Appendix A

Sampling and Analysis Plan Tables

DRAFT

Plan Table Number: PW-LYS-OCT05

SAP Number: INEEL/EXT-2000-00714

Sampler: Strong, C. J.

Date: 09/27/2005 Plan Table Revision: 1 Project: OU7-13/14 RWMC VAD ZONE PER. H20 & LYS SAMPL, -1ST QTR 2006 Project Manager: JONES, RICHARD LEROY/LOPEZ, S. L. SMO Contact: CHAMBERS, L. S.

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
										AN	RH	RN	LM																
PWLB90	REG	VADOSE WATER	GRAB	LYS	10/24/2005	RWMC	LYSIMETER	W04:L04	15.4	1	1	1	1																
PWLB91	REG	VADOSE WATER	GRAB	LYS	10/24/2005	RWMC	LYSIMETER	W04:L04	6.2	1	1	1	1																
PWLB92	REG	VADOSE WATER	GRAB	LYS	10/24/2005	RWMC	LYSIMETER	W23:L07	18.8	1	1	1	1																
PWLB93	REG	VADOSE WATER	GRAB	LYS	10/24/2005	RWMC	LYSIMETER	W23:L08	11.8	1	1	1	1																
PWLB94	REG	VADOSE WATER	GRAB	LYS	10/24/2005	RWMC	LYSIMETER	W23:L09	7.7	1	1	1	1																
PWLB95	REG	VADOSE WATER	GRAB	LYS	10/24/2005	RWMC	LYSIMETER	W08:L12	22.1	1	1	1	1																
PWLB96	REG	VADOSE WATER	GRAB	LYS	10/24/2005	RWMC	LYSIMETER	W08:L13	11.3	1	1	1	1																
PWLB97	REG	VADOSE WATER	GRAB	LYS	10/24/2005	RWMC	LYSIMETER	W08:L14	6.2	1	1	1	1																
PWLB98	REG	VADOSE WATER	GRAB	LYS	10/24/2005	RWMC	LYSIMETER	PAO1:L15	14.3	1	1	1	1																
PWLB99	REG	VADOSE WATER	GRAB	LYS	10/24/2005	RWMC	LYSIMETER	PAO2:L16	8.7	1	1	1	1																
PWLC00	REG	VADOSE WATER	GRAB	LYS	10/24/2005	RWMC	LYSIMETER	W09:L23	14.8	1	1	1	1																
PWLC01	REG	VADOSE WATER	GRAB	LYS	10/24/2005	RWMC	LYSIMETER	W05:L24	15.9	1	1	1	1																
PWLC02	REG	VADOSE WATER	GRAB	LYS	10/24/2005	RWMC	LYSIMETER	W05:L25	10.0	1	1	1	1																
PWLC03	REG	VADOSE WATER	GRAB	LYS	10/24/2005	RWMC	LYSIMETER	W05:L26	6.7	1	1	1	1																
PWLC04	REG	VADOSE WATER	GRAB	LYS	10/24/2005	RWMC	LYSIMETER	W06:L27	11.8	1	1	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.

D - Double QC Volume T - Triple QC Volume

AT1: Anions
AT2: Radiochemistry - Suite 1
AT3: Radiochemistry - Suite 2
AT4: Total Metals (CLP TAL)
AT5:
AT6:
AT7:
AT8:
AT9:
AT10:
AT11:
AT12:
AT13:
AT14:
AT15:
AT16:
AT17:
AT18:
AT19:
AT20:

Comments:
The priority of analyses shall be Gamma/Tc-99, Uranium/Plutonium/Americium-241, C-14, Anions, Metals, Tritium, Chlorine-36, Iodine-129, and Neptunium-237.

Samples collected from TW1:DL04 shall carry the F039 listed waste code

Be aware of minimal sample volumes, DO NOT fill containers, just provide required volumes

RAD Suite 1, METALS, and ANALYSIS Suite 1 are acidified. RAD Suite 2 and ANALYSIS Suite 2 are not acidified.

Analysis Suites:
Radiochemistry - Suite 1: Cl-36, Am-241, Tc-99, Np-237, Gamma Spec, Pu-Iso, U-Iso
Radiochemistry - Suite 2: C-14, Tritium, Iodine-129

Contingencies:

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SAP Number: INEEL/EXT-2000-00714

Sampler: Strong, C. J.

Date: 09/27/2005 Plan Table Revision: 1 Project: OU7-13/14 RWMC VAD ZONE PER. H20 & LYS SAMPL, -1ST QTR 2006 Project Manager: JONES, RICHARD LEROY/LOPEZ, S. L. SMO Contact: CHAMBERS, L. S.

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 AN	AT2 RH	AT3 RN	AT4 LM	AT5	AT6	AT7	AT8	AT9	AT10	AT11	AT12	AT13	AT14	AT15	AT16	AT17	AT18	AT19	AT20
PWLC05	REG	VADOSE WATER	GRAB	LYS	10/24/2005	RWMC	LYSIMETER	W25:L28	15.5	1	1	1	1																
PWLC06	REG	VADOSE WATER	GRAB	LYS	10/24/2005	RWMC	LYSIMETER	W13:L29	14.0	1	1	1	1																
PWLC07	REG	VADOSE WATER	GRAB	LYS	10/24/2005	RWMC	LYSIMETER	W13:L30	6.7	1	1	1	1																
PWLC08	REG	VADOSE WATER	GRAB	LYS	10/24/2005	RWMC	LYSIMETER	W17:L31	19.6	1	1	1	1																
PWLC09	REG	VADOSE WATER	GRAB	LYS	10/24/2005	RWMC	LYSIMETER	W17:L32	10.9	1	1	1	1																
PWLC10	REG	VADOSE WATER	GRAB	LYS	10/24/2005	RWMC	LYSIMETER	PA03:L33	10.0	1	1	1	1																
PWLC11	REG	VADOSE WATER	GRAB	LYS	10/24/2005	RWMC	LYSIMETER	PA04:L34	27.0	1	1	1	1																
PWLC12	REG	VADOSE WATER	GRAB	LYS	10/24/2005	RWMC	LYSIMETER	98-1:L35	16.5	1	1	1	1																
PWLC13	REG	VADOSE WATER	GRAB	LYS	10/24/2005	RWMC	LYSIMETER	98-2:L36	9.0	1	1	1	1																
PWLC14	REG	VADOSE WATER	GRAB	LYS	10/24/2005	RWMC	LYSIMETER	98-3:L37	22.5	1	1	1	1																
PWLC15	REG	VADOSE WATER	GRAB	LYS	10/24/2005	RWMC	LYSIMETER	98-4:L38	17.0	1	1	1	1																
PWLC16	REG	VADOSE WATER	GRAB	LYS	10/24/2005	RWMC	LYSIMETER	98-5:L39	10.5	1	1	1	1																
PWLC17	REG	VADOSE WATER	GRAB	LYS	10/24/2005	RWMC	LYSIMETER	D06:DL01	88.0	1	1	1	1																
PWLC18	REG	VADOSE WATER	GRAB	LYS	10/24/2005	RWMC	LYSIMETER	D06:DL02	44.0	1	1	1	1																
PWLC19	REG	VADOSE WATER	GRAB	LYS	10/24/2005	RWMC	LYSIMETER	TW1:DL03	226.9	1	1	1	1																

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Radiochemistry - Suite 2: C-14, Tritium, Iodine-129

Contingencies: