOCs (TAL)

Analysis Suite #5: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, VOCs (TAL), Total Metals

Analysis Suite #6: Am-241, Np-237, Pu-Iso, U-Iso, Total Metals

Contingencies

Plan Table Number: PIT 9 GEM PROJE

DRAFT

SAP Number: INEEL/EXT-02-00542

Date: 09/25/2003 Plan Table Revision: 3.0 Project: OU 7-10 GLOVEBOX EXCAVATOR METHOD PROJECT Project Manager: SALOMON, H. SMO Contact: MCILWAIN, B. A.

Sample Description						Sample Location				Enter Analysis Types (AT) and Quantity Requested																	
Sampling Activity	Sample Type	Sample Matrix	Coll Type	Sampling Method	Planned Date	Area	Type of Location	Location	Depth (ft)	AT1 3A	AT2 9A	AT3 1G	AT4 2G	AT5 5G	AT6 6G	AT7 CN	AT8 N1	AT9 PC	AT10 VA	AT11	AT12	AT13	AT14	AT15	AT16	AT17	AT18	AT19	AT20
P9GN11	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A								1											
P9GN12	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A								1											
P9GN13	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A								1											
P9GN14	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A								1											
P9GN15	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A								1											
P9GN16	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A								1											
P9GN17	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A								1											
P9GN18	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A								1											
P9GN19	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A								1											
P9GN20	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A								1											
P9GN21	REG/QC	SOLID WASTE	DUP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A								2											
P9GN22	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A								1											
P9GN23	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A								1											
P9GN24	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A								1											
P9GN25	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A								1											

The sampling activity displayed on this table represents the first 6 to 9 characters of the sample identification number. The complete sample identification number will appear on the sample labels.

AT1: Analysis Suite #1
AT2: Analysis Suite #2
AT3: Analysis Suite #3
AT4: Analysis Suite #4
AT5: Analysis Suite #5
AT6: Analysis Suite #6
AT7: Cyanide (Total & Amenable)
AT8: Nitrate
AT9: PCBs
AT10: VOCs (TAL)
AT11:
AT12:
AT13:
AT14:
AT15:
AT16:
AT17:
AT18:
AT19:
AT20:

Comments:

Analysis Suite #1: Analytical activities conducted in support of this suite will be performed in accordance with WIPP protocol and will include WIPP required target analytes per WIPP methods. This will be specified in the laboratory contract.

Analysis Suite #2: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPjP. This will be specified in the laboratory contract.

Isotopic Plutonium includes Pu-238, Pu-239/240 and Pu-242. Isotopic Uranium includes U-233/234, U-235 and U-238.

VOC grab samples noted as being taken from 1.67 to 2.0 ft., will be taken from the deepest available position in cases where the core is less than 2 ft in length.

Analysis Suites:

Analysis Suite #1: Nitrate, PCBs, SVOCs (TAL), VOCs (TAL), Total Metals
Analysis Suite #2: Am-241, Np-237, Gamma Spec, Pu-Iso, U-Iso
Analysis Suite #3: Anions, Major Cations
Analysis Suite #4: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, SVOCs (TAL), VOCs (TAL)
Analysis Suite #5: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, VOCs (TAL), Total Metals
Analysis Suite #6: Am-241, Np-237, Pu-Iso, U-Iso, Total Metals

Contingencies

Plan Table Number: PIT 9 GEM PROJE

SAP Number: INEEL/EXT-02-00542

DRAFT

Date: 09/26/2003 Plan Table Revision: 3.0 Project: OU 7-10 GLOVEBOX EXCAVATOR METHOD PROJECT Project Manager: SALOMON, H SMO Contact: MOILWAIN, B A

Sample Description						Sample Location				Enter Analysis Types (AT) and Quantity Requested																				
Sampling Activity	Sample Type	Sample Matrix	Coll Type	Sampling Method	Planned Date	Area	Type of Location	Location	Depth (ft)	AT1 3A	AT2 9A	AT3 1G	AT4 2G	AT5 5G	AT6 6G	AT7 CN	AT8 N1	AT9 PC	AT10 VA	AT11	AT12	AT13	AT14	AT15	AT16	AT17	AT18	AT19	AT20
P9GN26	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A								1													
P9GN27	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A								1													
P9GN28	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A								1													
P9GN29	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A								1													
P9GN30	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A								1													
P9GP01	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A					1																
P9GP02	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A					1																
P9GP03	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A					1																
P9GP04	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A					1																
P9GP05	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A					1																
P9GP06	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A					1																
P9GP07	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A					1																
P9GP08	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A					1																
P9GP09	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A					1																
P9GP10	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A					1																

The sampling activity displayed on this table represents the first 6 to 9 characters of the sample identification number

The complete sample identification number will appear on the sample labels

AT1 Analysis Suite #1

AT2 Analysis Suite #2

AT1 Analysis Suite #3

AT4 Analysis Suite #4

AT5 Analysis Suite #5

AT5 Analysis Suite #6

AT7 Cyanide (Total & Amenable)

AT8 Nitrate

AT9 PCBs

AT10 VOCs (TAL)

AT11

AT12

AT13

AT14

AT15

AT16

AT17

AT18

AT19

AT20:

Comments:

Analysis Suite #1. Analytical activities conducted in support of this suite will be performed in accordance with WIPP protocol and will include WIPP required target analytes per WIPP methods. This will be specified in the laboratory contract.

Analysis Suite #2. Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPP. This will be specified in the laboratory contract.

Isotopic Plutonium includes Pu-238, Pu-239/240 and Pu-242. Isotopic Uranium includes U-233/234, U-235 and U-238.

VOC grab samples noted as being taken from 1.67 to 2.0 ft., will be taken from the deepest available position in cases where the core is less than 2 ft in length.

Analysis Suites:

Analysis Suite #1: Nitrate, PCBs, SVOCs (TAL), VOCs (TAL), Total Metals

Analysis Suite #2: Am-241, Np-237, Gamma Spec, Pu-Iso, U-Iso

Analysis Suite #3: Anions, Major Cations

Analysis Suite #4: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, SVOCs (TAL), VOCs (TAL)

Analysis Suite #5: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, VOCs (TAL), Total Metals

Analysis Suite #6: Am-241, Np-237, Pu-Iso, U-Iso, Total Metals

Contingencies

Plan Table Number: PIT 9 GEM PROJE

SAP Number: INEEL/EXT-02-00542

DRAFT

Date: 09/26/2003 Plan Table Revision: 3.0 Project: OU 7-10 GLOVEBOX EXCAVATOR METHOD PROJECT Project Manager: SALOMON, H. SMO Contact: MCILWAIN, B. A.

Sample Description						Sample Location				Enter Analysis Types (AT) and Quantity Requested																	
Sampling Activity	Sample Type	Sample Matrix	Coll Type	Sampling Method	Planned Date	Area	Type of Location	Location	Depth (ft)	AT1 3A	AT2 9A	AT3 1G	AT4 2G	AT5 5G	AT6 6G	AT7 CN	AT8 N1	AT9 PC	AT10 VA	AT11	AT12	AT13	AT14	AT15	AT16	AT17	AT18	AT19	AT20
P9GP11	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A					1															
P9GP12	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A					1															
P9GP13	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A					1															
P9GR01	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A				1																
P9GR02	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A				1																
P9GR03	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A				1																
P9GR04	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A				1																
P9GR05	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A				1																
P9GR06	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A				1																
P9GR07	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A				1																
P9GR08	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A				1																
P9GR09	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A				1																
P9GR10	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A				1																
P9GR11	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A				1																
P9GR12	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A				1																

The sampling activity displayed on this table represents the first 6 to 9 characters of the sample identification number.

The complete sample identification number will appear on the sample labels.

AT1: Analysis Suite #1

AT2: Analysis Suite #2

AT3: Analysis Suite #3

AT4: Analysis Suite #4

AT5: Analysis Suite #5

AT6: Analysis Suite #6

AT7: Cyanide (Total & Amenable)

AT8: Nitrate

AT9: PCBs

AT10: VOCs (TAL)

AT11:

AT12:

AT13:

AT14:

AT15:

AT16:

AT17:

AT18:

AT19:

AT20:

Comments:

Analysis Suite #1: Analytical activities conducted in support of this suite will be performed in accordance with WIPP protocol and will include WIPP required target analytes per WIPP methods. This will be specified in the laboratory contract.

Analysis Suite #2: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPjP. This will be specified in the laboratory contract.

Isotopic Plutonium includes Pu-238, Pu-239/240 and Pu-242. Isotopic Uranium includes U-233/234, U-235 and U-238.

VOC grab samples noted as being taken from 1.67 to 2.0 ft., will be taken from the deepest available position in cases where the core is less than 2 ft in length.

Analysis Suites:

Analysis Suite #1: Nitrate, PCBs, SVOCs (TAL), VOCs (TAL), Total Metals

Analysis Suite #2: Am-241, Np-237, Gamma Spec, Pu-Iso, U-Iso

Analysis Suite #3: Anions, Major Cations

Analysis Suite #4: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, SVOCs (TAL), VOCs (TAL)

Analysis Suite #5: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, VOCs (TAL), Total Metals

Analysis Suite #6: Am-241, Np-237, Pu-Iso, U-Iso, Total Metals

Contingencies:

Plan Table Number: PIT 9 GEIJ PROJE

DRAFT

SAP Number: INEEL/EXT-02-00542

Date: 09/26/2003 Plan Table Revision: 3.0 Project: OU 7-10 GLOVEBOX EXCAVATOR METHOD PROJECT Project Manager: SALOMON, H. SMO Contact: MCILWAIN, B. A.

Sample Description						Sample Location				Enter Analysis Types (AT) and Quantity Requested																	
Sampling Activity	Sample Type	Sample Matrix	Coll Type	Sampling Method	Planned Date	Area	Type of Location	Location	Depth (ft)	AT1 3A	AT2 9A	AT3 1G	AT4 2G	AT5 5G	AT6 6G	AT7 CN	AT8 N1	AT9 PC	AT10 VA	AT11	AT12	AT13	AT14	AT15	AT16	AT17	AT18	AT19	AT20
P9GR13	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A				1															
P9GR14	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A				1															
P9GR15	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A				1															
P9GR16	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A				1															
P9GR17	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A				1															
P9GR18	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A				1															
P9GR19	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A				1															
P9GR20	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A				1															
P9GR21	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A				1															
P9GR22	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A				1															
P9GR23	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A				1															
P9GR24	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A				1															
P9GR25	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A				1															
P9GR26	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A				1															
P9GR27	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A				1															

The sampling activity displayed on this table represents the first 6 to 9 characters of the sample identification number. The complete sample identification number will appear on the sample labels.

AT1: Analysis Suite #1

AT2: Analysis Suite #2

AT3: Analysis Suite #3

AT4: Analysis Suite #4

AT5: Analysis Suite #5

AT6: Analysis Suite #6

AT7: Cyanide (Total & Amenable)

AT8: Nitrate

AT9: PCBs

AT10: VOCs (TAL)

AT11:

AT12:

AT13:

AT14:

AT15:

AT16:

AT17:

AT18:

AT19:

AT20:

Comments

Analysis Suite #1: Analytical activities conducted in support of this suite will be performed in accordance with WIPP protocol and will include WIPP required target analytes per WIPP methods. This will be specified in the laboratory contract.

Analysis Suite #2: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPjP. This will be specified in the laboratory contract.

Isotopic Plutonium includes Pu-238, Pu-239/240 and Pu-242. Isotopic Uranium includes U-233/234, U-235 and U-238.

VOC grab samples noted as being taken from 1.67 to 2.0 ft., will be taken from the deepest available position in cases where the core is less than 2 ft in length.

Analysis Suites

Analysis Suite #1: Nitrate, PCBs, SVOCs (TAL), VOCs (TAL), Total Metals

Analysis Suite #2: Am-241, Np-237, Gamma Spec, Pu-Iso, U-Iso

Analysis Suite #3: Anions, Major Cations

Analysis Suite #4: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, SVOCs (TAL), VOCs (TAL)

Analysis Suite #5: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, VOCs (TAL), Total Metals

Analysis Suite #6: Am-241, Np-237, Pu-Iso, U-Iso, Total Metals

Contingencies:

Plan Table Number: PIT 9 GEM PROJE

DRAFT

SAP Number: INEEL/EXT-02-00542

Date: 09/26/2003 Plan Table Revision: 3.0 Project: OU 7-10 GLOVEBOX EXCAVATOR METHOD PROJECT Project Manager: SALOMON, H. SMO Contact: MCILWAIN, B. A.

Sample Description						Sample Location				Enter Analysis Types (AT) and Quantity Requested																				
Sampling Activity	Sample Type	Sample Matrix	Coll Type	Sampling Method	Planned Date	Area	Type of Location	Location	Depth (ft)	AT1	AT2	AT3	AT4	AT5	AT6	AT7	AT8	AT9	AT10	AT11	AT12	AT13	AT14	AT15	AT16	AT17	AT18	AT19	AT20
										3A	9A	1G	2G	5G	6G	CN	N1	PC	VA										
P9GR28	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A				1																
P9GR29	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A				1																
P9GR30	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A				1																
P9GR31	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A				1																
P9GR32	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A				1																
P9GR33	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A				1																
P9GR34	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A				1																
P9GR35	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A				1																
P9GR36	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A				1																
P9GR37	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A				1																
P9GR38	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A				1																
P9GR39	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A				1																
P9GR40	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A				1																
P9GR41	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A				1																
P9GR42	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A				1																

The sampling activity displayed on this table represents the first 5 to 9 characters of the sample identification number.

The complete sample identification number will appear on the sample labels.

AT1: Analysis Suite #1

AT2: Analysis Suite #2

AT3: Analysis Suite #3

AT4: Analysis Suite #4

AT5: Analysis Suite #5

AT6: Analysis Suite #6

AT7: Cyanide (Total & Amenable)

AT8: Nitrate

AT9: PCBs

AT10: VOCs (TAL)

AT11:

AT12:

AT13:

AT14:

AT15:

AT16:

AT17:

AT18:

AT19:

AT20:

Comments:

Analysis Suite #1: Analytical activities conducted in support of this suite will be performed in accordance with WIPP protocol and will include WIPP required target analytes per WIPP methods. This will be specified in the laboratory contract.

Analysis Suite #2: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPP. This will be specified in the laboratory contract.

Isotopic Plutonium includes Pu-238, Pu-239/240 and Pu-242. Isotopic Uranium includes U-233/234, U-235 and U-238.

VOC grab samples noted as being taken from 1.67 to 2.0 ft., will be taken from the deepest available position in cases where the core is less than 2 ft in length.

Analysis Suites:

Analysis Suite #1: Nitrate, PCBs, SVOCs (TAL), VOCs (TAL), Total Metals

Analysis Suite #2: Am-241, Np-237, Gamma Spec, Pu-Iso, U-Iso

Analysis Suite #3: Anions, Major Cations

Analysis Suite #4: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, SVOCs (TAL), VOCs (TAL)

Analysis Suite #5: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, VOCs (TAL), Total Metals

Analysis Suite #6: Am-241, Np-237, Pu-Iso, U-Iso, Total Metals

Contingencies:

Plan Table Number: PIT 9 GEM PROJE

DRAFT

SAP Number: INEEL/EXT-02-00542

Date: 09/26/2003 Plan Table Revision: 3.0 Project: OU 7-10 GLOVEBOX EXCAVATOR METHOD PROJECT Project Manager: SALOMON, H. SMO Contact: MCILWAIN, B. A.

Sample Description						Sample Location				Enter Analysis Types (AT) and Quantity Requested																				
Sampling Activity	Sample Type	Sample Matrix	Coll Type	Sampling Method	Planned Date	Area	Type of Location	Location	Depth (ft)	AT1	AT2	AT3	AT4	AT5	AT6	AT7	AT8	AT9	AT10	AT11	AT12	AT13	AT14	AT15	AT16	AT17	AT18	AT19	AT20
										3A	9A	1G	2G	5G	5G	CN	N1	PC	VA										
P9GR43	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A				1																
P9GR44	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A				1																
P9GR45	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A				1																
P9GR46	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A				1																
P9GR47	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A				1																
P9GR48	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A				1																
P9GR49	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A				1																
P9GR50	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A				1																
P9GR51	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A				1																
P9GR52	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A				1																
P9GR53	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A				1																
P9GR54	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A				1																
P9GR55	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A				1																
P9GR56	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A				1																
P9GR57	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A				1																

The sampling activity displayed on this table represents the first 6 to 9 characters of the sample identification number. The complete sample identification number will appear on the sample labels.

AT1: Analysis Suite #1

AT2: Analysis Suite #2

AT3: Analysis Suite #3

AT4: Analysis Suite #4

AT5: Analysis Suite #5

AT6: Analysis Suite #6

AT7: Cyanide (Total & Amenable)

AT8: Nitrate

AT9: PCBs

AT10: VOCs (TAL)

AT11:

AT12:

AT13:

AT14:

AT15:

AT16:

AT17:

AT18:

AT19:

AT20:

Comments:

Analysis Suite #1: Analytical activities conducted in support of this suite will be performed in accordance with WIPP protocol and will include WIPP required target analytes per WIPP methods. This will be specified in the laboratory contract.

Analysis Suite #2: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPjP. This will be specified in the laboratory contract.

Isotopic Plutonium includes Pu-238, Pu-239/240 and Pu-242. Isotopic Uranium includes U-233/234, U-235 and U-238.

VOC grab samples noted as being taken from 1.67 to 2.0 ft., will be taken from the deepest available position in cases where the core is less than 2 ft in length.

Analysis Suites:

Analysis Suite #1: Nitrate, PCBs, SVOCs (TAL), VOCs (TAL), Total Metals

Analysis Suite #2: Am-241, Np-237, Gamma Spec, Pu-Iso, U-Iso

Analysis Suite #3: Anions, Major Cations

Analysis Suite #4: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, SVOCs (TAL), VOCs (TAL)

Analysis Suite #5: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, VOCs (TAL), Total Metals

Analysis Suite #6: Am-241, Np-237, Pu-Iso, U-Iso, Total Metals

Contingencies:

Sampling and Analysis Plan Table for Chemical and Radiological Analysis

Plan Table Number: PIT 9 GEM PROJE

DRAFT

SAP Number: INEEL/EXT-02-00542

Date: 09/25/2003 Plan Table Revision: 3.0 Project: OU 7-10 GLOVEBOX EXCAVATOR METHOD PROJECT Project Manager: SALOMON, H. SMO Contact: MCILWAIN, B. A.

Sample Description						Sample Location				Enter Analysis Types (AT) and Quantity Requested																				
Sampling Activity	Sample Type	Sample Matrix	Coll Type	Sampling Method	Planned Date	Area	Type of Location	Location	Depth (ft)	AT1	AT2	AT3	AT4	AT5	AT6	AT7	AT8	AT9	AT10	AT11	AT12	AT13	AT14	AT15	AT16	AT17	AT18	AT19	AT20
										3A	9A	1G	2G	5G	6G	CN	N1	PC	VA										
P9GR58	REG	SOLID WASTE	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A				1																
P9GT01	REG	SOIL	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A						1														
P9GT02	REG	SOIL	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A						1														
P9GT03	REG	SOIL	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A						1														
P9GT04	REG	SOIL	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A						1														
P9GT05	REG	SOIL	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A						1														
P9GT06	REG	SOIL	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A						1														
P9GT07	REG	SOIL	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A						1														
P9GT08	REG	SOIL	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A						1														
P9GT09	REG	SOIL	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A						1														
P9GT10	REG	SOIL	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A						1														
P9GT11	REG	SOIL	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A						1														
P9GT12	REG	SOIL	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A						1														
P9GT13	REG	SOIL	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A						1														
P9GT14	REG	SOIL	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A						1														

The sampling activity displayed on this table represents the first 6 to 9 characters of the sample identification number. The complete sample identification number will appear on the sample labels.

AT1 Analysis Suite #1

AT2 Analysis Suite #2

AT3 Analysis Suite #3

h14 Analysis Suite #4

AT5 Analysis Suite #5

AT6 Analysis Suite #6

A17 Cyanide (Total & Amenable)

AT8 Nitrate

AT9

AT10: VOCs (TAL)

AT11

AT12:

AT13:

AT14:

AT15

AT16

AT17

AT18

AT19

AT20

Comments:

Analysis Suite #1: Analytical activities conducted in support of this suite will be performed in accordance with WIPP protocol and will include WIPP required target analytes per WIPP methods. This will be specified in the laboratory contract.

Analysis Suite #2: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPP. This will be specified in the laboratory contract.

Isotopic Plutonium includes Pu-238, Pu-239/240 and Pu-242. Isotopic Uranium includes U-233/234, U-235 and U-238.

VOC grab samples noted as being taken from 1.67 to 2.0 ft. will be taken from the deepest available position in cases where the core is less than 2 ft in length.

Analysis Suites:

Analysis Suite #1: Nitrate, PCBs, SVOCs (TAL), VOCs (TAL), Total Metals

Analysis Suite #2: Am-241, Np-237, Gamma Spec, Pu-Iso, U-Iso

Analysis Suite #3: Anions, Major Cations

Analysis Suite #4: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, SVOCs (TAL), VOCs (TAL)

Analysis Suite #5: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, VOCs (TAL), Total Metals

Analysis Suite #6: Am-241, Np-237, Pu-Iso, U-Iso, Total Metals

Contingencies:

Plan Table Number: PIT 9 GEM PROJE

DRAFT

SAP Number: INEEL/EXT-02-00542

Date: 09/26/2003 Plan Table Revision: 3.0 Project: OU 7-10 GLOVEBOX EXCAVATOR METHOD PROJECT Project Manager: SALOMON, H. SMO Contact: MCILWAIN, B. A.

Sample Description						Sample Location				Enter Analysis Types (AT) and Quantity Requested																				
Sampling Activity	Sample Type	Sample Matrix	Coll Type	Sampling Method	Planned Date	Area	Type of Location	Location	Depth (ft)	AT1	AT2	AT3	AT4	AT5	AT6	AT7	AT8	AT9	AT10	AT11	AT12	AT13	AT14	AT15	AT16	AT17	AT18	AT19	AT20
										3A	9A	1G	2G	5G	6G	CN	N1	PC	VA										
P9GT15	REG	SOIL	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A						1														
P9GT16	REG	SOIL	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A						1														
P9GT17	REG	SOIL	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A						1														
P9GT18	REG	SOIL	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A						1														
P9GT19	REG	SOIL	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A						1														
P9GT20	REG	SOIL	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A						1														
P9GT21	REG	SOIL	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A						1														
P9GT22	REG	SOIL	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A						1														
P9GT23	REG	SOIL	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A						1														
P9GT24	REG	SOIL	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A						1														
P9GT25	REG	SOIL	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A						1														
P9GT26	REG	SOIL	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A						1														
P9GT27	REG	SOIL	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A						1														
P9GT28	REG	SOIL	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A						1														
P9GT29	REG	SOIL	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A						1														

The sampling activity displayed on this table represents the first 6 to 9 characters of the sample identification number. The complete sample identification number will appear on the sample labels.

AT1 Analysis Suite #1

AT2 Analysis Suite #2

AT3 Analysis Suite #3

AT4 Analysis Suite #4

AT5 Analysis Suite #5

AT6 Analysis Suite #6

AT7 Cyanide (Total & Amenable)

AT8 Nitrate

AT9 PCBs

AT10 VOCs (TAL)

AT11:

AT12:

AT13:

AT14:

AT15:

AT16:

AT17:

AT18:

AT19:

AT20:

Comments:

Analysis Suite #1: Analytical activities conducted in support of this suite will be performed in accordance with WIPP protocol and will include WIPP required target analytes per WIPP methods. This will be specified in the laboratory contract.

Analysis Suite #2: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPjP. This will be specified in the laboratory contract.

Isotopic Plutonium includes Pu-238, Pu-239/240 and Pu-242. Isotopic Uranium includes U-233/234, U-235 and U-238.

VOC grab samples noted as being taken from 1.67 to 2.0 ft., will be taken from the deepest available position in cases where the core is less than 2 ft in length.

Analysis Suites:

Analysis Suite #1: Nitrate, PCBs, SVOCs (TAL), VOCs (TAL), Total Metals

Analysis Suite #2: Am-241, Np-237, Gamma Spec, Pu-Iso, U-Iso

Analysis Suite #3: Anions, Major Cations

Analysis Suite #4: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, SVOCs (TAL), VOCs (TAL)

Analysis Suite #5: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, VOCs (TAL), Total Metals

Analysis Suite #6: Am-241, Np-237, Pu-Iso, U-Iso, Total Metals

Contingencies:

Plan Table Number: P/T 9 GEM PROJE

SAP Number: INEEL/EXT-02-00542

DRAFT

Date: 05/25/2003 Plan Table Revision: 3.0 Project: OU 7-10 GLOVEBOX EXCAVATOR METHOD PROJECT Project Manager: SALOMON, H. SMO Contact: MCILWAIN, B. A.

Sample Description						Sample Location				Enter Analysis Types (AT) and Quantity Requested																			
Sampling Activity	Sample Type	Sample Matrix	Coll Type	Sampling Method	Planned Date	Area	Type of Location	Location	Depth (ft)	AT1	AT2	AT3	AT4	AT5	AT6	AT7	AT8	AT9	AT10	AT11	AT12	AT13	AT14	AT15	AT16	AT17	AT18	AT19	AT20
										3A	9A	1G	2G	5G	6G	CN	N1	PC	VA										
P9GT30	REG	SOIL	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A						1														
P9GT31	REG	SOIL	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A						1														
P9GT32	REG	SOIL	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A						1														
P9GT33	REG	SOIL	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A						1														
P9GT34	REG	SOIL	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A						1														
P9GT35	REG	SOIL	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A						1														
P9GT36	REG	SOIL	GRAB	BIASD	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A						1														
P9GU10	REG	SOIL	GRAB	CORE	09/15/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-1	TBD (0-5)		10	5	2																
P9GU1A	REG	SOIL	GRAB	CORE	09/15/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-1	0.0 - 0.33		1																		
P9GU1B	REG	SOIL	GRAB	CORE	09/15/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-1	0.34 - 0.66		1								1										
P9GU1C	REG	SOIL	GRAB	CORE	09/15/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-1	0.67 - 1.0		1																		
P9GU1D	REG	SOIL	COMP	CORE	09/15/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-1	0.0 - 1.0																				
P9GU1E	REG	SOIL	GRAB	CORE	09/15/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-1	1.0 - 1.33		1																		
P9GU1F	REG	SOIL	GRAB	CORE	09/15/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-1	1.34 - 1.66		1	1																	
P9GU1G	REG	SOIL	GRAB	CORE	09/15/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-1	1.67 - 2.0		1								1										

The sampling activity displayed on this table represents the first 6 to 9 characters of the sample identification number. The complete sample identification number will appear on the sample labels.

AT1: Analysis Suite #1

AT2: Analysis Suite #2

AT3: Analysis Suite #3

AT4: Analysis Suite #4

AT5: Analysis Suite #5

AT6: Analysis Suite #6

AT7: Cyanide (Total & Amenable)

AT8: Nitrate

AT9: PCBs

AT10: VOCs (TAL)

AT11:

AT12:

AT13:

AT14:

AT15:

AT16:

AT17:

AT18:

AT19:

AT20:

Comments:

Analysis Suite #1: Analytical activities conducted in support of this suite will be performed in accordance with WIPP protocol and will include WIPP required target analytes per WIPP methods. This will be specified in the laboratory contract.

Analysis Suite #2: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPP. This will be specified in the laboratory contract.

Isotopic Plutonium includes Pu-238, Pu-239/240 and Pu-242. Isotopic Uranium includes U-233/234, U-235 and U-238.

VOC grab samples noted as being taken from 1.67 to 2.0 ft., will be taken from the deepest available position in cases where the core is less than 2 ft in length.

Analysis Suites:

Analysis Suite #1: Nitrate, PCBs, SVOCs (TAL), VOCs (TAL), Total Metals

Analysis Suite #2: Am-241, Np-237, Gamma Spec, Pu-Iso, U-Iso

Analysis Suite #3: Anions, Major Cations

Analysis Suite #4: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, SVOCs (TAL), VOCs (TAL)

Analysis Suite #5: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, VOCs (TAL), Total Metals

Analysis Suite #6: Am-241, Np-237, Pu-Iso, U-Iso, Total Metals

Contingencies:

Sampling and Analysis Plan Table for Chemical and Radiological Analysis

Plan Table Number: PIT 9 GEM PROJE

DRAFT

SAP Number: INEEL/EXT-02-00542

Date: 09/25/2003 Plan Table Revision: 3.0 Project: OU 7-10 GLOVEBOX EXCAVATOR METHOD PROJECT Project Manager: SALOMON, H SMO Contact: MCILWAIN, B. A.

Sample Description						Sample Location				Enter Analysis Types (AT) and Quantity Requested																				
										AT1	AT2	AT3	AT4	AT5	AT6	AT7	AT8	AT9	AT10	AT11	AT12	AT13	AT14	AT15	AT16	AT17	AT18	AT19	AT20
Sampling Activity	Sample Type	Sample Matrix	Coll Type	Sampling Method	Planned Date	Area	Type of Location	Location	Depth (ft)	3A	9A	1G	2G	5G	6G	CN	N1	PC	VA										
P9GU1H	REG	SOIL	COMP	CORE	09/15/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-1	1.0 - 2.0																				
P9GU1I	REG	SOIL	GRAB	CORE	09/15/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-1	2.0 - 2.33			1																	
P9GU1J	REG	SOIL	GRAB	CORE	09/15/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-1	2.34 - 2.66		1																		
P9GU1K	REG	SOIL	GRAB	CORE	09/15/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-1	2.67 - 3.0			1																	
P9GU1L	REG	SOIL	COMP	CORE	09/15/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-1	2.0 - 3.0																				
P9GU1M	REG	SOIL	GRAB	CORE	09/15/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-1	3.0 - 3.33		1																		
P9GU1N	REG	SOIL	GRAB	CORE	09/15/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-1	3.34 - 3.66			1																	
P9GU1O	REG	SOIL	GRAB	CORE	09/15/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-1	3.67 - 4.0		1																		
P9GU1P	REG	SOIL	COMP	CORE	09/15/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-1	3.0 - 4.0																				
P9GU1Q	REG	SOIL	GRAB	CORE	09/15/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-1	4.0 - 4.33		1																		
P9GU1R	REG	SOIL	GRAB	CORE	09/15/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-1	4.34 - 4.66			1																	
P9GU1S	REG	SOIL	GRAB	CORE	09/15/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-1	4.67 - 5.0		1		1																
P9GU1T	REG	SOIL	COMP	CORE	09/15/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-1	4.0 - 5.0																				
P9GU20	REG	SOIL	GRAB	CORE	09/15/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-2	TBD (0-5)		10	5	2																
P9GU2A	REG	SOIL	GRAB	CORE	09/15/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-2	0.0 - 0.33		1																		

The sampling activity displayed on this table represents the first 8 to 9 characters of the sample identification number.

The complete sample identification number will appear on the sample labels

AT1: Analysis Suite #1

AT2: Analysis Suite #2

AT3: Analysis Suite #3

AT4: Analysis Suite #4

AT5: Analysis Suite #5

AT6: Analysis Suite #6

AT7: Cyanide (Total & Amenable)

AT8: Nitrate

AT9: PCBs

AT10: VOCs (TAL)

AT11:

AT12:

AT13:

AT14:

AT15:

AT16:

AT17:

AT18:

AT19:

AT20:

Comments:

Analysis Suite #1: Analytical activities conducted in support of this suite will be performed in accordance with WIPP protocol and will include WIPP required target analytes per WIPP methods. This will be specified in the laboratory contract.

Analysis Suite #2: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPjP. This will be specified in the laboratory contract.

Isotopic Plutonium includes Pu-238, Pu-239/240 and Pu-242. Isotopic Uranium includes U-233/234, U-235 and U-238.

VOC grab samples noted as being taken from 1.67 to 2.0 ft., will be taken from the deepest available position in cases where the core is less than 2 ft in length.

Analysis Suites:

Analysis Suite #1: Nitrate, PCBs, SVOCs (TAL), VOCs (TAL), Total Metals

Analysis Suite #2: Am-241, Np-237, Gamma Spec. Pu-Iso, U-Iso

Analysis Suite #3: Anions, Major Cations

Analysis Suite #4: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, SVOCs (TAL), VOCs (TAL)

Analysis Suite #5: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, VOCs (TAL), Total Metals

Analysis Suite #6: Am-241, Np-237, Pu-Iso, U-Iso, Total Metals

Contingencies:

Plan Table Number: R T 9 GEM PROJE

DRAFT

SAP Number: INEEL/EXT-02-00542

Date: 09/26/2003 Plan Table Revision: 3.0 Project: OU 7-10 GLOVEBOX EXCAVATOR METHOD PROJECT Project Manager: SALOMON, H. SNO Contact: MCILWAIN, B. A.

Sample Description						Sample Location				Enter Analysis Types (AT) and Quantity Requested																				
Sampling Activity	Sample Type	Sample Matrix	Coll Type	Sampling Method	Planned Date	Area	Type of Location	Location	Depth (ft)	AT1 3A	AT2 SA	AT3 1G	AT4 2G	AT5 5G	AT6 5G	AT7 CN	AT8 N1	AT9 PC	AT10 VA	AT11	AT12	AT13	AT14	AT15	AT16	AT17	AT18	AT19	AT20
P9GU2B	REG	SOIL	GRAB	CORE	09/15/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-2	0.34 - 0.66		1								1										
P9GU2C	REG	SOIL	GRAB	CORE	09/15/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-2	0.67 - 1.0		1																		
P9GU2D	REG	SOL	COMP	CORE	09/15/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-2	0.0 - 1.0																				
P9GU2E	REG	SOIL	GRAB	CORE	09/15/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-2	1.0 - 1.33		1																		
P9GU2F	REG	SOIL	GRAB	CORE	09/15/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-2	1.34 - 1.66		1	1																	
P9GU2G	REG	SOIL	GRAB	CORE	09/15/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-2	1.67 - 2.0		1								1										
P9GU2H	REG	SOIL	COMP	CORE	09/15/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-2	1.0 - 2.0																				
P9GU2I	REG	SOIL	GRAB	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-2	2.0 - 2.33			1																	
P9GU2J	REG	SOIL	GRAB	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-2	2.34 - 2.66		1																		
P9GU2K	REG	SOIL	GRAB	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-2	2.67 - 3.0			1																	
P9GU2L	REG	SOIL	COMP	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-2	2.0 - 3.0																				
P9GU2M	REG	SOIL	GRAB	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-2	3.0 - 3.33		1																		
P9GU2N	REG	SOIL	GRAB	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-2	3.34 - 3.66			1																	
P9GU2O	4EG	SOIL	GRAB	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-2	3.67 - 4.0		1																		
P9GU2P			COMP	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-2	3.0 - 4.0																				

The sampling activity displayed on this table represents the first 6 to 9 characters of the sample identification number.

The complete sample identification number will appear on the sample labels

AT1: Analysis Suite #1

AT2: Analysis Suite #2

AT3: Analysis Suite #3

AT4: Analysis Suite #4

AT5: Analysis Suite #5

AT6: Analysis Suite #6

AT7: Cyanide (Total & Amenable)

AT8: Nitrate

AT9: PCBs

AT10: VOCs (TAL)

AT11:

AT12:

AT13:

AT14:

AT15:

AT16:

AT17:

AT18:

AT19:

AT20:

Comments:

Analysis Suite #1: Analytical activities conducted in support of this suite will be performed in accordance with WIPP protocol and will include WIPP required target analytes per WIPP methods. This will be specified in the laboratory contract.

Analysis Suite #2: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPP. This will be specified in the laboratory contract.

Isotopic Plutonium includes Pu-238, Pu-239/240 and Pu-242. Isotopic Uranium includes U-233/234, U-235 and U-238.

VOC grab samples noted as being taken from 1.67 to 2.0 ft., will be taken from the deepest available position in cases where the core is less than 2 ft in length.

Analysis Suites:

Analysis Suite #1: Nitrate, PCBs, SVOCs (TAL), VOCs (TAL), Total Metals

Analysis Suite #2: Am-241, Np-237, Gamma Spec, Pu-Iso, U-Iso

Analysis Suite #3: Anions, Major Cations

Analysis Suite #4: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, SVOCs (TAL), VOCs (TAL)

Analysis Suite #5: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, VOCs (TAL), Total Metals

Analysis Suite #6: Am-241, Np-237, Pu-Iso, U-Iso, Total Metals

Contingencies:

Sampling and Analysis Plan Table for Chemical and Radiological Analysis

Plan Table Number: PIT 9 GEM PROJE

DRAFT

SAP Number: INEEL EXT-02-00542

Date: 09/26/2003 Plan Table Revision: 3.0 Project: OU 7-10 GLOVEBOX EXCAVATOR METHOD PROJECT Project Manager: SALOMON, H SMO Contact: MCILWAIN, B. A.

Sample Description						Sample Location				Enter Analysis Types (AT) and Quantity Requested																	
Sampling Activity	Sample Type	Sample Matrix	Coll Type	Sampling Method	Planned Date	Area	Type of Location	Location	Depth (ft)	AT1 3A	AT2 9A	AT3 1G	AT4 2G	AT5 5G	AT6 5G	AT7 CN	AT8 N1	AT9 PC	AT10 VA	AT11	AT12	AT13	AT14	AT15	AT16	AT17	AT18	AT19	AT20
P9GU2O	REG	SOIL	GRAB	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-2	4.0 - 4.33		1																	
P9GU2R	REG	SOIL	GRAB	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-2	4.34 - 4.66			1																
P9GU2S	REG	SOIL	GRAB	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-2	4.67 - 5.0		1		1															
P9GU2T	REG	SOIL	COMP	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-2	4.0 - 5.0																			
P9GU30	REG	SOIL	GRAB	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-3	TBD (0-5)		10	5	2															
P9GU3A	REG	SOIL	GRAB	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-3	0.0 - 0.33		1																	
P9GU3B	REG	SOIL	GRAB	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-3	0.34 - 0.66		1								1									
P9GU3C	REG	SOIL	GRAB	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-3	0.67 - 1.0		1																	
P9GU3D	REG	SOIL	COMP	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-3	0.0 - 1.0																			
P9GU3E	REG	SOIL	GRAB	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-3	1.0 - 1.33		1																	
P9GU3F	REG	SOIL	GRAB	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-3	1.34 - 1.66		1																	
P9GU3G	REG	SOIL	GRAB	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-3	1.67 - 2.0		1								1									
P9GU3H	REG	SOIL	COMP	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-3	1.0 - 2.0																			
P9GU3I	REG	SOIL	GRAB	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-3	2.0 - 2.33			1																
P9GU3J	REG	SOIL	GRAB	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-3	2.34 - 2.66		1																	

The sampling activity displayed on this table represents the first 6 to 9 characters of the sample identification number. The complete sample identification number will appear on the sample labels.

AT1 Analysis Suite #1

AT2 Analysis Suite #2

AT3 Analysis Suite #3

AT4 Analysis Suite #4

AT5 Analysis Suite #5

AT6 Analysis Suite #6

AT7 Cyanide (Total & Amenable)

AT8 Nitrate

AT9 PCBs

AT10 VOCs (TAL)

AT11:

AT12:

AT13:

AT14:

AT15:

AT16:

AT17:

AT18:

AT19:

AT20:

Comments:

Analysis Suite #1: Analytical activities conducted in support of this suite will be performed in accordance with WIPP protocol and will include WIPP required target analytes per WIPP methods. This will be specified in the laboratory contract.

Analysis Suite #2: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPjP. This will be specified in the laboratory contract.

Isotopic Plutonium includes Pu-238, Pu-239/240 and Pu-242. Isotopic Uranium includes U-233/234, U-235 and U-238.

VOC grab samples noted as being taken from 1.67 to 2.0 ft., will be taken from the deepest available position in cases where the core is less than 2 ft in length.

Analysis Suites

Analysis Suite #1: Nitrate, PCBs, SVOCs (TAL), VOCs (TAL), Total Metals

Analysis Suite #2: Am-241, Np-237, Gamma Spec, Pu-Iso, U-Iso

Analysis Suite #3: Anions, Major Cations

Analysis Suite #4: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, SVOCs (TAL), VOCs (TAL)

Analysis Suite #5: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, VOCs (TAL), Total Metals

Analysis Suite #6: Am-241, Np-237, Pu-Iso, U-Iso, Total Metals

Contingencies:

Plan Table Number PIT 9 GEM PROJE

DRAFT

SAP Number: INEEL/EXT-02-00542

Date: 09/26/2003 Plan Table Revision: 3.0 Project: OU 7-10 GLOVEBOX EXCAVATOR METHOD PROJECT Project Manager: SALOMON, H SMO Contact: MCILWAIN, B. A.

Sample Description						Sample Location				Enter Analysis Types (AT) and Quantity Requested																				
Sampling Activity	Sample Type	Sample Matrix	Coll Type	Sampling Method	Planned Date	Area	Type of Location	Location	Depth (ft)	AT1	AT2	AT3	AT4	AT5	AT6	AT7	AT8	AT9	AT10	AT11	AT12	AT13	AT14	AT15	AT16	AT17	AT18	AT19	AT20
										3A	9A	1G	2G	5G	5G	CN	N1	PC	VA										
P9GU3K	REG	SOIL	GRAB	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-3	2.67 - 3.0			1																	
P9GU3L	REG	SOIL	COMP	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-3	2.0 - 3.0																				
P9GU3M	REG	SOIL	GRAB	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-3	3.0 - 3.33		1																		
P9GU3N	REG	SOIL	GRAB	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-3	3.34 - 3.66			1																	
P9GU3O	REG	SOIL	GRAB	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-3	3.67 - 4.0		1																		
P9GU3P	REG	SOIL	COMP	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-3	3.0 - 4.0																				
P9GU3Q	REG	SOIL	GRAB	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-3	4.0 - 4.33		1																		
P9GU3R	REG	SOIL	GRAB	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-3	4.34 - 4.66			1																	
P9GU3S	REG	SOIL	GRAB	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-3	4.67 - 5.0		1		1																
P9GU3T	REG	SOIL	COMP	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-3	4.0 - 5.0																				
P9GU40	REG	SOIL	GRAB	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-4	TBD (0.0 - 5.0)		10	5	2																
P9GU4A	REG	SOIL	GRAB	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-4	0.0 - 0.33		1																		
P9GU4B	REG	SOIL	GRAB	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-4	0.34 - 0.65		1								1										
P9GU4C	REG	SOIL	GRAB	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-4	0.67 - 1.0		1																		
P9GU4D	REG	SOIL	COMP	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-4	0.0 - 1.0																				

The sampling activity displayed on this table represents the first 6 to 9 characters of the sample identification number.

The complete sample identification number will appear on the sample labels.

AT1 Analysis Suite #1

AT2 Analysis Suite #2

AT3 Analysis Suite #3

UT4 Analysis Suite #4

AT5 Analysis Suite #5

AT6 Analysis Suite #6

AT7 Cyanide (Total & Amenable)

AT8 Nitrate

AT9 PCBs

AT10 VOCs (TAL)

AT11

AT12

AT13

AT14

AT15

AT16

AT17

AT18

AT19

AT20

Comments:

Analysis Suite #1: Analytical activities conducted in support of this suite will be performed in accordance with WIPP protocol and will include WIPP required target analytes per WIPP methods. This will be specified in the laboratory contract.

Analysis Suite #2: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPP. This will be specified in the laboratory contract.

Isotopic Plutonium includes Pu-238, Pu-239/240 and Pu-242. Isotopic Uranium includes U-233/234, U-235 and U-238

VOC grab samples noted as being taken from 1.67 to 2.0 ft., will be taken from the deepest available position in cases where the core is less than 2 ft.in length.

Analysis Suites

Analysis Suite #1: Nitrate, PCBs, SVOCs (TAL), VOCs (TAL), Total Metals

Analysis Suite #2: Am-241, Np-237, Gamma Spec, Pu-Iso, U-Iso

Analysis Suite #3: Anions, Major Cations

Analysis Suite #4: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, SVOCs (TAL), VOCs (TAL)

Analysis Suite #5: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, VOCs (TAL), Total Metals

Analysis Suite #6: Am-241, Np-237, Pu-Iso, U-Iso, Total Metals

Contingencies

Sampling and Analysis Plan Table for Chemical and Radiological Analysis

Plan Table Number PIT 9 GEM PROJE

DRAFT

SAP Number INEEL/EXT-02-00542

Date 09/26/2003 Plan Table Revision 3.0 Project OU 7-10 GLOVEBOX EXCAVATOR METHOD PROJECT Project Manager SALOMON, H. SMO Contact MOILWAIN, B. A

Sample Description						Sample Location				Enter Analysis Types (AT) and Quantity Requested																
Sampling Activity	Sample Type	Sample Matrix	Coll Type	Sampling Method	Planned Date	Area	Type of Location	Location	Depth (ft)	AT1	AT2	AT3	AT4	AT5	AT6	AT7	AT8	AT9	AT10	AT11	AT12	AT13	AT14	AT15	AT16	AT17	AT18	AT19	AT20
										3A	9A	1G	2G	5G	6G	CN	N1	PC	VA										
P9GU4E	REG	SOIL	GRAB	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-4	1.0 - 1.33		1																		
P9GU4F	REG	SOIL	GRAB	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-4	1.34 - 1.66		1	1																	
P9GU4G	REG	SOIL	GRAB	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-4	1.67 - 2.0		1								1										
P9GU4H	REG	SOIL	COMP	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-4	1.0 - 2.0																				
P9GU4I	REG	SOIL	GRAB	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-4	2.0 - 2.33			1																	
P9GU4J	REG	SOIL	GRAB	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-4	2.34 - 2.66		1																		
P9GU4K	REG	SOIL	GRAB	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-4	2.67 - 3.0			1																	
P9GU4L	REG	SOIL	COMP	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-4	2.0 - 3.0																				
P9GU4M	REG	SOIL	GRAB	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-4	3.0 - 3.33		1																		
P9GU4N	REG	SOIL	GRAB	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-4	3.34 - 3.66			1																	
P9GU4O	REG	SOIL	GRAB	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-4	3.67 - 4.0		1																		
P9GU4P	REG	SOIL	COMP	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-4	3.0 - 4.0																				
P9GU4Q	REG	SOIL	GRAB	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-4	4.0 - 4.33		1																		
P9GU4R	REG	SOIL	GRAB	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-4	4.34 - 4.66			1																	
P9GU4S	REG	SOIL	GRAB	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-4	4.67 - 5.0		1		1																

The sampling activity displayed on this table represents the first 6 to 9 characters of the sample identification number.

The complete sample identification number will appear on the sample labels.

AT1: Analysis Suite #1

AT2: Analysis Suite #2

AT3: Analysis Suite #3

AT4: Analysis Suite #4

AT5: Analysis Suite #5

AT6: Analysis Suite #6

AT7: Cyanide (Total & Amenable)

AT8: Nitrate

AT9: PCBs

AT10: VOCs (TAL)

AT11:

AT12:

AT13:

AT14:

AT15:

AT16:

AT17:

AT18:

AT19:

AT20:

Comments:

Analysis Suite #1: Analytical activities conducted in support of this suite will be performed in accordance with WIPP protocol and will include WIPP required target analytes per WIPP methods. This will be specified in the laboratory contract.

Analysis Suite #2: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPjP. This will be specified in the laboratory contract.

Isotopic Plutonium includes Pu-238, Pu-239/240 and Pu-242. Isotopic Uranium includes U-233/234, U-235 and U-238.

VOC grab samples noted as being taken from 1.67 to 2.0 ft., will be taken from the deepest available position in cases where the core is less than 2 ft in length

Analysis Suites:

Analysis Suite #1: Nitrate, PCBs, SVOCs (TAL), VOCs (TAL), Total Metals

Analysis Suite #2: Am-241, Np-237, Gamma Spec, Pu-Iso, U-Iso

Analysis Suite #3: Anions, Major Cations

Analysis Suite #4: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, SVOCs (TAL), VOCs (TAL)

Analysis Suite #5: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, VOCs (TAL), Total Metals

Analysis Suite #6: Am-241, Np-237, Pu-Iso, U-Iso, Total Metals

Contingencies:

Plan Table Number: PIT 9 GEM PROJ

DRAFT

SAP Number: INEEL/EXT-02-00542

Date: 09/26/2003 Plan Table Revision: 3.0 Project: OU 7-10 GLOVEBOX EXCAVATOR METHOD PROJECT Project Manager: SALOMON, K. SMC Contact: MCILWAIN, B. A.

Sample Description						Sample Location				Enter Analysis Types (AT) and Quantity Requested																				
Sampling Activity	Sample Type	Sample Matrix	Coll Type	Sampling Method	Planned Date	Area	Type of Location	Location	Depth (ft)	AT1	AT2	AT3	AT4	AT5	AT6	AT7	AT8	AT9	AT10	AT11	AT12	AT13	AT14	AT15	AT16	AT17	AT18	AT19	AT20
										3A	9A	1G	2G	5G	6G	CN	N1	PC	VA										
P9GU4T	REG	SOIL	COMP	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-4	4.0 - 5.0																				
P9GU50	REG	SOIL	GRAB	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-5A	TBD (0.0 - 5.0)			5	2																
P9GU5A	REG	SOIL	GRAB	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-5A	0.0 - 0.33		1																		
P9GU5B	REG	SOIL	GRAB	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-5A	0.34 - 0.66		1								1										
P9GU5C	REG	SOIL	GRAB	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-5A	0.67 - 1.0		1																		
P9GU5D	REG	SOIL	COMP	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-5A	0.0 - 1.0																				
P9GU5E	REG	SOIL	GRAB	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-5A	1.0 - 1.33		1																		
P9GU5F	REG	SOIL	GRAB	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-5A	1.34 - 1.66		1	1																	
P9GU5G	REG	SOIL	GRAB	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-5A	1.67 - 2.0		1								1										
P9GU5H	REG	SOIL	COMP	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-5A	1.0 - 2.0																				
P9GU5I	REG	SOIL	GRAB	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-5A	2.0 - 2.33			1																	
P9GU5J	REG	SOIL	GRAB	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-5A	2.34 - 2.66		1																		
P9GU5K	REG	SOIL	GRAB	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-5A	2.67 - 3.0			1																	
P9GU5L	REG	SOIL	COMP	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-5A	2.0 - 3.0																				
P9GU5M	REG	SOIL	GRAB	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-5A	3.0 - 3.33		1																		

The sampling activity displayed on this table represents the first 8 to 9 characters of the sample identification number. The complete sample identification number will appear on the sample labels

AT1: Analysis Suite #1

AT2: Analysis Suite #2

AT3: Analysis Suite #3

AT4: Analysis Suite #4

AT5: Analysis Suite #5

AT6: Analysis Suite #6

AT7: Cyanide (Total & Amenable)

AT8: Nitrate

AT9: PCBs

AT10: VOCs (TAL)

AT11:

AT12:

AT13:

AT14:

AT15:

AT16:

AT17:

AT18:

AT19:

AT20:

Comments:

Analysis Suite #1: Analytical activities conducted in support of this suite will be performed in accordance with WPP protocol and will include WPP required target analytes per WPP methods. This will be specified in the laboratory contract.

Analysis Suite #2: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPjP. This will be specified in the laboratory contract.

Isotopic Plutonium includes Pu-238, Pu-239/240 and Pu-242. Isotopic Uranium includes U-233/234 U-235 and U-238.

VOC grab samples noted as being taken from 1.67 to 2.0 ft., will be taken from the deepest available position in cases where the core is less than 2 ft in length.

Analysis Suites:

Analysis Suite #1: Nitrate, PCBs, SVOCs (TAL), VOCs (TAL), Total Metals

Analysis Suite #2: Am-241, Np-237, Gamma Spec, Pu-Iso, U-Iso

Analysis Suite #3: Anions, Major Cations

Analysis Suite #4: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, SVOCs (TAL), VOCs (TAL)

Analysis Suite #5: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, VOCs (TAL), Total Metals

Analysis Suite #6: Am-241, Np-237, Pu-Iso, U-Iso, Total Metals

Contingencies:

Plan Table Number: PIT 9 GEM PROJE

DRAFT

SAP Number: INEEL/EXT-02-00542

Date: 09/26/2003 Plan Table Revision: 3.0 Project: OU 7-10 GLOVEBOX EXCAVATOR METHOD PROJECT Project Manager: SALOMON, H. SMO Contact: MCILWAIN, B. A.

Sample Description						Sample Location				Enter Analysis Types (AT) and Quantity Requested																				
Sampling Activity	Sample Type	Sample Matrix	Coll Type	Sampling Method	Planned Date	Area	Type of Location	Location	Depth (ft)	AT1 3A	AT2 9A	AT3 1G	AT4 2G	AT5 5G	AT5 6G	AT7 CN	AT8 N1	AT9 PC	AT10 VA	AT11	AT12	AT13	AT14	AT15	AT16	AT17	AT18	AT19	AT20
P9GU5N	REG	SOIL	GRAB	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-5A	3.34 - 3.66			1																	
P9GU5O	REG	SOIL	GRAB	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-5A	3.67 - 4.0		1																			
P9GU5P	REG	SOIL	COMP	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-5A	3.0 - 4.0																					
P9GU5Q	REG	SOIL	GRAB	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-5A	4.0 - 4.33		1																			
P9GU5R	REG	SOIL	GRAB	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-5A	4.34 - 4.66			1																		
P9GU5S	REG	SOIL	GRAB	CORE	09/15/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-5A	4.67 - 5.0		1		1																	
P9GU5T	REG	SOIL	COMP	CORE	09/15/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-5A	4.0 - 5.0																					
P9GU60	QC	SOIL	DUP	CORE	09/15/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-5B	TBD (0.0 - 5.0)		10	5	2																	
P9GU6A	QC	SOIL	DUP	CORE	09/15/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-5B	0.0 - 0.33		1																			
P9GU6B	QC	SOIL	DUP	CORE	09/15/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-5B	0.66 - 0.34		1								1											
P9GU6C	QC	SOIL	DUP	CORE	09/15/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-5B	1.0 - 0.67		1																			
P9GU6D	QC	SOIL	DUP	CORE	09/15/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-5B	0.0 - 1.0																					
P9GU6E	QC	SOIL	DUP	CORE	09/15/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-5B	1.0 - 1.33		1																			
P9GU6F	QC	SOIL	DUP	CORE	09/15/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-5B	1.34 - 1.66		1	1																		
P9GU6G	QC	SOIL	DUP	CORE	09/15/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-5B	1.67 - 2.0		1								1											

The sampling activity displayed on this table represents the first 6 to 9 characters of the sample identification number. The complete sample identification number will appear on the sample labels.

AT1: Analysis Suite #1

AT2: Analysis Suite #2

AT3: Analysis Suite #3

AT4: Analysis Suite #4

AT5: Analysis Suite #5

AT6: Analysis Suite #6

AT7: Cyanide (Total & Amenable)

AT8: Nitrate

AT9: PCBs

AT10: VOCs (TAL)

AT11:

AT12:

AT13:

AT14:

AT15:

AT16:

AT17:

AT18:

AT19:

AT20:

Comments:

Analysis Suite #1: Analytical activities conducted in support of this suite will be performed in accordance with WIPP protocol and will include WIPP required target analytes per WIPP methods. This will be specified in the laboratory contract.

Analysis Suite #2: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPjP. This will be specified in the laboratory contract.

Isotopic Plutonium includes Pu-238, Pu-239/240 and Pu-242. Isotopic Uranium includes U-233/234, U-235 and U-238.

VOC grab samples noted as being taken from 1.67 to 2.0 ft., will be taken from the deepest available position in cases where the core is less than 2 ft in length.

Analysis Suites

Analysis Suite #1: Nitrate, PCBs, SVOCs (TAL), VOCs (TAL), Total Metals

Analysis Suite #2: Am-241, Np-237, Gamma Spec, Pu-Iso, U-Iso

Analysis Suite #3: Anions, Major Cations

Analysis Suite #4: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, SVOCs (TAL), VOCs (TAL)

Analysis Suite #5: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, VOCs (TAL), Total Metals

Analysis Suite #6: Am-241, Np-237, Pu-Iso, U-Iso, Total Metals

Contingencies

Sampling and Analysis Plan Table for Chemical and Radiological Analysis

Plan Table Number: PIT 9 GEM PROJE

DRAFT

SAP Number: INEEL/EXT-02-00542

Date: 09/26/2003 Plan Table Revision: 3.0 Project: OU 7-10 GLOVEBOX EXCAVATOR METHOD PROJECT Project Manager: SALOMON, K. SMO Contact: MCILWAIN, B. A.

Sample Description						Sample Location				Enter Analysis Types (AT) and Quantity Requested																	
Sampling Activity	Sample Type	Sample Matrix	Coll Type	Sampling Method	Planned Date	Area	Type of Location	Location	Depth (ft)	AT1	AT2	AT3	AT4	AT5	AT6	AT7	AT8	AT9	AT10	AT11	AT12	AT13	AT14	AT15	AT16	AT17	AT18	AT19	AT20
										3A	9A	1G	2G	5G	6G	CN	N1	PC	VA										
P9GU6H	QC	SOIL	DUP	CORE	09/15/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-5B	1.0 - 2.0																				
P9GU6I	QC	SOIL	DUP	CORE	09/15/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-5B	2.0 - 2.33			1																	
P9GU6J	QC	SOIL	DUP	CORE	09/15/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-5B	2.34 - 2.66		1																		
P9GU6K	QC	SOIL	DUP	CORE	09/15/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-5B	2.67 - 3.0			1																	
P9GU6L	QC	SOIL	DUP	CORE	09/15/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-5B	2.0 - 3.0																				
P9GU6M	QC	SOIL	DUP	CORE	09/15/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-5B	3.0 - 3.33		1																		
P9GU6N	QC	SOIL	DUP	CORE	09/15/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-5B	3.34 - 3.66			1																	
P9GU6O	QC	SOIL	DUP	CORE	09/15/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-5B	3.67 - 4.0		1																		
P9GU6P	QC	SOIL	DUP	CORE	09/15/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-5B	3.0 - 4.0																				
P9GU6Q	QC	SOIL	DUP	CORE	09/15/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-5B	4.33 - 4.0		1																		
P9GU6R	QC	SOIL	DUP	CORE	09/15/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-5B	4.65 - 4.34			1																	
P9GU6S	QC	SOIL	DUP	CORE	09/15/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-5B	4.67 - 5.0		1		1																
P9GU6T	QC	SOIL	DUP	CORE	09/15/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-5B	4.0 - 5.0																				
P9GW01	QC	SOLID WASTE	DUP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	2																			
P9GWC2	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			

The sampling activity displayed on this table represents the first 6 to 9 characters of the sample identification number. The complete sample identification number will appear on the sample labels.

AT1: Analysis Suite #1
AT2: Analysis Suite #2
AT3: Analysis Suite #3
AT4: Analysis Suite #4
AT5: Analysis Suite #5
AT6: Analysis Suite #6
AT7: Cyanide (Total & Amenable)
AT8: Nitrate
AT9: PCBs
AT10: VOCs (TAL)
AT11:
AT12:
AT13:
AT14:
AT15:
AT16:
AT17:
AT18:
AT19:
AT20:

Comments:

Analysis Suite #1: Analytical activities conducted in support of this suite will be performed in accordance with WIPP protocol and will include WIPP required target analytes per WIPP methods. This will be specified in the laboratory contract.

Analysis Suite #2: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPP. This will be specified in the laboratory contract.

Isotopic Plutonium includes Pu-238, Pu-239/240 and Pu-242. Isotopic Uranium includes U-233/234, U-235 and U-238.

VOC grab samples noted as being taken from 1.67 to 2.0 ft, will be taken from the deepest available position in cases where the core is less than 2 ft in length.

Analysis Suites:

Analysis Suite #1: Nitrate, PCBs, SVOCs (TAL), VOCs (TAL), Total Metals
Analysis Suite #2: Am-241, Np-237, Gamma Spec, Pu-Iso, U-Iso
Analysis Suite #3: Anions, Major Cations
Analysis Suite #4: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, SVOCs (TAL), VOCs (TAL)
Analysis Suite #5: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, VOCs (TAL), Total Metals
Analysis Suite #6: Am-241, Np-237, Pu-Iso, U-Iso, Total Metals

Contingencies:

Plan Table Number: PIT 9 GEM PROJE

DRAFT

SAP Number: INEEL/EXT-02-00542

Date: 09/25/2003 Plan Table Revision: 3.0 Project: OU 7-10 GLOVEBOX EXCAVATOR METHOD PROJECT Project Manager: SALOMON, H. SMO Contact: MOILWAIN, B. A.

Sample Description						Sample Location				Enter Analysis Types (AT) and Quantity Requested																				
Sampling Activity	Sample Type	Sample Matrix	Coll Type	Sampling Method	Planned Date	Area	Type of Location	Location	Depth (ft)	AT1	AT2	AT3	AT4	AT5	AT6	AT7	AT8	AT9	AT10	AT11	AT12	AT13	AT14	AT15	AT16	AT17	AT18	AT19	AT20
										3A	9A	1G	2G	5G	6G	CN	N1	PC	VA										
P9GW03	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW04	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW05	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW06	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW07	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW08	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW09	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW10	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW11	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW12	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW13	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW14	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW15	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW16	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW17	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			

The sampling activity displayed on this table represents the first 6 to 9 characters of the sample identification number. The complete sample identification number will appear on the sample labels.

AT1: Analysis Suite #1

AT2: Analysis Suite #2

AT3: Analysis Suite #3

AT4: Analysis Suite #4

AT5: Analysis Suite #5

AT6: Analysis Suite #6

AT7: Cyanide (Total & Amenable)

AT8: Nitrate

AT9: PCBs

AT10: VOCs (TAL)

AT11:

AT12:

AT13:

AT14:

AT15:

AT16:

AT17:

AT18:

AT19:

AT20:

Comments:

Analysis Suite #1: Analytical activities conducted in support of this suite will be performed in accordance with WIPP protocol and will include WIPP required target analytes per WIPP methods. This will be specified in the laboratory contract.

Analysis Suite #2: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPjP. This will be specified in the laboratory contract.

Isotopic Plutonium includes Pu-238, Pu-239/240 and Pu-242. Isotopic Uranium includes U-233/234, U-235 and U-238.

VOC grab samples noted as being taken from 1.67 to 2.0 ft., will be taken from the deepest available position in cases where the core is less than 2 ft in length.

Analysis Suites

Analysis Suite #1: Nitrate, PCBs, SVOCs (TAL), VOCs (TAL), Total Metals

Analysis Suite #2: Am-241, Np-237, Gamma Spec, Pu-Iso, U-Iso

Analysis Suite #3: Anions, Major Cations

Analysis Suite #4: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, SVOCs (TAL), VOCs (TAL)

Analysis Suite #5: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, VOCs (TAL), Total Metals

Analysis Suite #6: Am-241, Np-237, Pu-Iso, U-Iso, Total Metals

Contingencies

Sampling and Analysis Plan Table for Chemical and Radiological Analysis

Plan Table Number: PIT 9 GEM PROJE

DRAFT

SAP Number: INEEL/EXT-02-00542

Date: 09/26/2003 Plan Table Revision: 3.0 Project: OU 7-10 GLOVEBOX EXCAVATOR METHOD PROJECT Project Manager: SALOMON, H SMO Contact: MCILWAIN, B. A.

Sample Description						Sample Location				Enter Analysis Types (AT) and Quantity Requested																
Sampling Activity	Sample Type	Sample Matrix	Coll Type	Sampling Method	Planned Date	Area	Type of Location	Location	Depth (ft)	AT1	AT2	AT3	AT4	AT5	AT6	AT7	AT8	AT9	AT10	AT11	AT12	AT13	AT14	AT15	AT16	AT17	AT18	AT19	AT20
										3A	9A	1G	2G	5G	6G	CN	N1	PC	VA										
P9GW18	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW19	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW20	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW21	REG/QC	SOLID WASTE	DUP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	2																			
P9GW22	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW23	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW24	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW25	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW26	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW27	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW28	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW29	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW30	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW31	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW32	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			

The sampling activity displayed on this table represents the first 5 to 9 characters of the sample identification number.

The complete sample identification number will appear on the sample labels.

AT1: Analysis Suite #1

AT2: Analysis Suite #2

AT3: Analysis Suite #3

AT4: Analysis Suite #4

AT5: Analysis Suite #5

AT6: Analysis Suite #6

AT7: Cyanide (Total & Amenable)

AT8: Nitrate

AT9: PCBs

AT10: VOCs (TAL)

AT11:

AT12:

AT13:

AT14:

AT15:

AT16:

AT17:

AT18:

AT19:

AT20:

Comments:

Analysis Suite #1: Analytical activities conducted in support of this suite will be performed in accordance with WIPP protocol and will include WIPP required target analytes per WIPP methods. This will be specified in the laboratory contract.

Analysis Suite #2: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPjP. This will be specified in the laboratory contract.

Isotopic Plutonium includes Pu-238, Pu-239/240 and Pu-242. Isotopic Uranium includes U-233/234, U-235 and U-238

VOC grab samples noted as being taken from 1.67 to 2.0 ft., will be taken from the deepest available position in cases where the core is less than 2 ft in length

Analysis Suites:

Analysis Suite #1: Nitrate, PCBs, SVOCs (TAL), VOCs (TAL), Total Metals

Analysis Suite #2: Am-241, Np-237, Gamma Spec, Pu-Iso, U-Iso

Analysis Suite #3: Anions, Major Cations

Analysis Suite #4: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, SVOCs (TAL), VOCs (TAL)

Analysis Suite #5: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, VOCs (TAL), Total Metals

Analysis Suite #6: Am-241, Np-237, Pu-Iso, U-Iso, Total Metals

Contingencies:

Plan Table Number: PIT 9 GEM PROJE

DRAFT

SAP Number: INEEL/EXT-02-00542

Date: 09/26/2003 Plan Table Revision: 3.0 Project: OU 7-10 GLOVEBOX EXCAVATOR METHOD PROJECT Project Manager: SALOMON, H. SMO Contact: MCILWAIN, B. A

Sample Description						Sample Location				Enter Analysis Types (AT) and Quantity Requested																				
Sampling Activity	Sample Type	Sample Matrix	Coll Type	Sampling Method	Planned Date	Area	Type of Location	Location	Depth (ft)	AT1	AT2	AT3	AT4	AT5	AT6	AT7	AT8	AT9	AT10	AT11	AT12	AT13	AT14	AT15	AT16	AT17	AT18	AT19	AT20
										3A	9A	1G	2G	5G	6G	CN	N1	PC	VA										
P9GW33	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW34	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW35	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW36	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW37	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW38	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW39	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW40	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW41	REG/QC	SOLID WASTE	DUP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	2																			
P9GW42	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW43	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW44	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW45	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW46	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW47	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			

The sampling activity displayed on this table represents the first 6 to 9 characters of the sample identification number. The complete sample identification number will appear on the sample labels.

AT1: Analysis Suite #1

AT2: Analysis Suite #2

AT3: Analysis Suite #3

AT4: Analysis Suite #4

AT5: Analysis Suite #5

AT6: Analysis Suite #6

AT7: Cyanide (Total & Amenable)

AT8: Nitrate

AT9: PCBs

AT10: VOCs (TAL)

AT11:

AT12:

AT13:

AT14:

AT15:

AT16:

AT17:

AT18:

AT19:

AT20:

Comments

Analysis Suite #1: Analytical activities conducted in support of this suite will be performed in accordance with WIPP protocol and will include WIPP required target analytes per WIPP methods. This will be specified in the laboratory contract.

Analysis Suite #2: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPP. This will be specified in the laboratory contract.

Isotopic Plutonium includes Pu-238, Pu-239/240 and Pu-242. Isotopic Uranium includes U-233/234, U-235 and U-238.

VOC grab samples noted as being taken from 1.67 to 2.0 ft, will be taken from the deepest available position in cases where the core is less than 2 ft in length.

Analysis Suites

Analysis Suite #1: Nitrate, PCBs, SVOCs (TAL), VOCs (TAL), Total Metals

Analysis Suite #2: Am-241, Np-237, Gamma Spec, Pu-Iso, U-Iso

Analysis Suite #3: Anions, Major Cations

Analysis Suite #4: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, SVOCs (TAL), VOCs (TAL)

Analysis Suite #5: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, VOCs (TAL), Total Metals

Analysis Suite #6: Am-241, Np-237, Pu-Iso, U-Iso, Total Metals

Contingencies

Sampling and Analysis Plan Table for Chemical and Radiological Analysis

Plan Table Number: PIT 9 GEM PROJE

DRAFT

SAP Number: INEEL/EXT-02-00542

Date: 09/26/2003 Plan Table Revision: 3.0 Project: OU 7-10 GLOVEBOX EXCAVATOR METHOD PROJECT Project Manager: SALOMON, H. SMO Contact: MCILWAIN, B. A

Sample Description						Sample Location				Enter Analysis Types (AT) and Quantity Requested																	
Sampling Activity	Sample Type	Sample Matrix	Coll Type	Sampling Method	Planned Date	Area	Type of Location	Location	Depth (ft)	AT1	AT2	AT3	AT4	AT5	AT6	AT7	AT8	AT9	AT10	AT11	AT12	AT13	AT14	AT15	AT16	AT17	AT18	AT19	AT20
										3A	9A	1G	2G	5G	6G	CN	N1	PC	VA										
P9GW48	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW49	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW50	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW51	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW52	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW53	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW54	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW55	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW56	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW57	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW58	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW59	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW60	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW61	REG/QC	SOLID WASTE	DUP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	2																			
P9GW62	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			

The sampling activity displayed on this table represents the first 6 to 9 characters of the sample identification number. The complete sample identification number will appear on the sample labels.

AT1: Analysis Suite #1

AT2: Analysis Suite #2

AT3: Analysis Suite #3

AT4: Analysis Suite #4

AT5: Analysis Suite #5

AT6: Analysis Suite #6

AT7: Cyanide (Total & Amenable)

AT8: Nitrate

AT9: PCBs

AT10: VOCs (TAL)

AT11:

AT12:

AT13:

AT14:

AT15:

AT16:

AT17:

AT18:

AT19:

AT20:

Comments:

Analysis Suite #1: Analytical activities conducted in support of this suite will be performed in accordance with WIPP protocol and will include WIPP required target analytes per WIPP methods. This will be specified in the laboratory contract.

Analysis Suite #2: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPjP. This will be specified in the laboratory contract.

Isotopic Plutonium includes Pu-238, Pu-239/240 and Pu-242. Isotopic Uranium includes U-233/234, U-235 and U-238.

VOC grab samples noted as being taken from 1.67 to 2.0 ft, will be taken from the deepest available position in cases where the core is less than 2 ft in length.

Analysis Suites

Analysis Suite #1: Nitrate, PCBs, SVOCs (TAL), VOCs (TAL), Total Metals

Analysis Suite #2: Am-241, Np-237, Gamma Spec, Pu-Iso, U-Iso

Analysis Suite #3: Anions, Major Cations

Analysis Suite #4: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, SVOCs (TAL), VOCs (TAL)

Analysis Suite #5: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, VOCs (TAL), Total Metals

Analysis Suite #6: Am-241, Np-237, Pu-Iso, U-Iso, Total Metals

Contingencies

Plan Table Number: PIT 9 GEM PROJE

DRAFT

SAP Number: INEEL/EXT-02-00542

Date: 09/26/2003 Plan Table Revision: 3.0 Project: OU 7-10 GLOVEBOX EXCAVATOR METHOD PROJECT Project Manager: SALOMON, K SMO Contact: MCILWAIN, B A

Sample Description						Sample Location				Enter Analysis Types (AT) and Quantity Requested																	
										AT1	AT2	AT3	AT4	AT5	AT6	AT7	AT8	AT9	AT10	AT11	AT12	AT13	AT14	AT15	AT16	AT17	AT18	AT19	AT20
Sampling Activity	Sample Type	Sample Matrix	Coll Type	Sampling Method	Planned Date	Area	Type of Location	Location	Depth (ft)	3A	9A	1G	2G	5G	6G	CN	N1	PC	VA										
P9GW63	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW64	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW65	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW66	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW67	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW68	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW69	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW70	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW71	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW72	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW73	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW74	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW75	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW76	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW77	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			

The sampling activity displayed on this table represents the first 6 to 9 characters of the sample identification number.

The complete sample identification number will appear on the sample labels

AT1: Analysis Suite #1

AT2: Analysis Suite #2

AT3: Analysis Suite #3

AT4: Analysis Suite #4

AT5: Analysis Suite #5

AT6: Analysis Suite #6

AT7: Cyanide (Total & Amenable)

AT8: Nitrate

AT9: PCBs

AT10: VOCs (TAL)

AT11:

AT12:

AT13:

AT14:

AT15:

AT16:

AT17:

AT18:

AT19:

AT20:

Comments

Analysis Suite #1: Analytical activities conducted in support of this suite will be performed in accordance with WIPP protocol and will include WIPP required target analytes per WIPP methods. This will be specified in the laboratory contract.

Analysis Suite #2: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPjP. This will be specified in the laboratory contract.

Isotopic Plutonium includes Pu-238, Pu-239/240 and Pu-242. Isotopic Uranium includes U-233/234, U-235 and U-238.

VOC grab samples noted as being taken from 1.67 to 2.0 ft., will be taken from the deepest available position in cases where the core is less than 2 ft in length.

Analysis Suites:

Analysis Suite #1: Nitrate, PCBs, SVOCs (TAL), VOCs (TAL), Total Metals

Analysis Suite #2: Am-241, Np-237, Gamma Spec, Pu-Iso, U-Iso

Analysis Suite #3: Anions, Major Cations

Analysis Suite #4: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, SVOCs (TAL), VOCs (TAL)

Analysis Suite #5: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, VOCs (TAL), Total Metals

Analysis Suite #6: Am-241, Np-237, Pu-Iso, U-Iso, Total Metals

Contingencies:

Plan Table Number: PIT 9 GEM PROJE

DRAFT

SAP Number: INEEL/EXT-02-00642

Date: 09/26/2003 Plan Table Revision: 3.0 Project: OU 7-10 GLOVEBOX EXCAVATOR METHOD PROJECT Project Manager: SALOMON, H. SNO Contact: MCILWAIN, B. A.

Sample Description						Sample Location				Enter Analysis Types (AT) and Quantity Requested																	
Sampling Activity	Sample Type	Sample Matrix	Coll Type	Sampling Method	Planned Date	Area	Type of Location	Location	Depth (ft)	AT1	AT2	AT3	AT4	AT5	AT6	AT7	AT8	AT9	AT10	AT11	AT12	AT13	AT14	AT15	AT16	AT17	AT18	AT19	AT20
										3A	9A	1G	2G	5G	6G	CN	N1	PC	VA										
P9GW78	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW79	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW80	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW81	REG/QC	SOLID WASTE	DUP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	2																			
P9GW82	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW83	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW84	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW85	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW86	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW87	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW88	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW89	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW90	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW91	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW92	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			

The sampling activity displayed on this table represents the first 6 to 9 characters of the sample identification number. The complete sample identification number will appear on the sample labels

AT1: Analysis Suite #1

AT2: Analysis Suite #2

AT3: Analysis Suite #3

AT4: Analysis Suite #4

AT5: Analysis Suite #5

AT6: Analysis Suite #6

AT7: Cyanide (Total & Amenable)

AT8: Nitrate

AT9: PCBs

AT10: VOCs (TAL)

AT11:

AT12:

AT13:

AT14:

AT15:

AT16:

AT17:

AT18:

AT19:

AT20:

Comments:

Analysis Suite #1: Analytical activities conducted in support of this suite will be performed in accordance with WIPP protocol and will include WIPP required target analytes per WIPP methods. This will be specified in the laboratory contract.

Analysis Suite #2: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPjP. This will be specified in the laboratory contract.

Isotopic Plutonium includes Pu-238, Pu-239/240 and Pu-242. Isotopic Uranium includes U-233/234, U-235 and U-238.

VOC grab samples noted as being taken from 1.57 to 2.0 ft., will be taken from the deepest available position in cases where the core is less than 2 ft in length.

Analysis Suites:

Analysis Suite #1: Nitrate, PCBs, SVOCs (TAL), VOCs (TAL), Total Metals

Analysis Suite #2: Am-241, Np-237, Gamma Spec, Pu-Iso, U-Iso

Analysis Suite #3: Anions, Major Cations

Analysis Suite #4: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, SVOCs (TAL), VOCs (TAL)

Analysis Suite #5: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, VOCs (TAL), Total Metals

Analysis Suite #6: Am-241, Np-237, Pu-Iso, U-Iso, Total Metals

Contingencies

Plan Table Number: PIT 9 GEM PROJE

DRAFT

SAP Number: INEEL/EXT-02-00542

Date: 09/26/2003 Plan Table Revision: 3.0 Project: OU 7-10 GLOVEBOX EXCAVATOR METHOD PROJECT Project Manager: SALOMON, H. SMO Contact: MCILWAIN, B. A.

Sample Description						Sample Location				Enter Analysis Types (AT) and Quantity Requested																	
										AT1	AT2	AT3	AT4	AT5	AT6	AT7	AT8	AT9	AT10	AT11	AT12	AT13	AT14	AT15	AT16	AT17	AT18	AT19	AT20
Sampling Activity	Sample Type	Sample Matrix	Coll Type	Sampling Method	Planned Date	Area	Type of Location	Location	Depth (ft)	3A	9A	1G	2G	5G	6G	CN	N1	PC	vA										
P9GW93	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW94	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW95	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW96	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW97	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW98	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GW99	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GWA1	REG/QC	SOLID WASTE	DUP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	2																			
P9GWA2	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GWA3	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GWA4	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GWA5	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GWA6	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GWA7	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GWA8	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			

The sampling activity displayed on this table represents the first 6 to 9 characters of the sample identification number. The complete sample identification number will appear on the sample labels.

AT1 Analysis Suite #1

AT2 Analysis Suite #2

AT3 Analysis Suite #3

AT4 Analysis Suite #4

AT5 Analysis Suite #5

AT6 Analysis Suite #6

AT7 Cyanide (Total & Amenable)

4-a Nitrate

AT9 PCBs

AT10 VOCs (TAL)

AT11

AT12

AT13

AT14

AT15

AT16

AT17

AT18

AT19

AT20

Comments:

Analysis Suite #1: Analytical activities conducted in support of this suite will be performed in accordance with WIPP protocol and will include WIPP required target analytes per WIPP methods. This will be specified in the laboratory contract.

Analysis Suite #2: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPjP. This will be specified in the laboratory contract.

Isotopic Plutonium includes Pu-238, Pu-239/240 and Pu-242. Isotopic Uranium includes U-233/234, U-235 and U-238.

VOC grab samples noted as being taken from 1.67 to 2.0 ft. will be taken from the deepest available position in cases where the core is less than 2 ft in length.

Analysis Suites:

Analysis Suite #1: Nitrate, PCBs, SVOCs (TAL), VOCs (TAL), Total Metals

Analysis Suite #2: Am-241, Np-237, Gamma Spec, Pu-Iso, U-Iso

Analysis Suite #3: Anions, Major Cations

Analysis Suite #4: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Isc, Iodine-129, SVOCs (TAL), VOCs (TAL)

Analysis Suite #5: Am-241, Anions, C-14, Tc-99, Total Strontium, Np 237, Pu-Iso, U-Isc, Iodine-129, VOCs (TAL), Total Metals

Analysis Suite #6: Am-241, Np-237, Pu-Iso, U-Iso, Total Metals

Contingencies

Plan Table Number: PIT 9 GEM PROJE

DRAFT

SAP Number: INEEL/EXT-02-00542

Date: 09/29/2003 Plan Table Revision: 3.0 Project: OU 7-10 GLOVEBOX EXCAVATOR METHOD PROJECT Project Manager: SALOMON, H. SMO Contact: MCILWAIN, B. A.

Sample Description						Sample Location				Enter Analysis Types (AT) and Quantity Requested																	
Sampling Activity	Sample Type	Sample Matrix	Coll Type	Sampling Method	Planned Date	Area	Type of Location	Location	Depth (ft)	AT1	AT2	AT3	AT4	AT5	AT6	AT7	AT8	AT9	AT10	AT11	AT12	AT13	AT14	AT15	AT16	AT17	AT18	AT19	AT20
										3A	9A	1G	2G	5G	8G	CN	N1	PC	VA										
P9GWA9	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GWB1	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GWB2	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GWB3	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GWB4	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GWB5	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GWB6	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GWB7	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GWB8	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GWB9	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GWC1	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GWC2	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GWC3	REG/QC	SOLID WASTE	DUP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	2																			
P9GWC4	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GWC5	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			

The sampling activity displayed on this table represents the first 6 to 9 characters of the sample identification number. The complete sample identification number will appear on the sample labels.

AT1: Analysis Suite #1

AT2: Analysis Suite #2

AT3: Analysis Suite #3

AT4: Analysis Suite #4

AT5: Analysis Suite #5

AT6: Analysis Suite #6

AT7: Cyanide (Total & Amenable)

AT8: Nitrate

AT9: PCBs

AT10: VOCs (TAL)

AT11:

AT12:

AT13:

AT14:

AT15:

AT16:

AT17:

AT18:

AT19:

AT20:

Comments:

Analysis Suite #1: Analytical activities conducted in support of this suite will be performed in accordance with WIPP protocol and will include WIPP required target analytes per WIPP methods. This will be specified in the laboratory contract.

Analysis Suite #2: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPP. This will be specified in the laboratory contract.

Isotopic Plutonium includes Pu-238, Pu-239/240 and Pu-242. Isotopic Uranium includes U-233/234, U-235 and U-238.

VOC grab samples noted as being taken from 1.67 to 2.0 ft., will be taken from the deepest available position in cases where the core is less than 2 ft in length.

Analysis Suites:

Analysis Suite #1: Nitrate, PCBs, SVOCs (TAL), VOCs (TAL), Total Metals

Analysis Suite #2: Am-241, Np-237, Gamma Spec, Pu-Iso, U-Iso

Analysis Suite #3: Anions, Major Cations

Analysis Suite #4: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, SVOCs (TAL), VOCs (TAL)

Analyses Suite #5: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, VOCs (TAL), Total Metals

Analysis Suite #6: Am-241, Np-237, Pu-Iso, U-Iso, Total Metals

Contingencies:

Plan Table Number PT 9 GEM PROJE

DRAFT

SAP Number INEEL/EXT-02-00542

Date: 09/25/2003 Plan Table Revision: 3.0 Project: OU 7-10 GLOVEBOX EXCAVATOR METHOD PROJECT Project Manager: SALOMON, K SMO Contact: MCILWAIN, B. A

Sample Description						Sample Location				Enter Analysis Types (AT) and Quantity Requested																				
Sampling Activity	Sample Type	Sample Matrix	Coll Type	Sampling Method	Planned Date	Area	Type of Location	Location	Depth (ft)	AT1	AT2	AT3	AT4	AT5	AT6	AT7	AT8	AT9	AT10	AT11	AT12	AT13	AT14	AT15	AT16	AT17	AT18	AT19	AT20
										3A	9A	1G	2G	5G	6G	CN	N1	PC	VA										
P9GWC6	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GWC7	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GWC8	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GWC9	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GWD1	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GWD2	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GWD3	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GWD4	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GWD5	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GWD6	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GWD7	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GWD8	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GWD9	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GWE1	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GWE2	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			

The sampling activity displayed on this table represents the first 6 to 9 characters of the sample identification number. The complete sample identification number will appear on the sample labels.

AT1: Analysis Suite #1

AT2: Analysis Suite #2

AT3: Analysis Suite #3

AT4: Analysis Suite #4

AT5: Analysis Suite #5

AT6: Analysis Suite #6

AT7: Cyanide (Total & Amenable)

AT8: Nitrate

AT9: PCBs

AT10: VOCs (TAL)

AT11:

AT12:

AT13:

AT14:

AT15:

AT16:

AT17:

AT18:

AT19:

AT20:

Comments:

Analysis Suite #1: Analytical activities conducted in support of this suite will be performed in accordance with WIPP protocol and will include WIPP required target analytes per WIPP methods. This will be specified in the laboratory contract.

Analysis Suite #2: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPjP. This will be specified in the laboratory contract.

Isotopic Plutonium includes Pu-238, Pu-239/240 and Pu-242. Isotopic Uranium includes U-233/234, U-235 and U-238.

VOC grab samples noted as being taken from 1.67 to 2.0 ft., will be taken from the deepest available position in cases where the core is less than 2 ft in length.

Analysis Suites:

Analysis Suite #1: Nitrate, PCBs, SVOCs (TAL), VOCs (TAL), Total Metals

Analysis Suite #2: Am-241, Np-237, Gamma Spec, Pu-Iso, U-Iso

Analysis Suite #3: Anions, Major Cations

Analysis Suite #4: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, SVOCs (TAL), VOCs (TAL)

Analysis Suite #5: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, VOCs (TAL), Total Metals

Analysis Suite #6: Am-241, Np-237, Pu-Iso, U-Iso, Total Metals

Contingencies:

Plan Table Number: P/T 9 GEM PROJ

DRAFT

SAP Number: INEEL/EXT-02-00542

Date: 09/25/2003 Plan Table Revision: 3.0 Project: OU 7-10 GLOVEBOX EXCAVATOR METHOD PROJECT Project Manager: SALOMON, H. SMO Contact: MCILWAIN, B. A.

Sample Description						Sample Location				Enter Analysis Types (AT) and Quantity Requested																	
Sampling Activity	Sample Type	Sample Matrix	Coll Type	Sampling Method	Planned Date	Area	Type of Location	Location	Depth (ft)	AT1	AT2	AT3	AT4	AT5	AT6	AT7	AT8	AT9	AT10	AT11	AT12	AT13	AT14	AT15	AT16	AT17	AT18	AT19	AT20
										3A	8A	1G	2G	5G	6G	CN	N1	PC	VA										
P9GWE3	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GWE4	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GWE5	REG/QC	SOLID WASTE	DUP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	2																			
P9GWE6	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GWE7	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GWE8	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GWE9	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GWF1	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GWF2	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GWF3	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GWF4	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GWF5	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GWF6	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GWF7	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			
P9GWF8	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			

The sampling activity displayed on this table represents the first 6 to 9 characters of the sample identification number.

The complete sample identification number will appear on the sample labels.

AT1: Analysis Suite #1

AT2: Analysis Suite #2

AT3: Analysis Suite #3

AT4: Analysis Suite #4

AT5: Analysis Suite #5

AT6: Analysis Suite #6

AT7: Cyanide (Total & Amenable)

AT8: Nitrate

AT9: PCBs

AT10: VOCs (TAL)

AT11:

AT12:

AT13:

AT14:

AT15:

AT16:

AT17:

AT18:

AT19:

AT20:

Comments:

Analysis Suite #1: Analytical activities conducted in support of this suite will be performed in accordance with WIPP protocol and will include WIPP required target analytes per WIPP methods. This will be specified in the laboratory contract.

Analysis Suite #2: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPjP. This will be specified in the laboratory contract.

Isotopic Plutonium includes Pu-238, Pu-239/240 and Pu-242. Isotopic Uranium includes U-233/234, U-235 and U-236.

VOC grab samples noted as being taken from 1.67 to 2.0 ft., will be taken from the deepest available position in cases where the core is less than 2 ft in length.

Analysis Suites:

Analysis Suite #1: Nitrate, PCBs, SVOCs (TAL), VOCs (TAL), Total Metals

Analysis Suite #2: Am-241, Np-237, Gamma Spec, Pu-Iso, U-Iso

Analysis Suite #3: Anions, Major Cations

Analysis Suite #4: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, SVOCs (TAL), VOCs (TAL)

Analysis Suite #5: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, VOCs (TAL), Total Metals

Analysis Suite #6: Am-241, Np-237, Pu-Iso, U-Iso, Total Metals

Contingencies:

Sampling and Analysis Plan Table for Chemical and Radiological Analysis

Plan Table Number PIT9GEMPROJE

DRAFT

SAP Number INEEL-EXT-02-00542

Date 09/29/2003 Plan Table Revision: 3.0 Project: OU 7-10 GLOVEBOX EXCAVATOR METHOD PROJECT Project Manager: SALOMON, H. SMO Contact: MCILWAIN, B. A.

Sample Description						Sample Location				Enter Analysis Types (AT) and Quantity Requested																				
Sampling Activity	Sample Type	Sample Matrix	Coll Type	Sampling Method	Planned Date	Area	Type of Location	Location	Depth (ft)	AT1	AT2	AT3	AT4	AT5	AT6	AT7	AT8	AT9	AT10	AT11	AT12	AT13	AT14	AT15	AT16	AT17	AT18	AT19	AT20
										3A	9A	1G	2G	5G	6G	CN	N1	PC	VA										
P9GWP9	REG	SOLID WASTE	COMP	GRAB	09/15/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	1																			

The sampling activity displayed on this table represents the first 6 to 9 characters of the sample identification number. The complete sample identification number will appear on the sample labels.

AT1: Analysis Suite #1
AT2: Analysis Suite #2
AT3: Analysis Suite #3
AT4: Analysis Suite #4
AT5: Analysis Suite #5
AT6: Analysis Suite #6
AT7: Cyanide (Total & Amenable)
AT8: Nitrate
AT9: PCBs
AT10: VOCs (TAL)
AT11:
AT12:
AT13:
AT14:
AT15:
AT16:
AT17:
AT18:
AT19:
AT20:

Comments:

Analysis Suite #1: Analytical activities conducted in support of this suite will be performed in accordance with WIPP protocol and will include WIPP required target analytes per WIPP methods. This will be specified in the laboratory contract.

Analysis Suite #2: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPjP. This will be specified in the laboratory contract.

Isotopic Plutonium includes Pu-238, Pu-239/240 and Pu-242. Isotopic Uranium includes U-233/234, U-235 and U-238.

VOC grab samples noted as being taken from 1.67 to 2.0 ft., will be taken from the deepest available position in cases where the core is less than 2 ft in length.

Analysis Suites:

Analysis Suite #1: Nitrate, PCBs, SVOCs (TAL), VOCs (TAL), Total Metals
Analysis Suite #2: Am-241, Np-237, Gamma Spec, Pu-Iso, U-Iso
Analysis Suite #3: Anions, Major Cations
Analysis Suite #4: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, SVOCs (TAL), VOCs (TAL)
Analysis Suite #5: Am-241, Anions, C-14, Tc-99, Total Strontium, Np-237, Pu-Iso, U-Iso, Iodine-129, VOCs (TAL), Total Metals
Analysis Suite #6: Am-241, Np-237, Pu-Iso, U-Iso, Total Metals

Contingencies