Appendix A

Sampling and Analysis Plan Tables

Sampling and Analysis Plan Table for Chemical and Radiological Analysis

Plan Table Number: GROUP1-SOILS

DRAFT

SAP Number:

Date: 03/11/2003 Plan Table Revision: 2.0 Project: GROUP 1 (TSF-06, TSF-26) CHARACTERIZATION PROJECT Project Manager: BRUCE, J. E. SMO Contact: KIRCHNER, D. R.

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 R4	AT2 PC	AT3 RH	AT4 EL	AT5 TI	AT6 TA	AT7 TV	AT8 LM	AT9 VL	AT10	AT11	AT12	AT13	AT14	AT15	AT16	AT17	AT18	AT19	AT20
1RA401	REG/QC	SOIL	DUP			TAN	NATIVE SOIL #1	TSF-06, AREA B	0-0.5	1	2	2	2				2	2											
1RA402	REG	SOIL	COMP			TAN	NATIVE SOIL #2	TSF-06, AREA B	0-0.5	1	1	1	1				1	1											
1RA403	REG	SOIL	COMP			TAN	NATIVE SOIL #3	TSF-06, AREA B	0-0.5	1	1	1	1				1	1											
1RA404	REG	SOIL	COMP			TAN	NATIVE SOIL #4	TSF-06, AREA B	0-0.5	1																			
1RA405	REG	SOIL	COMP			TAN	NATIVE SOIL #5	TSF-06, AREA B	0-0.5	1																			
1RA406	REG	SOIL	COMP			TAN	NATIVE SOIL #6	TSF-06, AREA B	0-0.5	1																			
1RA407	REG	SOIL	COMP			TAN	NATIVE SOIL #7	TSF-06, AREA B	0-0.5	1																			
1RA408	REG	SOIL	COMP			TAN	NATIVE SOIL #8	TSF-06, AREA B	0-0.5	1																			
1RA409	REG	SOIL	COMP			TAN	NATIVE SOIL #9	TSF-06, AREA B	0-0.5	1																			
1RA410	REG	SOIL	COMP			TAN	NATIVE SOIL #10	TSF-06, AREA B	0-0.5	1																			
1RA411	REG	SOIL	COMP			TAN	NATIVE SOIL #11	TSF-06, AREA B	0-0.5	1																			
1RA412	REG	SOIL	COMP			TAN	NATIVE SOIL #12	TSF-06, AREA B	0-0.5	1																			
1RA413	REG	SOIL	COMP			TAN	NATIVE SOIL #13	TSF-06, AREA B	0-0.5	1																			
1RA414	REG	SOIL	COMP			TAN	NATIVE SOIL #14	TSF-06, AREA B	0-0.5	1																			
1RA415	REG	SOIL	COMP			TAN	NATIVE SOIL #15	TSF-06, AREA B	0-0.5	1																			

The sampling activity displayed on this table represents the first six characters of the sample identification number. The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

AT1: Gamma Spec
AT2: PCBs
AT3: Radiochemistry - Suite 1
AT4: SVOCs (CLP TAL)
AT5: TCLP Metals
AT6: TCLP SVOCs
AT7: TCLP VOCs
AT8: Total Metals (CLP TAL)
AT9: VOCs (CLP TAL)
AT10:
AT11:
AT12:
AT13:
AT14:
AT15:
AT16:
AT17:
AT18:
AT19:
AT20:

Comments:

TSF-06 Feedlines #1 - #6: The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA493 - 1RA498)

TSF-26 Feedlines #1 - #6: The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA649 - 1RA654)

TSF-26 Tanks #1 and #2 Bedding Material Bottom Interval - The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA734 and 1RA735)

Equipment Rinsate - The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activity 1RA542)

Analysis Suites:

Radiochemistry - Suite 1: Sr-89, Gross Alpha, Gross Beta, Sr-90

Contingencies:

Sampling and Analysis Plan Table for Chemical and Radiological Analysis

Plan Table Number: GROUP1-SOILS

DRAFT

SAP Number:

Date: 03/11/2003 Plan Table Revision: 2.0 Project: GROUP 1 (TSF-06, TSF-26) CHARACTERIZATION PROJECT Project Manager: BRUCE, J. E. SMO Contact: KIRCHNER, D. R.

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 R4	AT2 PC	AT3 RH	AT4 EL	AT5 TI	AT6 TA	AT7 TV	AT8 LM	AT9 VL	AT10	AT11	AT12	AT13	AT14	AT15	AT16	AT17	AT18	AT19	AT20
1RA416	REG	SOIL	COMP			TAN	NATIVE SOIL #16	TSF-06, AREA B	0-0.5	1																			
1RA417	REG	SOIL	COMP			TAN	NATIVE SOIL #17	TSF-06, AREA B	0-0.5	1																			
1RA418	REG	SOIL	COMP			TAN	NATIVE SOIL #18	TSF-06, AREA B	0-0.5	1																			
1RA419	REG	SOIL	COMP			TAN	NATIVE SOIL #19	TSF-06, AREA B	0-0.5	1																			
1RA420	REG	SOIL	COMP			TAN	NATIVE SOIL #20	TSF-06, AREA B	0-0.5	1																			
1RA421	REG	SOIL	COMP			TAN	NATIVE SOIL #1	TSF-06, AREA B	0.5-1	1																			
1RA422	REG	SOIL	COMP			TAN	NATIVE SOIL #2	TSF-06, AREA B	0.5-1	1	1	1	1				1	1											
1RA423	REG	SOIL	COMP			TAN	NATIVE SOIL #3	TSF-06, AREA B	0.5-1	1	1	1	1				1	1											
1RA424	REG	SOIL	COMP			TAN	NATIVE SOIL #4	TSF-06, AREA B	0.5-1	1	1	1	1				1	1											
1RA425	REG	SOIL	COMP			TAN	NATIVE SOIL #5	TSF-06, AREA B	0.5-1	1																			
1RA426	REG	SOIL	COMP			TAN	NATIVE SOIL #6	TSF-06, AREA B	0.5-1	1																			
1RA427	REG	SOIL	COMP			TAN	NATIVE SOIL #7	TSF-06, AREA B	0.5-1	1																			
1RA428	REG	SOIL	COMP			TAN	NATIVE SOIL #8	TSF-06, AREA B	0.5-1	1																			
1RA429	REG	SOIL	COMP			TAN	NATIVE SOIL #9	TSF-06, AREA B	0.5-1	1																			
1RA430	REG	SOIL	COMP			TAN	NATIVE SOIL #10	TSF-06, AREA B	0.5-1	1																			

The sampling activity displayed on this table represents the first six characters of the sample identification number. The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

AT1: Gamma Spec
AT2: PCBs
AT3: Radiochemistry - Suite 1
AT4: SVOCs (CLP TAL)
AT5: TCLP Metals
AT6: TCLP SVOCs
AT7: TCLP VOCs
AT8: Total Metals (CLP TAL)
AT9: VOCs (CLP TAL)
AT10:
AT11:
AT12:
AT13:
AT14:
AT15:
AT16:
AT17:
AT18:
AT19:
AT20:

Comments:

TSF-06 Feedlines #1 - #6: The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA493 - 1RA498)

TSF-26 Feedlines #1 - #6: The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA649 - 1RA654)

TSF-26 Tanks #1 and #2 Bedding Material Bottom Interval - The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA734 and 1RA735)

Equipment Rinsate - The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activity 1RA542)

Analysis Suites:

Radiochemistry - Suite 1: Sr-89, Gross Alpha, Gross Beta, Sr-90

Contingencies:

Plan Table Number: GROUP1-SOILS

SAP Number:

DRAFT

Date: 03/11/2003 Plan Table Revision: 2.0 Project: GROUP 1 (TSF-06, TSF-26) CHARACTERIZATION PROJECT Project Manager: BRUCE, J. E. SMO Contact: KIRCHNER, D. R.

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
										R4	PC	RH	EL	TI	TA	TV	LM	VL											
1RA431	REG	SOIL	COMP			TAN	NATIVE SOIL #11	TSF-06, AREA B	0.5-1	1																			
1RA432	REG	SOIL	COMP			TAN	NATIVE SOIL #12	TSF-06, AREA B	0.5-1	1																			
1RA433	REG	SOIL	COMP			TAN	NATIVE SOIL #13	TSF-06, AREA B	0.5-1	1																			
1RA434	REG	SOIL	COMP			TAN	NATIVE SOIL #14	TSF-06, AREA B	0.5-1	1																			
1RA435	REG	SOIL	COMP			TAN	NATIVE SOIL #15	TSF-06, AREA B	0.5-1	1																			
1RA436	REG	SOIL	COMP			TAN	NATIVE SOIL #16	TSF-06, AREA B	0.5-1	1																			
1RA437	REG	SOIL	COMP			TAN	NATIVE SOIL #17	TSF-06, AREA B	0.5-1	1																			
1RA438	REG	SOIL	COMP			TAN	NATIVE SOIL #18	TSF-06, AREA B	0.5-1	1																			
1RA439	REG	SOIL	COMP			TAN	NATIVE SOIL #19	TSF-06, AREA B	0.5-1	1																			
1RA440	REG	SOIL	COMP			TAN	NATIVE SOIL #20	TSF-06, AREA B	0.5-1	1																			
1RA441	REG	SOIL	COMP			TAN	NATIVE SOIL #1	TSF-06, AREA B	1-1.5	1																			
1RA442	REG	SOIL	COMP			TAN	NATIVE SOIL #2	TSF-06, AREA B	1-1.5	1	1	1	1				1	1											
1RA443	REG	SOIL	COMP			TAN	NATIVE SOIL #3	TSF-06, AREA B	1-1.5	1	1	1	1				1	1											
1RA444	REG	SOIL	COMP			TAN	NATIVE SOIL #4	TSF-06, AREA B	1-1.5	1	1	1	1				1	1											
1RA445	REG	SOIL	COMP			TAN	NATIVE SOIL #5	TSF-06, AREA B	1-1.5	1	1	1	1				1	1											

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

The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

AT1: Gamma Spec
AT2: PCBs
AT3: Radiochemistry - Suite 1
AT4: SVOCs (CLP TAL)
AT5: TCLP Metals
AT6: TCLP SVOCs
AT7: TCLP VOCs
AT8: Total Metals (CLP TAL)
AT9: VOCs (CLP TAL)
AT10:
AT11:
AT12:
AT13:
AT14:
AT15:
AT16:
AT17:
AT18:
AT19:
AT20:

Comments:

TSF-06 Feedlines #1 - #6: The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA493 - 1RA498)

TSF-26 Feedlines #1 - #6: The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA649 - 1RA654)

TSF-26 Tanks #1 and #2 Bedding Material Bottom Interval - The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA734 and 1RA735)

Equipment Rinsate - The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activity 1RA542)

Analysis Suites:

Radiochemistry - Suite 1: Sr-89, Gross Alpha, Gross Beta, Sr-90

Contingencies:

Sampling and Analysis Plan Table for Chemical and Radiological Analysis

Plan Table Number: GROUP1-SOILS

DRAFT

SAP Number:

Date: 03/11/2003 Plan Table Revision: 2.0 Project: GROUP 1 (TSF-06, TSF-26) CHARACTERIZATION PROJECT Project Manager: BRUCE, J. E. SMO Contact: KIRCHNER, D. R.

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
										R4	PC	RH	EL	TI	TA	TV	LM	VL											
1RA446	REG	SOIL	COMP			TAN	NATIVE SOIL #6	TSF-06, AREA B	1-1.5	1																			
1RA447	REG	SOIL	COMP			TAN	NATIVE SOIL #7	TSF-06, AREA B	1-1.5	1																			
1RA448	REG	SOIL	COMP			TAN	NATIVE SOIL #8	TSF-06, AREA B	1-1.5	1																			
1RA449	REG	SOIL	COMP			TAN	NATIVE SOIL #9	TSF-06, AREA B	1-1.5	1																			
1RA450	REG	SOIL	COMP			TAN	NATIVE SOIL #10	TSF-06, AREA B	1-1.5	1																			
1RA451	REG	SOIL	COMP			TAN	NATIVE SOIL #11	TSF-06, AREA B	1-1.5	1																			
1RA452	REG	SOIL	COMP			TAN	NATIVE SOIL #12	TSF-06, AREA B	1-1.5	1																			
1RA453	REG	SOIL	COMP			TAN	NATIVE SOIL #13	TSF-06, AREA B	1-1.5	1																			
1RA454	REG	SOIL	COMP			TAN	NATIVE SOIL #14	TSF-06, AREA B	1-1.5	1																			
1RA455	REG	SOIL	COMP			TAN	NATIVE SOIL #15	TSF-06, AREA B	1-1.5	1																			
1RA456	REG	SOIL	COMP			TAN	NATIVE SOIL #16	TSF-06, AREA B	1-1.5	1																			
1RA457	REG	SOIL	COMP			TAN	NATIVE SOIL #17	TSF-06, AREA B	1-1.5	1																			
1RA458	REG	SOIL	COMP			TAN	NATIVE SOIL #18	TSF-06, AREA B	1-1.5	1																			
1RA459	REG	SOIL	COMP			TAN	NATIVE SOIL #19	TSF-06, AREA B	1-1.5	1																			
1RA460	REG	SOIL	COMP			TAN	NATIVE SOIL #20	TSF-06, AREA B	1-1.5	1																			

The sampling activity displayed on this table represents the first six characters of the sample identification number. The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

AT1: Gamma Spec
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AT5: TCLP Metals
AT6: TCLP SVOCs
AT7: TCLP VOCs
AT8: Total Metals (CLP TAL)
AT9: VOCs (CLP TAL)
AT10:
AT11:
AT12:
AT13:
AT14:
AT15:
AT16:
AT17:
AT18:
AT19:
AT20:

Comments:

TSF-06 Feedlines #1 - #6: The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activites 1RA493 - 1RA495)

TSF-26 Feedlines #1 - #6: The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA649 - 1RA654)

TSF-26 Tanks #1 and #2 Bedding Material Bottom Interval - The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA734 and 1RA735)

Equipment Rinsate - The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activity 1RA542)

Analysis Suites:

Radiochemistry - Suite 1: Sr-89, Gross Alpha, Gross Beta, Sr-90

Contingencies:

Sampling and Analysis Plan Table for Chemical and Radiological Analysis

Plan Table Number: GROUP1-SOILS

DRAFT

SAP Number:

Date: 03/11/2003 Plan Table Revision: 2.0 Project: GROUP 1 (TSF-06, TSF-26) CHARACTERIZATION PROJECT Project Manager: BRUCE, J. E. SMO Contact: KIRCHNER, D. R.

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 R4	AT2 PC	AT3 RH	AT4 EL	AT5 TI	AT6 TA	AT7 TV	AT8 LM	AT9 VL	AT10	AT11	AT12	AT13	AT14	AT15	AT16	AT17	AT18	AT19	AT20
1RA461	QC	WATER	FBLK			TAN	FIELD BLANK	QC	NA	1		1																	
1RA462	REG	SOIL	COMP			TAN	DITCH #1	TSF-06, AREA B	0-1	1																			
1RA463	REG	SOIL	COMP			TAN	DITCH #2	TSF-06, AREA B	0-1	1	1	1	1				1	1											
1RA464	REG	SOIL	COMP			TAN	DITCH #3	TSF-06, AREA B	0-1	1	1	1	1				1	1											
1RA465	REG	SOIL	COMP			TAN	DITCH #4	TSF-06, AREA B	0-1	1																			
1RA466	REG	SOIL	COMP			TAN	DITCH #5	TSF-06, AREA B	0-1	1																			
1RA467	REG	SOIL	COMP			TAN	DITCH #6	TSF-06, AREA B	0-1	1																			
1RA468	REG	SOIL	COMP			TAN	DITCH #1	TSF-06, AREA B	1-2	1	1	1	1				1	1											
1RA469	REG/QC	SOIL	DUP			TAN	DITCH #2	TSF-06, AREA B	1-2	1	2	2	2				2	2											
1RA470	REG	SOIL	COMP			TAN	DITCH #3	TSF-06, AREA B	1-2	1																			
1RA471	REG	SOIL	COMP			TAN	DITCH #4	TSF-06, AREA B	1-2	1																			
1RA472	REG	SOIL	COMP			TAN	DITCH #5	TSF-06, AREA B	1-2	1																			
1RA473	REG	SOIL	COMP			TAN	DITCH #6	TSF-06, AREA B	1-2	1																			
1RA474	REG	SOIL	COMP			TAN	DITCH #1	TSF-06, AREA B	2-3	1	1	1	1				1	1											
1RA475	REG	SOIL	COMP			TAN	DITCH #2	TSF-06, AREA B	2-3	1	1	1	1				1	1											

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AT1: Gamma Spec
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AT5: TCLP Metals
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AT9: VOCs (CLP TAL)
AT10:
AT11:
AT12:
AT13:
AT14:
AT15:
AT16:
AT17:
AT18:
AT19:
AT20:

Comments:

TSF-06 Feedlines #1 - #6: The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA493 - 1RA498)

TSF-26 Feedlines #1 - #6: The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA649 - 1RA654)

TSF-26 Tanks #1 and #2 Bedding Material Bottom Interval - The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA734 and 1RA735)

Equipment Rinsate - The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activity 1RA542)

Analysis Suites:

Radiochemistry - Suite 1: Sr-89, Gross Alpha, Gross Beta, Sr-90

Contingencies:

Sampling and Analysis Plan Table for Chemical and Radiological Analysis

Plan Table Number: GROUP1-SOILS

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Date: 03/11/2003 Plan Table Revision: 2.0 Project: GROUP 1 (TSF-06, TSF-26) CHARACTERIZATION PROJECT Project Manager: BRUCE, J. E. SMO Contact: KIRCHNER, D. R.

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 R4	AT2 PC	AT3 RH	AT4 EL	AT5 TI	AT6 TA	AT7 TV	AT8 LM	AT9 VL	AT10	AT11	AT12	AT13	AT14	AT15	AT16	AT17	AT18	AT19	AT20
1RA476	REG	SOIL	COMP			TAN	DITCH #3	TSF-06, AREA B	2-3	1																			
1RA477	REG	SOIL	COMP			TAN	DITCH #4	TSF-06, AREA B	2-3	1																			
1RA478	REG	SOIL	COMP			TAN	DITCH #5	TSF-06, AREA B	2-3	1																			
1RA479	REG	SOIL	COMP			TAN	DITCH #6	TSF-06, AREA B	2-3	1																			
1RA480	REG	SOIL	COMP			TAN	DITCH #1	TSF-06, AREA B	3-4	1	1	1	1				1	1											
1RA481	REG	SOIL	COMP			TAN	DITCH #2	TSF-06, AREA B	3-4	1	1	1	1				1	1											
1RA482	REG	SOIL	COMP			TAN	DITCH #3	TSF-06, AREA B	3-4	1																			
1RA483	REG	SOIL	COMP			TAN	DITCH #4	TSF-06, AREA B	3-4	1																			
1RA484	REG	SOIL	COMP			TAN	DITCH #5	TSF-06, AREA B	3-4	1																			
1RA485	REG	SOIL	COMP			TAN	DITCH #6	TSF-06, AREA B	3-4	1																			
1RA486	REG	SOIL	COMP			TAN	DITCH STEPOUT#1	TSF-06, AREA B	TBD	1																			
1RA487	REG	SOIL	COMP			TAN	DITCH STEPOUT#2	TSF-06, AREA B	TBD	1																			
1RA488	REG	SOIL	COMP			TAN	DITCH STEPOUT#3	TSF-06, AREA B	TBD	1																			
1RA489	REG	SOIL	COMP			TAN	DITCH STEPOUT#4	TSF-06, AREA B	TBD	1																			
1RA490	REG	SOIL	COMP			TAN	DITCH STEPOUT#5	TSF-06, AREA B	TBD	1																			

The sampling activity displayed on this table represents the first six characters of the sample identification number. The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

AT1: Gamma Spec
AT2: PCBs
AT3: Radiochemistry - Suite 1
AT4: SVOCs (CLP TAL)
AT5: TCLP Metals
AT6: TCLP SVOCs
AT7: TCLP VOCs
AT8: Total Metals (CLP TAL)
AT9: VOCs (CLP TAL)
AT10:
AT11:
AT12:
AT13:
AT14:
AT15:
AT16:
AT17:
AT18:
AT19:
AT20:

Comments:

TSF-06 Feedlines #1 - #6: The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA493 - 1RA498)

TSF-26 Feedlines #1 - #6: The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA649 - 1RA654)

TSF-26 Tanks #1 and #2 Bedding Material Bottom Interval - The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA734 and 1RA735)

Equipment Rinsate - The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activity 1RA542)

Analysis Suites:

Radiochemistry - Suite 1: Sr-89, Gross Alpha, Gross Beta, Sr-90

Contingencies:

Plan Table Number: GROUP1-SOILS

SAP Number:

DRAFT

Date: 03/11/2003 Plan Table Revision: 2.0 Project: GROUP 1 (TSF-06, TSF-26) CHARACTERIZATION PROJECT Project Manager: BRUCE, J. E. SMO Contact: KIRCHNER, D. R.

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 R4	AT2 PC	AT3 RH	AT4 EL	AT5 TI	AT6 TA	AT7 TV	AT8 LM	AT9 VL	AT10	AT11	AT12	AT13	AT14	AT15	AT16	AT17	AT18	AT19	AT20
1RA491	REG	SOIL	COMP			TAN	DITCH STEPOUT#6	TSF-06, AREA B	TBD	1																			
1RA492	QC	WATER	FBLK			TAN	FIELD BLANK	QC	NA	1		1																	
1RA493	REG/QC	SOIL	DUP			TAN	FEED LINES #1	TSF-06, AREA B	TBD	2	2	2	2				2	2											
1RA494	REG	SOIL	COMP			TAN	FEED LINES #2	TSF-06, AREA B	TBD	2	1	1	1				1	1											
1RA495	REG	SOIL	COMP			TAN	FEED LINES #3	TSF-06, AREA B	TBD	2	1	1	1				1	1											
1RA496	REG	SOIL	COMP			TAN	FEED LINES #4	TSF-06, AREA B	TBD	2	1	1	1				1	1											
1RA497	REG	SOIL	COMP			TAN	FEED LINES #5	TSF-06, AREA B	TBD	2	1	1	1				1	1											
1RA498	REG	SOIL	COMP			TAN	FEED LINES #6	TSF-06, AREA B	TBD	2	1	1	1				1	1											
1RA499	REG	WATER	COMP			TAN	FIELD BLANK	QC	NA	1		1																	
1RA500	REG	SOIL	COMP			TAN	NORTH SHLDR #1	TSF-06, AREA B	0-2	1																			
1RA501	REG/QC	SOIL	DUP			TAN	NORTH SHLDR #2	TSF-06, AREA B	0-2	1	2	2	2				2	2											
1RA502	REG	SOIL	COMP			TAN	NORTH SHLDR #3	TSF-06, AREA B	0-2	1	1	1	1				1	1											
1RA503	REG	SOIL	COMP			TAN	NORTH SHLDR #4	TSF-06, AREA B	0-2	1																			
1RA504	REG	SOIL	COMP			TAN	NORTH SHLDR #5	TSF-06, AREA B	0-2	1																			
1RA505	REG	SOIL	COMP			TAN	NORTH SHLDR #6	TSF-06, AREA B	0-2	1																			

The sampling activity displayed on this table represents the first six characters of the sample identification number. The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

AT1: Gamma Spec
AT2: PCBs
AT3: Radiochemistry - Suite 1
AT4: SVOCs (CLP TAL)
AT5: TCLP Metals
AT6: TCLP SVOCs
AT7: TCLP VOCs
AT8: Total Metals (CLP TAL)
AT9: VOCs (CLP TAL)
AT10:
AT11:
AT12:
AT13:
AT14:
AT15:
AT16:
AT17:
AT18:
AT19:
AT20:

Comments:

TSF-06 Feedlines #1 - #6: The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA493 - 1RA498)

TSF-26 Feedlines #1 - #6: The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA649 - 1RA654)

TSF-26 Tanks #1 and #2 Bedding Material Bottom Interval - The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA734 and 1RA735)

Equipment Rinsate - The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activity 1RA542)

Analysis Suites:

Radiochemistry - Suite 1: Sr-89, Gross Alpha, Gross Beta, Sr-90

Contingencies:

Plan Table Number: GROUP1-SOILS

SAP Number:

DRAFT

Date: 03/11/2003 Plan Table Revision: 2.0 Project: GROUP 1 (TSF-06, TSF-26) CHARACTERIZATION PROJECT Project Manager: BRUCE, J. E. SMO Contact: KIRCHNER, D. R.

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 R4	AT2 PC	AT3 RH	AT4 EL	AT5 TI	AT6 TA	AT7 TV	AT8 LM	AT9 VL	AT10	AT11	AT12	AT13	AT14	AT15	AT16	AT17	AT18	AT19	AT20
1RA506	REG	SOIL	COMP			TAN	NORTH SHLDR #7	TSF-06, AREA B	0-2	1																			
1RA507	REG	SOIL	COMP			TAN	NORTH SHLDR #8	TSF-06, AREA B	0-2	1																			
1RA508	REG	SOIL	COMP			TAN	NORTH SHLDR #9	TSF-06, AREA B	0-2	1																			
1RA509	REG	SOIL	COMP			TAN	NORTH SHLDR #10	TSF-06, AREA B	0-2	1																			
1RA510	QC	WATER	FBLK			TAN	FIELD BLANK	QC	NA	1		1																	
1RA511	REG	SOIL	COMP			TAN	ROADBED #1	TSF-06, AREA B	0-2	1																			
1RA512	REG	SOIL	COMP			TAN	ROADBED #2	TSF-06, AREA B	0-2	1	1	1	1				1	1											
1RA513	REG	SOIL	COMP			TAN	ROADBED #3	TSF-06, AREA B	0-2	1	1	1	1				1	1											
1RA514	REG	SOIL	COMP			TAN	ROADBED #4	TSF-06, AREA B	0-2	1	1	1	1				1	1											
1RA515	REG	SOIL	COMP			TAN	ROADBED #5	TSF-06, AREA B	0-2	1																			
1RA516	REG	SOIL	COMP			TAN	ROADBED #6	TSF-06, AREA B	0-2	1																			
1RA517	REG	SOIL	COMP			TAN	ROADBED #7	TSF-06, AREA B	0-2	1																			
1RA518	REG	SOIL	COMP			TAN	ROADBED #8	TSF-06, AREA B	0-2	1																			
1RA519	REG	SOIL	COMP			TAN	ROADBED #9	TSF-06, AREA B	0-2	1																			
1RA520	REG	SOIL	COMP			TAN	ROADBED #10	TSF-06, AREA B	0-2	1																			

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AT1: Gamma Spec
AT2: PCBs
AT3: Radiochemistry - Suite 1
AT4: SVOCs (CLP TAL)
AT5: TCLP Metals
AT6: TCLP SVOCs
AT7: TCLP VOCs
AT8: Total Metals (CLP TAL)
AT9: VOCs (CLP TAL)
AT10:
AT11:
AT12:
AT13:
AT14:
AT15:
AT16:
AT17:
AT18:
AT19:
AT20:

Comments:

TSF-06 Feedlines #1 - #6: The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA493 - 1RA498)

TSF-26 Feedlines #1 - #6: The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA649 - 1RA654)

TSF-26 Tanks #1 and #2 Bedding Material Bottom Interval - The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA734 and 1RA735)

Equipment Rinsate - The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activity 1RA542)

Analysis Suites:

Radiochemistry - Suite 1: Sr-89, Gross Alpha, Gross Beta, Sr-90

Contingencies:

Sampling and Analysis Plan Table for Chemical and Radiological Analysis

Plan Table Number: GROUP1-SOILS

DRAFT

SAP Number:

Date: 03/11/2003 Plan Table Revision: 2.0 Project: GROUP 1 (TSF-06, TSF-26) CHARACTERIZATION PROJECT Project Manager: BRUCE, J. E. SMO Contact: KIRCHNER, D. R.

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 R4	AT2 PC	AT3 RH	AT4 EL	AT5 TI	AT6 TA	AT7 TV	AT8 LM	AT9 VL	AT10	AT11	AT12	AT13	AT14	AT15	AT16	AT17	AT18	AT19	AT20
1RA521	REG	SOIL	COMP			TAN	ROADBED #1	TSF-06, AREA B	2-4	1	1	1	1				1	1											
1RA522	REG/QC	SOIL	DUP			TAN	ROADBED #2	TSF-06, AREA B	2-4	1	2	2	2				2	2											
1RA523	REG	SOIL	COMP			TAN	ROADBED #3	TSF-06, AREA B	2-4	1																			
1RA524	REG	SOIL	COMP			TAN	ROADBED #4	TSF-06, AREA B	2-4	1																			
1RA525	REG	SOIL	COMP			TAN	ROADBED #5	TSF-06, AREA B	2-4	1																			
1RA526	REG	SOIL	COMP			TAN	ROADBED #6	TSF-06, AREA B	2-4	1																			
1RA527	REG	SOIL	COMP			TAN	ROADBED #7	TSF-06, AREA B	2-4	1																			
1RA528	REG	SOIL	COMP			TAN	ROADBED #8	TSF-06, AREA B	2-4	1																			
1RA529	REG	SOIL	COMP			TAN	ROADBED #9	TSF-06, AREA B	2-4	1																			
1RA530	REG	SOIL	COMP			TAN	ROADBED #10	TSF-06, AREA B	2-4	1																			
1RA531	QC	WATER	FBLK			TAN	FIELD BLANK	QC	NA	1		1																	
1RA532	REG	ASPHALT	COMP			TAN	ASPHALT #1	TSF-06, AREA B	PLUG	1	1	1																	
1RA533	REG	ASPHALT	COMP			TAN	ASPHALT #2	TSF-06, AREA B	PLUG	1	1	1																	
1RA534	REG	ASPHALT	COMP			TAN	ASPHALT #3	TSF-06, AREA B	PLUG	1	1	1																	
1RA535	REG	ASPHALT	COMP			TAN	ASPHALT #4	TSF-06, AREA B	PLUG	1	1	1																	

The sampling activity displayed on this table represents the first six characters of the sample identification number. The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

AT1: Gamma Spec
AT2: PCBs
AT3: Radiochemistry - Suite 1
AT4: SVOCs (CLP TAL)
AT5: TCLP Metals
AT6: TCLP SVOCs
AT7: TCLP VOCs
AT8: Total Metals (CLP TAL)
AT9: VOCs (CLP TAL)
AT10:
AT11:
AT12:
AT13:
AT14:
AT15:
AT16:
AT17:
AT18:
AT19:
AT20:

Comments:

TSF-06 Feedlines #1 - #6: The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA493 - 1RA496)

TSF-26 Feedlines #1 - #6: The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA649 - 1RA654)

TSF-26 Tanks #1 and #2 Bedding Material Bottom Interval - The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA734 and 1RA735)

Equipment Rinsate - The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activity 1RA542)

Analysis Suites:

Radiochemistry - Suite 1: Sr-89, Gross Alpha, Gross Beta, Sr-90

Contingencies:

Sampling and Analysis Plan Table for Chemical and Radiological Analysis

Plan Table Number: GROUP1-SOILS

DRAFT

SAP Number:

Date: 03/11/2003 Plan Table Revision: 2.0 Project: GROUP 1 (TSF-06, TSF-26) CHARACTERIZATION PROJECT Project Manager: BRUCE, J. E. SMO Contact: KIRCHNER, D. R.

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 R4	AT2 PC	AT3 RH	AT4 EL	AT5 TI	AT6 TA	AT7 TV	AT8 LM	AT9 VL	AT10	AT11	AT12	AT13	AT14	AT15	AT16	AT17	AT18	AT19	AT20
1RA536	REG	ASPHALT	COMP			TAN	ASPHALT #5	TSF-06, AREA B	PLUG	1	1	1																	
1RA537	REG	ASPHALT	COMP			TAN	ASPHALT #6	TSF-06, AREA B	PLUG	1																			
1RA538	REG	ASPHALT	COMP			TAN	ASPHALT #7	TSF-06, AREA B	PLUG	1																			
1RA539	REG	ASPHALT	COMP			TAN	ASPHALT #8	TSF-06, AREA B	PLUG	1																			
1RA540	REG	ASPHALT	COMP			TAN	ASPHALT #9	TSF-06, AREA B	PLUG	1																			
1RA541	REG	ASPHALT	COMP			TAN	ASPHALT #10	TSF-06, AREA B	PLUG	1																			
1RA542	QC	WATER	RNST			TAN	EQUIP RINSATE	QC	NA	2	1	1	1				1	1											
1RA543	REG	SOIL	COMP			TAN	NATIVE SOIL #1	TSF-26	0-0.5	1																			
1RA544	REG	SOIL	COMP			TAN	NATIVE SOIL #2	TSF-26	0-0.5	1	1	1	1				1	1											
1RA545	REG	SOIL	COMP			TAN	NATIVE SOIL #3	TSF-26	0-0.5	1	1	1	1				1	1											
1RA546	REG	SOIL	COMP			TAN	NATIVE SOIL #4	TSF-26	0-0.5	1	1	1	1				1	1											
1RA547	REG	SOIL	COMP			TAN	NATIVE SOIL #5	TSF-26	0-0.5	1																			
1RA548	REG	SOIL	COMP			TAN	NATIVE SOIL #6	TSF-26	0-0.5	1																			
1RA549	REG	SOIL	COMP			TAN	NATIVE SOIL #7	TSF-26	0-0.5	1																			
1RA550	REG	SOIL	COMP			TAN	NATIVE SOIL #8	TSF-26	0-0.5	1																			

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AT1: Gamma Spec
AT2: PCBs
AT3: Radiochemistry - Suite 1
AT4: SVOCs (CLP TAL)
AT5: TCLP Metals
AT6: TCLP SVOCs
AT7: TCLP VOCs
AT8: Total Metals (CLP TAL)
AT9: VOCs (CLP TAL)
AT10:
AT11:
AT12:
AT13:
AT14:
AT15:
AT16:
AT17:
AT18:
AT19:
AT20:

Comments:

TSF-06 Feedlines #1 - #6: The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA493 - 1RA498)

TSF-26 Feedlines #1 - #6: The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA649 - 1RA654)

TSF-26 Tanks #1 and #2 Bedding Material Bottom Interval - The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA734 and 1RA735)

Equipment Rinsate - The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activity 1RA542)

Analysis Suites:

Radiochemistry - Suite 1: Sr-89, Gross Alpha, Gross Beta, Sr-90

Contingencies:

Plan Table Number: GROUP1-SOILS

SAP Number:

DRAFT

Date: 03/11/2003 Plan Table Revision: 2.0 Project: GROUP 1 (TSF-06, TSF-26) CHARACTERIZATION PROJECT Project Manager: BRUCE, J. E. SMO Contact: KIRCHNER, D. R.

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
										R4	PC	RH	EL	TI	TA	TV	LM	VL											
1RA551	REG	SOIL	COMP			TAN	NATIVE SOIL #9	TSF-26	0-0.5	1																			
1RA552	REG	SOIL	COMP			TAN	NATIVE SOIL #10	TSF-26	0-0.5	1																			
1RA553	REG	SOIL	COMP			TAN	NATIVE SOIL #11	TSF-26	0-0.5	1																			
1RA554	REG	SOIL	COMP			TAN	NATIVE SOIL #12	TSF-26	0-0.5	1																			
1RA555	REG	SOIL	COMP			TAN	NATIVE SOIL #13	TSF-26	0-0.5	1																			
1RA556	REG	SOIL	COMP			TAN	NATIVE SOIL #14	TSF-26	0-0.5	1																			
1RA557	REG	SOIL	COMP			TAN	NATIVE SOIL #15	TSF-26	0-0.5	1																			
1RA558	REG	SOIL	COMP			TAN	NATIVE SOIL #16	TSF-26	0-0.5	1																			
1RA559	REG	SOIL	COMP			TAN	NATIVE SOIL #17	TSF-26	0-0.5	1																			
1RA560	REG	SOIL	COMP			TAN	NATIVE SOIL #18	TSF-26	0-0.5	1																			
1RA561	REG	SOIL	COMP			TAN	NATIVE SOIL #19	TSF-26	0-0.5	1																			
1RA562	REG	SOIL	COMP			TAN	NATIVE SOIL #20	TSF-26	0-0.5	1																			
1RA563	REG	SOIL	COMP			TAN	NATIVE SOIL #21	TSF-26	0-0.5	1																			
1RA564	REG	SOIL	COMP			TAN	NATIVE SOIL #22	TSF-26	0-0.5	1																			
1RA565	REG	SOIL	COMP			TAN	NATIVE SOIL #23	TSF-26	0-0.5	1																			

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AT1: Gamma Spec
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AT5: TCLP Metals
AT6: TCLP SVOCs
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AT8: Total Metals (CLP TAL)
AT9: VOCs (CLP TAL)
AT10:
AT11:
AT12:
AT13:
AT14:
AT15:
AT16:
AT17:
AT18:
AT19:
AT20:

Comments:

TSF-06 Feedlines #1 - #6: The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA493 - 1RA498)

TSF-26 Feedlines #1 - #6: The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA649 - 1RA654)

TSF-26 Tanks #1 and #2 Bedding Material Bottom Interval - The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA734 and 1RA735)

Equipment Rinsate - The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activity 1RA542)

Analysis Suites:

Radiochemistry - Suite 1: Sr-89, Gross Alpha, Gross Beta, Sr-90

Contingencies:

Plan Table Number: GROUP1-SOILS

DRAFT

SAP Number:

Date: 03/11/2003 Plan Table Revision: 2.0 Project: GROUP 1 (TSF-06, TSF-26) CHARACTERIZATION PROJECT Project Manager: BRUCE, J. E. SMO Contact: KIRCHNER, D. R.

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 R4	AT2 PC	AT3 RH	AT4 EL	AT5 TI	AT6 TA	AT7 TV	AT8 LM	AT9 VL	AT10	AT11	AT12	AT13	AT14	AT15	AT16	AT17	AT18	AT19	AT20
1RA566	REG	SOIL	COMP			TAN	NATIVE SOIL #24	TSF-26	0-0.5	1																			
1RA567	REG	SOIL	COMP			TAN	NATIVE SOIL #25	TSF-26	0-0.5	1																			
1RA568	REG	SOIL	COMP			TAN	NATIVE SOIL #1	TSF-26	0.5-1	1																			
1RA569	REG	SOIL	COMP			TAN	NATIVE SOIL #2	TSF-26	0.5-1	1	1	1	1				1	1											
1RA570	REG	SOIL	COMP			TAN	NATIVE SOIL #3	TSF-26	0.5-1	1	1	1	1				1	1											
1RA571	REG/QC	SOIL	DUP			TAN	NATIVE SOIL #4	TSF-26	0.5-1	1	2	2	2				2	2											
1RA572	REG	SOIL	COMP			TAN	NATIVE SOIL #5	TSF-26	0.5-1	1																			
1RA573	REG	SOIL	COMP			TAN	NATIVE SOIL #6	TSF-26	0.5-1	1																			
1RA574	REG	SOIL	COMP			TAN	NATIVE SOIL #7	TSF-26	0.5-1	1																			
1RA575	REG	SOIL	COMP			TAN	NATIVE SOIL #8	TSF-26	0.5-1	1																			
1RA576	REG	SOIL	COMP			TAN	NATIVE SOIL #9	TSF-26	0.5-1	1																			
1RA577	REG	SOIL	COMP			TAN	NATIVE SOIL #10	TSF-26	0.5-1	1																			
1RA578	REG	SOIL	COMP			TAN	NATIVE SOIL #11	TSF-26	0.5-1	1																			
1RA579	REG	SOIL	COMP			TAN	NATIVE SOIL #12	TSF-26	0.5-1	1																			
1RA580	REG	SOIL	COMP			TAN	NATIVE SOIL #13	TSF-26	0.5-1	1																			

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AT7: TCLP VOCs
AT8: Total Metals (CLP TAL)
AT9: VOCs (CLP TAL)
AT10:
AT11:
AT12:
AT13:
AT14:
AT15:
AT16:
AT17:
AT18:
AT19:
AT20:

Comments:

TSF-06 Feedlines #1 - #6: The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA493 - 1RA498)

TSF-26 Feedlines #1 - #6: The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA649 - 1RA654)

TSF-26 Tanks #1 and #2 Bedding Material Bottom Interval - The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA734 and 1RA735)

Equipment Rinsate - The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activity 1RA542)

Analysis Suites:

Radiochemistry - Suite 1: Sr-89, Gross Alpha, Gross Beta, Sr-90

Contingencies:

Plan Table Number: GROUP1-SOILS

DRAFT

SAP Number:

Date: 03/11/2003 Plan Table Revision: 2.0 Project: GROUP 1 (TSF-06, TSF-26) CHARACTERIZATION PROJECT Project Manager: BRUCE, J. E. SMO Contact: KIRCHNER, D. R.

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
										R4	PC	RH	EL	TI	TA	TV	LM	VL											
1RA581	REG	SOIL	COMP			TAN	NATIVE SOIL #14	TSF-26	0.5-1	1																			
1RA582	REG	SOIL	COMP			TAN	NATIVE SOIL #15	TSF-26	0.5-1	1																			
1RA583	REG	SOIL	COMP			TAN	NATIVE SOIL #16	TSF-26	0.5-1	1																			
1RA584	REG	SOIL	COMP			TAN	NATIVE SOIL #17	TSF-26	0.5-1	1																			
1RA585	REG	SOIL	COMP			TAN	NATIVE SOIL #18	TSF-26	0.5-1	1																			
1RA586	REG	SOIL	COMP			TAN	NATIVE SOIL #19	TSF-26	0.5-1	1																			
1RA587	REG	SOIL	COMP			TAN	NATIVE SOIL #20	TSF-26	0.5-1	1																			
1RA588	REG	SOIL	COMP			TAN	NATIVE SOIL #21	TSF-26	0.5-1	1																			
1RA589	REG	SOIL	COMP			TAN	NATIVE SOIL #22	TSF-26	0.5-1	1																			
1RA590	REG	SOIL	COMP			TAN	NATIVE SOIL #23	TSF-26	0.5-1	1																			
1RA591	REG	SOIL	COMP			TAN	NATIVE SOIL #24	TSF-26	0.5-1	1																			
1RA592	REG	SOIL	COMP			TAN	NATIVE SOIL #25	TSF-26	0.5-1	1																			
1RA593	REG	SOIL	COMP			TAN	NATIVE SOIL #1	TSF-26	1-1.5	1																			
1RA594	REG	SOIL	COMP			TAN	NATIVE SOIL #2	TSF-26	1-1.5	1	1	1	1				1	1											
1RA595	REG	SOIL	COMP			TAN	NATIVE SOIL #3	TSF-26	1-1.5	1	1	1	1				1	1											

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

The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

AT1: Gamma Spec
AT2: PCBs
AT3: Radiochemistry - Suite 1
AT4: SVOCs (CLP TAL)
AT5: TCLP Metals
AT6: TCLP SVOCs
AT7: TCLP VOCs
AT8: Total Metals (CLP TAL)
AT9: VOCs (CLP TAL)
AT10:
AT11:
AT12:
AT13:
AT14:
AT15:
AT16:
AT17:
AT18:
AT19:
AT20:

Comments:

TSF-06 Feedlines #1 - #6: The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA493 - 1RA498)

TSF-26 Feedlines #1 - #6: The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA649 - 1RA654)

TSF-26 Tanks #1 and #2 Bedding Material Bottom Interval - The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA734 and 1RA735)

Equipment Rinsate - The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activity 1RA542)

Analysis Suites:

Radiochemistry - Suite 1: Sr-89, Gross Alpha, Gross Beta, Sr-90

Contingencies:

Sampling and Analysis Plan Table for Chemical and Radiological Analysis

Plan Table Number: GROUP1-SOILS

DRAFT

SAP Number:

Date: 03/11/2003 Plan Table Revision: 2.0 Project: GROUP 1 (TSF-06, TSF-26) CHARACTERIZATION PROJECT Project Manager: BRUCE, J. E. SMO Contact: KIRCHNER, D. R.

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
										R4	PC	RH	EL	TI	TA	TV	LM	VL											
1RA596	REG	SOIL	COMP			TAN	NATIVE SOIL #4	TSF-26	1-1.5	1	1	1	1				1	1											
1RA597	REG	SOIL	COMP			TAN	NATIVE SOIL #5	TSF-26	1-1.5	1	1	1	1				1	1											
1RA598	REG	SOIL	COMP			TAN	NATIVE SOIL #6	TSF-26	1-1.5	1																			
1RA599	REG	SOIL	COMP			TAN	NATIVE SOIL #7	TSF-26	1-1.5	1																			
1RA600	REG	SOIL	COMP			TAN	NATIVE SOIL #8	TSF-26	1-1.5	1																			
1RA601	REG	SOIL	COMP			TAN	NATIVE SOIL #9	TSF-26	1-1.5	1																			
1RA602	REG	SOIL	COMP			TAN	NATIVE SOIL #10	TSF-26	1-1.5	1																			
1RA603	REG	SOIL	COMP			TAN	NATIVE SOIL #11	TSF-26	1-1.5	1																			
1RA604	REG	SOIL	COMP			TAN	NATIVE SOIL #12	TSF-26	1-1.5	1																			
1RA605	REG	SOIL	COMP			TAN	NATIVE SOIL #13	TSF-26	1-1.5	1																			
1RA606	REG	SOIL	COMP			TAN	NATIVE SOIL #14	TSF-26	1-1.5	1																			
1RA607	REG	SOIL	COMP			TAN	NATIVE SOIL #15	TSF-26	1-1.5	1																			
1RA608	REG	SOIL	COMP			TAN	NATIVE SOIL #16	TSF-26	1-1.5	1																			
1RA609	REG	SOIL	COMP			TAN	NATIVE SOIL #17	TSF-26	1-1.5	1																			
1RA610	REG	SOIL	COMP			TAN	NATIVE SOIL #18	TSF-26	1-1.5	1																			

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AT1: Gamma Spec
AT2: PCBs
AT3: Radiochemistry - Suite 1
AT4: SVOCs (CLP TAL)
AT5: TCLP Metals
AT6: TCLP SVOCs
AT7: TCLP VOCs
AT8: Total Metals (CLP TAL)
AT9: VOCs (CLP TAL)
AT10:
AT11:
AT12:
AT13:
AT14:
AT15:
AT16:
AT17:
AT18:
AT19:
AT20:

Comments:

TSF-06 Feedlines #1 - #6: The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA493 - 1RA498)

TSF-26 Feedlines #1 - #6: The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA649 - 1RA654)

TSF-26 Tanks #1 and #2 Bedding Material Bottom Interval - The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA734 and 1RA735)

Equipment Rinsate - The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activity 1RA542)

Analysis Suites:

Radiochemistry - Suite 1: Sr-89, Gross Alpha, Gross Beta, Sr-90

Contingencies:

Plan Table Number: GROUP1-SOILS

DRAFT

SAP Number:

Date: 03/11/2003 Plan Table Revision: 2.0 Project: GROUP 1 (TSF-06, TSF-26) CHARACTERIZATION PROJECT Project Manager: BRUCE, J. E. SMO Contact: KIRCHNER, D. R.

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
										R4	PC	RH	EL	TI	TA	TV	LM	VL												
1RA611	REG	SOIL	COMP			TAN	NATIVE SOIL #19	TSF-26	1-1.5	1																				
1RA612	REG	SOIL	COMP			TAN	NATIVE SOIL #20	TSF-26	1-1.5	1																				
1RA613	REG	SOIL	COMP			TAN	NATIVE SOIL #21	TSF-26	1-1.5	1																				
1RA614	REG	SOIL	COMP			TAN	NATIVE SOIL #22	TSF-26	1-1.5	1																				
1RA615	REG	SOIL	COMP			TAN	NATIVE SOIL #23	TSF-26	1-1.5	1																				
1RA616	REG	SOIL	COMP			TAN	NATIVE SOIL #24	TSF-26	1-1.5	1																				
1RA617	REG	SOIL	COMP			TAN	NATIVE SOIL #25	TSF-26	1-1.5	1																				
1RA618	QC	WATER	FBLK			TAN	FIELD BLANK	QC	NA	1		1																		
1RA619	REG	SOIL	COMP			TAN	DITCH #1	TSF-26	0-1	1																				
1RA620	REG	SOIL	COMP			TAN	DITCH #2	TSF-26	0-1	1																				
1RA621	REG/QC	SOIL	DUP			TAN	DITCH #3	TSF-26	0-1	1	2	2	2				2	2												
1RA622	REG	SOIL	COMP			TAN	DITCH #4	TSF-26	0-1	1																				
1RA623	REG	SOIL	COMP			TAN	DITCH #5	TSF-26	0-1	1																				
1RA624	REG	SOIL	COMP			TAN	DITCH #6	TSF-26	0-1	1																				
1RA625	REG	SOIL	COMP			TAN	DITCH #1	TSF-26	1-2	1	1	1	1				1	1												

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AT1: Gamma Spec
AT2: PCBs
AT3: Radiochemistry - Suite 1
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AT9: VOCs (CLP TAL)
AT10:
AT11:
AT12:
AT13:
AT14:
AT15:
AT16:
AT17:
AT18:
AT19:
AT20:

Comments:

TSF-06 Feedlines #1 - #6: The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA493 - 1RA498)

TSF-26 Feedlines #1 - #6: The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA649 - 1RA654)

TSF-26 Tanks #1 and #2 Bedding Material Bottom Interval - The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA734 and 1RA735)

Equipment Rinsate - The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activity 1RA542)

Analysis Suites:

Radiochemistry - Suite 1: Sr-89, Gross Alpha, Gross Beta, Sr-90

Contingencies:

Plan Table Number: GROUP1-SOILS

DRAFT

SAP Number:

Date: 03/11/2003 Plan Table Revision: 2.0 Project: GROUP 1 (TSF-06, TSF-26) CHARACTERIZATION PROJECT Project Manager: BRUCE, J. E. SMO Contact: KIRCHNER, D. R.

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
										R4	PC	RH	EL	TI	TA	TV	LM	VL											
1RA626	REG	SOIL	COMP			TAN	DITCH #2	TSF-26	1-2	1																			
1RA627	REG	SOIL	COMP			TAN	DITCH #3	TSF-26	1-2	1																			
1RA628	REG	SOIL	COMP			TAN	DITCH #4	TSF-26	1-2	1																			
1RA629	REG	SOIL	COMP			TAN	DITCH #5	TSF-26	1-2	1																			
1RA630	REG	SOIL	COMP			TAN	DITCH #6	TSF-26	1-2	1																			
1RA631	REG	SOIL	COMP			TAN	DITCH #1	TSF-26	2-3	1	1	1	1				1	1											
1RA632	REG	SOIL	COMP			TAN	DITCH #2	TSF-26	2-3	1	1	1	1				1	1											
1RA633	REG	SOIL	COMP			TAN	DITCH #3	TSF-26	2-3	1																			
1RA634	REG	SOIL	COMP			TAN	DITCH #4	TSF-26	2-3	1																			
1RA635	REG	SOIL	COMP			TAN	DITCH #5	TSF-26	2-3	1																			
1RA636	REG	SOIL	COMP			TAN	DITCH #6	TSF-26	2-3	1																			
1RA637	QC	WATER	FBLK			TAN	FIELD BLANK	QC	NA	1		1																	
1RA638	REG/QC	SOIL	DUP			TAN	SOUTH SHLDR #1	TSF-26	0-2	1	2	2	2				2	2											
1RA639	REG	SOIL	COMP			TAN	SOUTH SHLDR #2	TSF-26	0-2	1	1	1	1				1	1											
1RA640	REG	SOIL	COMP			TAN	SOUTH SHLDR #3	TSF-26	0-2	1																			

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AT1: Gamma Spec
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AT3: Radiochemistry - Suite 1
AT4: SVOCs (CLP TAL)
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AT7: TCLP VOCs
AT8: Total Metals (CLP TAL)
AT9: VOCs (CLP TAL)
AT10:
AT11:
AT12:
AT13:
AT14:
AT15:
AT16:
AT17:
AT18:
AT19:
AT20:

Comments:

TSF-06 Feedlines #1 - #6: The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA493 - 1RA498)

TSF-26 Feedlines #1 - #6: The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA649 - 1RA654)

TSF-26 Tanks #1 and #2 Bedding Material Bottom Interval - The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA734 and 1RA735)

Equipment Rinsate - The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activity 1RA542)

Analysis Suites:

Radiochemistry - Suite 1: Sr-89, Gross Alpha, Gross Beta, Sr-90

Contingencies:

Plan Table Number: GROUP1-SOILS

DRAFT

SAP Number:

Date: 03/11/2003 Plan Table Revision: 2.0 Project: GROUP 1 (TSF-06, TSF-26) CHARACTERIZATION PROJECT Project Manager: BRUCE, J. E. SMO Contact: KIRCHNER, D. R.

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
										R4	PC	RH	EL	TI	TA	TV	LM	VL											
1RA641	REG	SOIL	COMP			TAN	SOUTH SHLDR #4	TSF-26	0-2	1																			
1RA642	REG	SOIL	COMP			TAN	SOUTH SHLDR #5	TSF-26	0-2	1																			
1RA643	REG	SOIL	COMP			TAN	SOUTH SHLDR #6	TSF-26	0-2	1																			
1RA644	REG	SOIL	COMP			TAN	SOUTH SHLDR #7	TSF-26	0-2	1																			
1RA645	REG	SOIL	COMP			TAN	SOUTH SHLDR #8	TSF-26	0-2	1																			
1RA646	REG	SOIL	COMP			TAN	SOUTH SHLDR #9	TSF-26	0-2	1																			
1RA647	REG	SOIL	COMP			TAN	SOUTH SHLDR #10	TSF-26	0-2	1																			
1RA648	QC	WATER	FBLK			TAN	FIELD BLANK	QC	NA	1		1																	
1RA649	REG/QC	SOIL	DUP			TAN	FEEDLINES #1	TSF-26	TBD	2	2	2	2				2	2											
1RA650	REG	SOIL	COMP			TAN	FEEDLINES #2	TSF-26	TBD	2	1	1	1				1	1											
1RA651	REG	SOIL	COMP			TAN	FEEDLINES #3	TSF-26	TBD	2	1	1	1				1	1											
1RA652	REG	SOIL	COMP			TAN	FEEDLINES #4	TSF-26	TBD	2	1	1	1				1	1											
1RA653	REG	SOIL	COMP			TAN	FEEDLINES #5	TSF-26	TBD	2	1	1	1				1	1											
1RA654	REG	SOIL	COMP			TAN	FEEDLINES #6	TSF-26	TBD	2	1	1	1				1	1											
1RA655	QC	WATER	FBLK			TAN	FIELD BLANK	QC	NA	1		1																	

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AT1: Gamma Spec
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AT6: TCLP SVOCs
AT7: TCLP VOCs
AT8: Total Metals (CLP TAL)
AT9: VOCs (CLP TAL)
AT10:
AT11:
AT12:
AT13:
AT14:
AT15:
AT16:
AT17:
AT18:
AT19:
AT20:

Comments:

TSF-06 Feedlines #1 - #6: The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA493 - 1RA498)

TSF-26 Feedlines #1 - #6: The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA649 - 1RA654)

TSF-26 Tanks #1 and #2 Bedding Material Bottom Interval - The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA734 and 1RA735)

Equipment Rinsate - The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activity 1RA542)

Analysis Suites:

Radiochemistry - Suite 1: Sr-89, Gross Alpha, Gross Beta, Sr-90

Contingencies:

Plan Table Number: GROUP1-SOILS

DRAFT

SAP Number:

Date: 03/11/2003 Plan Table Revision: 2.0 Project: GROUP 1 (TSF-06, TSF-26) CHARACTERIZATION PROJECT Project Manager: BRUCE, J. E. SMO Contact: KIRCHNER, D. R.

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
										R4	PC	RH	EL	TI	TA	TV	LM	VL											
1RA656	REG	SOIL	COMP			TAN	TANKS #1 BED	TSF-26	4-6	1																			
1RA657	REG	SOIL	COMP			TAN	TANKS #2 BED	TSF-26	4-6	1																			
1RA658	REG	SOIL	COMP			TAN	TANKS #3 CRADLE	TSF-26	4-6	1																			
1RA659	REG	SOIL	COMP			TAN	TANKS #4 CRADLE	TSF-26	4-6	1																			
1RA660	REG	SOIL	COMP			TAN	TANKS #5 CRADLE	TSF-26	4-6	1																			
1RA661	REG	SOIL	COMP			TAN	TANKS #6 CRADLE	TSF-26	4-6	1																			
1RA662	REG	SOIL	COMP			TAN	TANKS #1 BED	TSF-26	6-8	1																			
1RA663	REG	SOIL	COMP			TAN	TANKS #2 BED	TSF-26	6-8	1																			
1RA664	REG	SOIL	COMP			TAN	TANKS #3 CRADLE	TSF-26	6-8	1																			
1RA665	REG	SOIL	COMP			TAN	TANKS #4 CRADLE	TSF-26	6-8	1																			
1RA666	REG	SOIL	COMP			TAN	TANKS #5 CRADLE	TSF-26	6-8	1																			
1RA667	REG	SOIL	COMP			TAN	TANKS #6 CRADLE	TSF-26	6-8	1																			
1RA668	REG	SOIL	COMP			TAN	TANKS #1 BED	TSF-26	8-10	1																			
1RA669	REG	SOIL	COMP			TAN	TANKS #2 BED	TSF-26	8-10	1																			
1RA670	REG	SOIL	COMP			TAN	TANKS #3 CRADLE	TSF-26	8-10	1																			

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AT5: TCLP Metals
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AT11:
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AT14:
AT15:
AT16:
AT17:
AT18:
AT19:
AT20:

Comments:

TSF-06 Feedlines #1 - #6: The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA493 - 1RA498)

TSF-26 Feedlines #1 - #6: The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA649 - 1RA654)

TSF-26 Tanks #1 and #2 Bedding Material Bottom Interval - The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA734 and 1RA735)

Equipment Rinsate - The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activity 1RA542)

Analysis Suites:

Radiochemistry - Suite 1: Sr-89, Gross Alpha, Gross Beta, Sr-90

Contingencies:

Plan Table Number: GROUP1-SOILS

SAP Number:

DRAFT

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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
										R4	PC	RH	EL	TI	TA	TV	LM	VL											
1RA671	REG	SOIL	COMP			TAN	TANKS #4 CRADLE	TSF-26	8-10	1																			
1RA672	REG	SOIL	COMP			TAN	TANKS #5 CRADLE	TSF-26	8-10	1																			
1RA673	REG	SOIL	COMP			TAN	TANKS #6 CRADLE	TSF-26	8-10	1																			
1RA674	REG	SOIL	COMP			TAN	TANKS #1 BED	TSF-26	10-12	2																			
1RA675	REG	SOIL	COMP			TAN	TANKS #2 BED	TSF-26	10-12	1																			
1RA676	REG	SOIL	COMP			TAN	TANKS #3 CRADLE	TSF-26	10-12	1																			
1RA677	REG	SOIL	COMP			TAN	TANKS #4 CRADLE	TSF-26	10-12	1																			
1RA678	REG	SOIL	COMP			TAN	TANKS #5 CRADLE	TSF-26	10-12	1																			
1RA679	REG	SOIL	COMP			TAN	TANKS #6 CRADLE	TSF-26	10-12	1																			
1RA680	REG	SOIL	COMP			TAN	TANKS #1 BED	TSF-26	12-14	1																			
1RA681	REG	SOIL	COMP			TAN	TANKS #2 BED	TSF-26	12-14	1																			
1RA682	REG	SOIL	COMP			TAN	TANKS #3 CRADLE	TSF-26	12-14	1																			
1RA683	REG	SOIL	COMP			TAN	TANKS #4 CRADLE	TSF-26	12-14	1																			
1RA684	REG	SOIL	COMP			TAN	TANKS #5 CRADLE	TSF-26	12-14	1																			
1RA685	REG	SOIL	COMP			TAN	TANKS #6 CRADLE	TSF-26	12-14	1																			

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AT14:
AT15:
AT16:
AT17:
AT18:
AT19:
AT20:

Comments:

TSF-06 Feedlines #1 - #6: The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA493 - 1RA498)

TSF-26 Feedlines #1 - #6: The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA649 - 1RA654)

TSF-26 Tanks #1 and #2 Bedding Material Bottom Interval - The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA734 and 1RA735)

Equipment Rinsate - The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activity 1RA542)

Analysis Suites:

Radiochemistry - Suite 1: Sr-89, Gross Alpha, Gross Beta, Sr-90

Contingencies:

Plan Table Number: GROUP1-SOILS

SAP Number:

DRAFT

Date: 03/11/2003 Plan Table Revision: 2.0 Project: GROUP 1 (TSF-06, TSF-26) CHARACTERIZATION PROJECT Project Manager: BRUCE, J. E. SMO Contact: KIRCHNER, D. R.

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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
										R4	PC	RH	EL	TI	TA	TV	LM	VL											
1RA686	REG	SOIL	COMP			TAN	TANKS #1 BED	TSF-26	14-16	1																			
1RA687	REG	SOIL	COMP			TAN	TANKS #2 BED	TSF-26	14-16	1																			
1RA688	REG	SOIL	COMP			TAN	TANKS #3 CRADLE	TSF-26	14-16	1																			
1RA689	REG	SOIL	COMP			TAN	TANKS #4 CRADLE	TSF-26	14-16	1																			
1RA690	REG	SOIL	COMP			TAN	TANKS #5 CRADLE	TSF-26	14-16	1																			
1RA691	REG	SOIL	COMP			TAN	TANKS #6 CRADLE	TSF-26	14-16	1																			
1RA692	REG	SOIL	COMP			TAN	TANKS #1 BED	TSF-26	16-18	1																			
1RA693	REG	SOIL	COMP			TAN	TANKS #2 BED	TSF-26	16-18	1																			
1RA694	REG	SOIL	COMP			TAN	TANKS #3 CRADLE	TSF-26	16-18	1																			
1RA695	REG	SOIL	COMP			TAN	TANKS #4 CRADLE	TSF-26	16-18	1																			
1RA696	REG	SOIL	COMP			TAN	TANKS #5 CRADLE	TSF-26	16-18	1																			
1RA697	REG	SOIL	COMP			TAN	TANKS #6 CRADLE	TSF-26	16-18	1																			
1RA698	REG	SOIL	COMP			TAN	TANKS #1 BED	TSF-26	18-20	1																			
1RA699	REG	SOIL	COMP			TAN	TANKS #2 BED	TSF-26	18-20	1																			
1RA700	REG	SOIL	COMP			TAN	TANKS #3 CRADLE	TSF-26	18-20	1																			

The sampling activity displayed on this table represents the first six characters of the sample identification number. The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

AT1: Gamma Spec
AT2: PCBs
AT3: Radiochemistry - Suite 1
AT4: SVOCs (CLP TAL)
AT5: TCLP Metals
AT6: TCLP SVOCs
AT7: TCLP VOCs
AT8: Total Metals (CLP TAL)
AT9: VOCs (CLP TAL)
AT10:
AT11:
AT12:
AT13:
AT14:
AT15:
AT16:
AT17:
AT18:
AT19:
AT20:

Comments:

TSF-06 Feedlines #1 - #6: The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA493 - 1RA498)

TSF-26 Feedlines #1 - #6: The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA649 - 1RA654)

TSF-26 Tanks #1 and #2 Bedding Material Bottom Interval - The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA734 and 1RA735)

Equipment Rinsate - The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activity 1RA542)

Analysis Suites:

Radiochemistry - Suite 1: Sr-89, Gross Alpha, Gross Beta, Sr-90

Contingencies:

Sampling and Analysis Plan Table for Chemical and Radiological Analysis

Plan Table Number: GROUP1-SOILS

DRAFT

SAP Number:

Date: 03/11/2003 Plan Table Revision: 2.0 Project: GROUP 1 (TSF-06, TSF-26) CHARACTERIZATION PROJECT Project Manager: BRUCE, J. E. SMO Contact: KIRCHNER, D. R.

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
										R4	PC	RH	EL	TI	TA	TV	LM	VL											
1RA701	REG	SOIL	COMP			TAN	TANKS #4 CRADLE	TSF-26	18-20	1																			
1RA702	REG	SOIL	COMP			TAN	TANKS #5 CRADLE	TSF-26	18-20	1																			
1RA703	REG	SOIL	COMP			TAN	TANKS #6 CRADLE	TSF-26	18-20	1																			
1RA704	REG	SOIL	COMP			TAN	TANKS #1 BED	TSF-26	20-22	1																			
1RA705	REG	SOIL	COMP			TAN	TANKS #2 BED	TSF-26	20-22	1																			
1RA706	REG	SOIL	COMP			TAN	TANKS #3 CRADLE	TSF-26	20-22	1																			
1RA707	REG	SOIL	COMP			TAN	TANKS #4 CRADLE	TSF-26	20-22	1																			
1RA708	REG	SOIL	COMP			TAN	TANKS #5 CRADLE	TSF-26	20-22	1																			
1RA709	REG	SOIL	COMP			TAN	TANKS #6 CRADLE	TSF-26	20-22	1																			
1RA710	REG	SOIL	COMP			TAN	TANKS #1 BED	TSF-26	22-24	1																			
1RA711	REG	SOIL	COMP			TAN	TANKS #2 BED	TSF-26	22-24	1																			
1RA712	REG	SOIL	COMP			TAN	TANKS #3 CRADLE	TSF-26	22-24	1																			
1RA713	REG	SOIL	COMP			TAN	TANKS #4 CRADLE	TSF-26	22-24	1																			
1RA714	REG	SOIL	COMP			TAN	TANKS #5 CRADLE	TSF-26	22-24	1																			
1RA715	REG	SOIL	COMP			TAN	TANKS #6 CRADLE	TSF-26	22-24	1																			

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AT6: TCLP SVOCs
AT7: TCLP VOCs
AT8: Total Metals (CLP TAL)
AT9: VOCs (CLP TAL)
AT10:
AT11:
AT12:
AT13:
AT14:
AT15:
AT16:
AT17:
AT18:
AT19:
AT20:

Comments:

TSF-06 Feedlines #1 - #6: The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA493 - 1RA498)

TSF-26 Feedlines #1 - #6: The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA649 - 1RA654)

TSF-26 Tanks #1 and #2 Bedding Material Bottom Interval - The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA734 and 1RA735)

Equipment Rinsate - The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activity 1RA542)

Analysis Suites:

Radiochemistry - Suite 1: Sr-89, Gross Alpha, Gross Beta, Sr-90

Contingencies:

Sampling and Analysis Plan Table for Chemical and Radiological Analysis

Plan Table Number: GROUP1-SOILS

DRAFT

SAP Number:

Date: 03/11/2003 Plan Table Revision: 2.0 Project: GROUP 1 (TSF-06, TSF-26) CHARACTERIZATION PROJECT Project Manager: BRUCE, J. E. SMO Contact: KIRCHNER, D. R.

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 R4	AT2 PC	AT3 RH	AT4 EL	AT5 TI	AT6 TA	AT7 TV	AT8 LM	AT9 VL	AT10	AT11	AT12	AT13	AT14	AT15	AT16	AT17	AT18	AT19	AT20
1RA716	REG	SOIL	COMP			TAN	TANKS #1 BED	TSF-26	DEEPEST	1	1	1	1				1	1											
1RA717	REG	SOIL	COMP			TAN	TANKS #2 BED	TSF-26	DEEPEST	1	1	1	1				1	1											
1RA718	REG	SOIL	COMP			TAN	TANKS #3 CRADLE	TSF-26	DEEPEST	1	1	1	1				1	1											
1RA719	REG	SOIL	COMP			TAN	TANKS #4 CRADLE	TSF-26	DEEPEST	1	1	1	1				1	1											
1RA720	REG	SOIL	COMP			TAN	TANKS #5 CRADLE	TSF-26	DEEPEST	1	1	1	1				1	1											
1RA721	REG	SOIL	COMP			TAN	TANKS #6 CRADLE	TSF-26	DEEPEST	1	1	1	1				1	1											
1RA722	REG	SOIL	COMP			TAN	TANKS #1 BED	TSF-26	TBD	1	1	1	1				1	1											
1RA723	REG	SOIL	COMP			TAN	TANKS #2 BED	TSF-26	TBD	1	1	1	1				1	1											
1RA724	REG	SOIL	COMP			TAN	TANKS #3 CRADLE	TSF-26	TBD	1	1	1	1				1	1											
1RA725	REG	SOIL	COMP			TAN	TANKS #4 CRADLE	TSF-26	TBD	1	1	1	1				1	1											
1RA726	REG	SOIL	COMP			TAN	TANKS #5 CRADLE	TSF-26	TBD	1	1	1	1				1	1											
1RA727	REG	SOIL	COMP			TAN	TANKS #6 CRADLE	TSF-26	TBD	1	1	1	1				1	1											
1RA728	REG	SOIL	COMP			TAN	TANKS #1 BED	TSF-26	TBD	1	1	1	1				1	1											
1RA729	REG	SOIL	COMP			TAN	TANKS #2 BED	TSF-26	TBD	1	1	1	1				1	1											
1RA730	REG	SOIL	COMP			TAN	TANKS #3 CRADLE	TSF-26	TBD	1	1	1	1				1	1											

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AT5: TCLP Metals
AT6: TCLP SVOCs
AT7: TCLP VOCs
AT8: Total Metals (CLP TAL)
AT9: VOCs (CLP TAL)
AT10:
AT11:
AT12:
AT13:
AT14:
AT15:
AT16:
AT17:
AT18:
AT19:
AT20:

Comments:

TSF-06 Feedlines #1 - #6: The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA493 - 1RA498)

TSF-26 Feedlines #1 - #6: The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA649 - 1RA654)

TSF-26 Tanks #1 and #2 Bedding Material Bottom Interval - The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA734 and 1RA735)

Equipment Rinsate - The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activity 1RA542)

Analysis Suites:

Radiochemistry - Suite 1: Sr-89, Gross Alpha, Gross Beta, Sr-90

Contingencies:

Plan Table Number: GROUP1-SOILS

SAP Number:

DRAFT

Date: 03/11/2003 Plan Table Revision: 2.0 Project: GROUP 1 (TSF-06, TSF-26) CHARACTERIZATION PROJECT Project Manager: BRUCE, J. E. SMO Contact: KIRCHNER, D. R.

Sample Description						Sample Location				Enter Analysis Types (AT) and Quantity Requested																			
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1RA731	REG	SOIL	COMP			TAN	TANKS #4 CRADLE	TSF-26	TBD	1	1	1	1				1	1											
1RA732	REG	SOIL	COMP			TAN	TANKS #5 CRADLE	TSF-26	TBD	1	1	1	1				1	1											
1RA733	REG	SOIL	COMP			TAN	TANKS #6 CRADLE	TSF-26	TBD	1	1	1	1				1	1											
1RA734	REG	SOIL	COMP			TAN	TANKS #1 BED	TSF-26	BOTTOM	2	1	1	1				1	1											
1RA735	REG	SOIL	COMP			TAN	TANKS #2 BED	TSF-26	BOTTOM	2	1	1	1				1	1											
1RA736	REG	DEBRIS	COMP			TAN	DEBRIS #1	TSF-26	NA	1	1	1		1	1	1													
1RA737	REG	DEBRIS	COMP			TAN	DEBRIS #2	TSF-26	NA	1	1	1		1	1	1													
1RA738	REG	DEBRIS	COMP			TAN	DEBRIS #3	TSF-26	NA	1	1	1		1	1	1													
1RA739	REG	DEBRIS	COMP			TAN	DEBRIS #4	TSF-26	NA	1	1	1		1	1	1													
1RA740	REG	DEBRIS	COMP			TAN	DEBRIS #5	TSF-26	NA	1	1	1		1	1	1													
1RA741	REG	DEBRIS	COMP			TAN	DEBRIS #6	TSF-26	NA	1	1	1		1	1	1													
1RA742	REG	DEBRIS	COMP			TAN	DEBRIS #7	TSF-26	NA	1	1	1		1	1	1													
1RA743	REG	DEBRIS	COMP			TAN	DEBRIS #8	TSF-26	NA	1	1	1		1	1	1													

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AT13:
AT14:
AT15:
AT16:
AT17:
AT18:
AT19:
AT20:

Comments:

TSF-06 Feedlines #1 - #6: The duplicate Gamma Spec sample will be sent off-site for analysis. (Sample Activities 1RA493 - 1RA498)

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Analysis Suites:

Radiochemistry - Suite 1: Sr-89, Gross Alpha, Gross Beta, Sr-90

Contingencies:

Appendix B

Responses to Comments

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PROJECT DOCUMENT REVIEW RECORD

DOCUMENT TITLE/DESCRIPTION: Field Sampling Plan for Remedial Action Sampling and Field Screening of Group 1 Sites at Waste Area Group 1, Operable Unit 1-10

DATE: 1/7/03 **REVIEWER:** EPA

ITEM NUMBER	SECTION NUMBER	PAGE NUMBER	COMMENT	RESOLUTION
GENERAL COMMENTS				
1	General	General	Section 1 states that this FSP will guide pre-remediation characterization sampling of contamination areas to support subsequent soil removal actions to ensure that soils will meet associated waste characterization requirements for future waste disposal at ICDF. This appears to imply that another FSP will be issued to address sampling during remediation and to determine if the site is clean. But also implies that the analytical results will be used to determine if the excavated soil will meet the waste acceptance criteria at ICDF. It is not clear if this FSP is just to characterize the soil prior to the start of the remedial action or if, as the title suggests, this FSP is to include all sampling necessary to complete the remediation as well as field screening of the sites.	It is understood that the language presented in Section 1.1 in the paragraph under the bullets may imply that another FSP would be created to address sampling during remediation and for ICDF disposal data needs. This paragraph will be reworded to ensure that it clearly states that this FSP addresses all identified data needs for the Group 1 remediation of TSF-06 Area B and TSF-26. However, it should be noted that, depending upon the results of sampling event and the planned remediation approach for the PM-2A tank feed lines through TSF-06 Area B, this FSP may require modification to address data needs to address that scope. Those data needs cannot be addressed without the results of the sampling near those feed lines. Further confirmation sampling of the PM-2A tank feed lines in the TSF-26 site or sampling beneath the tanks following remediation would be addressed by a Group 3 FSP.
2			Section 4 discusses sampling for characterization prior to disposal and to define the site. But prior to excavation, samples will be taken and analyzed using a A20 minute gamma spectrometric analysis to ensure Final Remediation Goals have been achieved. It is not clear how FRGs are achieved prior to excavation.	In Section 4.2.1.1, in the third paragraph, the text states that the samples will be screened onsite to ensure the FRG has been achieved. This sentence is incorrect, and will be modified or deleted. The document will be word searched to ensure this does not occur elsewhere in the document. It is agreed that only confirmation

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PROJECT DOCUMENT REVIEW RECORD

DOCUMENT TITLE/DESCRIPTION: Field Sampling Plan for Remedial Action Sampling and Field Screening of Group 1 Sites at Waste Area Group 1, Operable Unit 1-10

DATE: 1/7/03 **REVIEWER:** EPA

ITEM NUMBER	SECTION NUMBER	PAGE NUMBER	COMMENT	RESOLUTION
			Also, it is unclear if "waste profiling", as discussed in this section is different from waste acceptance criteria as used in Section 1. If the terms are interchangeable, then EPA recommends that sampling to determine if the excavated soil meets the waste acceptance criteria at ICDF be performed after the soil is excavated and placed in containers for transport and not prior to excavation. If they are not the same, then somewhere within the document the various terms should be defined. It appears that the extent of the contamination will be determined only by the extent of cesium. There are other contaminates at this site besides cesium. A brief explanation should be provided to explain why only cesium can be used to determine the extent of contamination.	sampling performed after excavation can demonstrate whether FRGs have been met. The terminology "waste profiling" is used somewhat interchangeably with waste acceptance criteria in this document, with the difference being that waste profiling is the characterization and completion of the waste profile, and waste acceptance criteria are the limits that the waste profile cannot exceed. The document will be word searched for each of these terms and modified so that they are used in this described manner. It is believed that pre-excavation waste profiling is the appropriate approach for these two sites for Group 1 remediation for several reasons. First, based upon sampling data obtained in 2000 from these two sites, they have relatively low contaminant concentrations in comparison with the ICDF WAC, and the distribution of contaminants seen in 2000 did not show a lot of uncertainty with these sites. The majority of soils that will be characterized prior to remediation have some degree of past sampling data. Second, ICDF requires waste profiles be submitted for approval several months in advance of actual waste shipment. This would mean either that the waste would be excavated and containerized pending analysis, or that pre-excavation characterization for waste profiling should be performed. For the volume

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DOCUMENT TITLE/DESCRIPTION: Field Sampling Plan for Remedial Action Sampling and Field Screening of Group 1 Sites at Waste Area Group 1, Operable Unit 1-10

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ITEM NUMBER	SECTION NUMBER	PAGE NUMBER	COMMENT	RESOLUTION
				of soils anticipated to require removal from these two sites, the option to excavate and containerize the waste pending analysis would be extremely cost prohibitive. Third, the ICDF is in the process of developing a waste verification sampling program which is being worked with EPA and IDEQ. The verification samples are collected following containerization and prior to shipment to the ICDF Complex. The purpose of verification sampling is to verify that the excavated, containerized waste is correctly represented by the waste profile. Fourth, based upon revisions to the FSP to resolve IDEQ comments, all samples collected for waste profiling for other COPCs (e.g., VOCs, SVOCs, PCBs, metals) will be selected from the samples with the highest radioactivity to ensure waste profile samples are the upper bound of expected waste concentrations. Finally, based upon good waste management practices, during excavation of the soil from TSF-06 Area B and TSF-26, if field conditions identified visual soil observations that were significantly different from sampling conditions (and the relative concentrations associated with those sampling conditions), that particular soil may require separate containerization and container specific sampling. For example, if the sampling event around the PM-2A feed lines through

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ITEM NUMBER	SECTION NUMBER	PAGE NUMBER	COMMENT	RESOLUTION
				the TSF-06 Area B site encountered only dry soil, and during the excavation of that soil, extremely wet soil was found that could be potentially from past releases from the feed lines, that soil would be containerized separately and evaluated. In response to the question about using Cs-137 as an indicator, the following text will be summarized and included in the document as justification for using Cs-137 as an indicator: Cesium-137 is being used in this FSP as the indicator parameter to identify soils that require excavation and disposal. The source of contamination for these sites is the liquid waste from the PM-2A Tanks. The TSF-26 site soils were contaminated by spilling the liquid waste from the tanks on the soil. Contamination was spread within TSF-26 and TSF-06, Area B by the windblown spread of contamination. In sampling conducted in 2000 of the TSF-26 stockpiles, results showed elevated levels of Cs-137 (over 3,000 pCi/g in the stockpiles and up to 710,000 pCi/g in the area identified as the wooden box) and extremely low (not detected or slightly above detection levels) levels of other contaminants (VOCs, PCBs, other radionuclides). Further, additional radiological sampling of both the TSF-26 and TSF-06, Area B sites in 2000 showed much lower levels of Cs-137 (e.g., in

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ITEM NUMBER	SECTION NUMBER	PAGE NUMBER	COMMENT	RESOLUTION
				the hundreds of pCi/g as the maximum). Based upon this information, Cs-137 is the best contaminant to identify soils requiring excavation. The exception to this could potentially be the ditch within TSF-06 Area B, the PM-2A Tank feed lines in TSF-06, Area B and TSF-26, and the ditch within TSF-26. In these cases, the planned samples are identified as having a higher percentage of the total samples analyzed for the other COPCs (metals, VOCs, SVOCs, PCBs).
SPECIFIC COMMENTS				
3	Section 1	1-1	Note the 2nd paragraph contains the phrase "Limited Action", while this is consistent with the Proposed Plan, the phrase that is currently being used is "No Further Action." This should be changed and the text searched for other uses of the phrase "Limited Action" and replaced with "No Further Action."	Comment accepted. The text will be checked globally and corrections will be made.
4	Table 3-1	3-4	DS# 1,2,3, TSF-Soil notes that Data does exist and is of sufficient quality. It is not clear why additional information is required. Provide some explanation in the text.	Comment accepted. The text will be modified to show that while the data that were collected were of sufficient "quality", the "quantity" and types of data are insufficient. No samples were collected and analyzed for those constituents (e.g., metals, VOCs, SVOCs, PCBs) required to support subsequent soil removal actions and to comply with associated waste characterization requirements for future waste disposal at the ICDF. Additional samples will need to be collected to ensure that data quantity is adequate.

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5	Section 3.7, 1st bullet	3-5	How is the specific area of soil, etc., determined? By krieging or what?	The bullet will be modified to move the information in parentheses to follow "the material" rather than "specific area." In addition, the following information will be added to the FSP, based upon discussion during the 1/23/2003 conference call with the Agencies: "The amount of material that will require removal to meet FRGs will be based upon field sampling results. Excavation of soil will extend to the outermost or deepest sampling location that is below the Cs-137 FRG of 23.3 pCi/g to ensure that all potentially contaminated media is removed."
6	Section 3.9	3-6	The TAN team should coordinate with the team at ICDF to insure that sampling criteria that is performed for waste profiling and RCRA closure concerns is adequate to meet the waste acceptance criteria for the ICDF.	Comment noted. The WAG 1 team has been working with the ICDF project and will continue to do so to ensure that waste characterization data meets the waste acceptance criteria for the ICDF. This FSP has been developed to meet the current ICDF requirements.
7	Section 3.11, 1st paragraph	3-7	It is not clear what is meant by Level B and/or Level A validation. An explanation should be included or referenced.	Comment accepted. The text will be changed to include explanations for Level A and Level B data, which is terminology used by the INEEL Sample Management Office.

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DATE: 1/7/03 **REVIEWER:** EPA

ITEM NUMBER	SECTION NUMBER	PAGE NUMBER	COMMENT	RESOLUTION
8	Table 3-3, 1st and 2nd activities	3-8	It appears that HPGe portable in situ gamma spectroscopy will be used to analyze the composite soil samples for Cs-137. Is this true? In Activity 1 the discussion of the HPGe indicates it is used for field screening. Are the composite soil samples just being screened for Cs-137?	Comment accepted. In prior discussions with the Agencies, it was decided that HPGE portable in situ gamma spectroscopy would be used both for field screening and to analyze some of the samples collected onsite. Other samples will be analyzed at a fixed base laboratory. This will be explained more clearly in the text.
9	Section 4.2.1.2	4-3	This section discusses confirmation sampling. The text states that the bottom of the excavation will be scanned with a scintillometer to more accurately define areas of contamination. There should not be any contamination when the excavation is complete. EPA suggests rewriting this to state that scanning will be done to insure that all contamination has been removed.	In areas of radiological contamination such as the TSF-06 and TSF-26 sites, there may be a measurable amount of radioactivity left in the soil following removal. The scintillometer will be used to find the highest areas of contamination to purposely bias confirmation sample locations toward areas with the highest potential contamination levels. The results of the confirmation samples will be compared to the established final remediation goals for these two sites, 23.3 pCi/g for Cs-137. The text will be revised to not use the word "contamination"; rather the text will explain that the sodium iodide scintillometer will be used to identify the areas with the highest number of counts per second above background, which will be the locations of the confirmation samples. The text will also be similarly modified in Section 4.2.2.2.

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DOCUMENT TITLE/DESCRIPTION: Field Sampling Plan for Remedial Action Sampling and Field Screening of Group 1 Sites at Waste Area Group 1, Operable Unit 1-10

DATE: 1/7/03 **REVIEWER:** EPA

ITEM NUMBER	SECTION NUMBER	PAGE NUMBER	COMMENT	RESOLUTION
10	Section 4.2.2.1, Paragraphs 4 and 5	4-4	The associated figure(s) should be cited in this section. Also EPA recommends adding a cross sectional diagram to supplement Figure 4-6.	Comment accepted. The figure will be cited in the text and an additional figure will be created to show the cross sectional diagram to supplement Figure 4-6.

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DOCUMENT TITLE/DESCRIPTION: Field Sampling Plan for Remedial Action Sampling and Field Screening of Group 1 Sites at Waste Area Group 1, Operable Unit 1-10

DATE: 1/7/03 **REVIEWER:** EPA

ITEM NUMBER	SECTION NUMBER	PAGE NUMBER	COMMENT	RESOLUTION
11	Section 4.2.2.1, last paragraph	4-5	Can the drill cuttings be returned to the bore holes and then after settling, capped with grout? If not, any storage restrictions/regulations should be determined and steps taken to insure that they are met, such as limits on time of storage.	In this application, it is preferred that the drill cuttings not be returned to the boreholes so that the entire length of the borehole can be better sealed with grout to prevent preferential flow patterns of moisture to any potential subsurface contaminants. However, this section has been written to provide one approach for sealing (the tremmie pipe method), rather than requiring a particular method. Because of this, the approach to place the cuttings back in the borehole and then seal the top portion with grout would be acceptable. If drill cutting waste would be generated, it would be managed as described in Section 6.2 of the FSP. However, there would not be any established time limits for storage of the waste. Time limits for storage of CERCLA waste are considered administrative requirements, not substantive requirements, and are therefore not applicable to this field investigation. It is the policy of WAG 1 to dispose of all generated waste as expeditiously as possible, and this situation would be no different. Based upon available information, disposal of soil drill cuttings from TSF-26 would occur at the ICDF, which is expected to open by summer 2003; in the event that ICDF was unavailable, Envirocare would be another option for disposal.

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DOCUMENT TITLE/DESCRIPTION: Field Sampling Plan for Remedial Action Sampling and Field Screening of Group 1 Sites at Waste Area Group 1, Operable Unit 1-10

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12	Section 4.2.2.1, 1st bullet, last sentence	4-6	The next to last sentence states that a total of 6 samples will be collected from around the pile and analyzed on site for gamma radiation. The last sentence states that samples will be sent to an off site laboratory(ies). Does this include all 6 samples or a subset of the six samples.	Comment accepted. A total of six samples will be collected and analyzed onsite (in the field using HPGe) for gamma radiation. The six samples will also be shipped to a fixed based laboratory for full suite analysis in the case that the PM2A feed pipes leaked and contaminants were released into the soil. The text will be clarified to better explain the approach.

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GENERAL COMMENTS				
1	General	General	The description of previous investigations at both TSF-06 and TSF-26 is spread between Sections 2.1 Site Description and History and 2.2 Previous Investigations. This information would appear less redundant if all the information associated with previous investigations were located in Section 2.2. For example, the fourth paragraph of Section 2.1.1 mentions "further field screening and sample analyses to support future remediation". This leaves the reader wondering what was gained from that effort, without knowing that a full description of the field activities can be found in Section 2.2.1 on Page 2-8.	Comment accepted. The text will be revised to clarify and differentiate Section 2.1, Site Description and History from Section 2.2, Previous Investigations to alleviate redundancy.
SPECIFIC COMMENTS				
2	Section 2.1.1, 2nd paragraph	2-4	This paragraph describes studies that identify the contaminants within the PM-2A Tanks. Apparently, a lone contaminant-of-concern was later evaluated to be the focus of the surface soils investigation contaminants (Cs-137) for both of the FSP areas (TSF-06B and TSF-26). No explanation is given as to why the other substantial groups of organic or inorganic contaminants or radionuclides were eliminated from further sampling/investigation within this subsequent effort, especially since the surface soil contamination was attributed to transfers of PM-2A	The following is provided for information. The references provided in this text are the OU 1-10 RI/FS and (implied) the OU 1-05 Track 2 investigation. While not specifically stated in either document, it may be that the scope of soil contamination within the TSF-26 site was limited to Cs-137 based upon the results of the 1988 DOE Environmental Survey and the 1993 Track 2 investigation. The tie between soils at TSF-26 site and TSF-06, Area B due to the windblown spread of contamination was not made until 2000, when truck mounted radiological surveys of the TSF-06 site

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			Tanks wastes. Please provide more justification.	were conducted alongside the road, and showed classic windblown deposition patterns. The source of contamination previously attributed to the majority of TSF-06 (not just Area B but also the other areas) in the RI/FS was storage of radioactive-contaminated equipment in the area. Based upon the source of contamination, there was no reason to suspect contamination at TSF-06, Area B from anything other than radiological constituents. Based upon the source of contamination at each site (PM-2A Tank source was the tank contents, TSF-06, Area B source was the radiologically-contaminated equipment), it would be reasonable that non-radiological constituents would be most likely found in the surface soils at TSF-26 from the spilling of liquid waste during the operation of the PM-2A evaporator. However, past sampling events have not shown elevated levels of organic or inorganic constituents at TSF-26 (referring to the 1998 sampling, and the 2000 sampling of the stockpiles and wooden box). The Cs-137 concentrations in the stockpiles and wooden box were substantially higher than those in the surrounding soils. For this reason, one would expect to find the highest organic and inorganic concentrations in the wooden box and stockpiled soil. As stated previously, the concentration of organic and inorganic constituents in those areas was predominantly undetected, slightly

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				above detection levels, or similar to background levels. No prior organic or inorganic characterization has been performed for TSF-06 Area B. As stated previously, based upon the source of contamination for the majority of TSF-06, these constituents were not suspected. Even now that more information is known about the site regarding the contamination source (windblown from TSF-26), there is still no reason to believe that inorganic constituents will be detected above background levels, and likely at extremely low concentrations or undetected for the organic constituents. However, because the source of contamination from TSF-06, Area B is known to originate from PM-2A Tank contents, it is worthwhile to obtain additional chemical and radiological analytical data regarding these constituents for ICDF waste profiling purposes.
3	Section 2.1.1, Figure 2-3	2-5	The Figure illustrates the TSF-06, Area B and TSF-26 project locations. The shading that has been applied to the TSF-26 area appears to be applied to an area east and southeast of what is described later in the text as an "east gate". Please offer an explanation in Section 2.1.2 of this area since it is not clear where it is described.	Comment accepted. The text will be modified to provide an explanation of the "east gate" area in Section 2.1.2. Please also see the resolution to IDEQ Comment #6.
4	Section 2.1.2, second	2-6	The description of the underground piping does not specifically mention whether these lines, when cut and capped during the D & D effort (in 1983) were	Comment accepted. The D&D report (March 1983) states that the piping was deactivated and characterized, leaving the piping in place. Deactivation consisted of

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	paragraph		emptied of all residual waste liquids and flushed. Please clarify if these actions were performed, as later text (Section 4.2.1.1, page 4-3) describes drilling the subsurface in close proximity to these lines. Also, provide a brief description (such as proximity to the pipe ends) as to where the lines were cut and capped.	removing a section of each pipe adjacent to TAN-616 and capping each pipe to prevent liquid leaving or entering TAN-616. In addition, the pipes were cut and capped near the PM-2A area to prevent liquid entering the tanks in the event there is an unidentified line joining either PM-2A feed line. There was no mention of the lines being flushed or drained of any residual waste liquids in the D&D report. When the pipes were cut and capped at the location near TAN-616, a section of each pipe was retained and analyzed. The inside surface was found to be smooth and no debris was available for a determination of isotopic concentration. The radiation field inside each pipe was measured and gamma emitting isotopes were identified. The north pipe section characterization results indicated Beta-Gamma Field (mR/h) at 100; Gamma Activity percentage was 72.6 for Cs-137 and 27.4 for Co-60. The south pipe section indicated Beta-Gamma Field (mR/h) at 60; Gamma Activity percentage was 91.6 for Cs-137, 7.8 for Co-60, and 0.6 for Eu-154. The "north" and "south" pipe sections refer to the two feed lines located next to the TAN-616 building. During D&D, the two pipes were cut and a piece was removed from each for analysis (the pipes were designated north pipe and south pipe to differentiate characterization results). Each pipe end was then capped to prevent possible release of liquids into the soil. The feed lines near PM-2A Tanks were also cut and capped; however, no characterization

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				was conducted at that location. The text will be modified to provide as much description as possible from the 1983 D&D report in this earlier section.
5	Section 2.3.1, 1st paragraph	2-11	The description in the last sentence of the area of contamination should be accompanied by a reference to a figure. As with much of the text in this and preceding Sections, the lack of figures is detrimental to understanding just where the actual AOCs or past actions discussed were located.	Figure 2-3 shows the soil contamination area south of the Turntable (TSF-06, Area B). This figure will be referenced in the text. In addition, Figure 4-1 shows the TSF-06, Area B sample locations.
6	Section 2.3.2, last paragraph	2-11	The text describes the surface soils east of the TSF-26 (PM-2A Tank) area as containing unacceptable levels of Cs-137. Please offer an explanation of the probable cause(s) of this southeast trending swath of contaminated soils and the mechanism for delineating the swath.	It is assumed that this comment refers to the potential contamination area outside the eastern gate of the TSF-26 site. The source or cause of the potential contamination that may exist outside the eastern gate of the TSF-26 site is not known. However, site maps for the TSF-26 site have previously shown this area to be shaded to indicate contamination. In 2000, truck mounted germanium detectors were passed over this area; gamma radiation readings were found to be very low (TSF-06 and TSF-26 Calendar Year 2000 Sampling and Remediation Summary Report, INEEL/EXT-02-1137). Therefore, it is anticipated that sampling will not identify unacceptable levels of Cs-137, but sampling is needed to determine the actual contaminant concentrations.
7	Section 3.1	3-1	Please provide more specificity as to the kind of	The first sentence of the problem statement will be

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			"data" needed as referred to in the first and second sentences of the Problem Statement.	modified to, "Radiological and chemical data." The second sentence of the problem statement will be modified to, "In addition, chemical data to support..."
8	Section 3.9, Table 3-3, TSF-06 PM-2A feed lines Activity; "Data Use" entry	3-9	Please modify the feed lines entry to state, "or can be decontaminated in place if found not to have leaked, to achieve clean closure". The entry occurs on Page 3-11 also.	Comment accepted. The text will be modified to include this statement in both places.
9	Section 4.2, General Observatio n	4-1	The sampling strategy described in this document appears very thorough. However, no mention is made in this FSP of an ambient air monitoring/sampling consideration. Since it has been shown by previous investigations that the prevailing wind direction is from the (generalized) south, it appears that the period of time between the initial surface soil sampling and characterization events for the TSF-06 Area B and TSF-26 Sites and the confirmation sampling events can be significantly influenced by subsequent soil remediation activities associated with these locations. For instance, an area such as TSF-06 Area B (remaining contamination corridor) is initially sampled, soil removed and then the area left open for	The INEEL also believes that one area (TSF-06, Area B) should not be recontaminated after it is cleaned by the windblown spread of contaminants from another area (TSF-26). The INEEL has made efforts to stop the windblown spread of contamination by removing the soil piles from TSF-26. The Cs-137 contamination in the soil piles was greater than an order of magnitude higher than the Cs-137 contamination in soils surrounding the piles. Further, the elevated surface of the piles and unconsolidated nature of the piles was easier to be blown by the wind than the surrounding (much less contaminated) soil. During remediation of both sites, water will be used on the soil to keep dust down, and if necessary, a soil

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			confirmation sampling. The area to the south (TSF-26) is in the process of surface soil remediation, and wind-borne contaminated soil particles are deposited during remediation onto the northerly TSF-06 Area B parcel. It is imperative (or perhaps preferred) that the same wind-borne contamination potential for cleaned areas not be re-infested with contaminated soils. Please advise how this potential will be eliminated vis-a-vis the sampling procedures within this FSP or the chosen TSF site remediation schedule.	fixative could be applied to the surface soil at TSF-26. This will prevent the windblown spread of contamination to TSF-06 Area B. If necessary, air monitoring would be used by RADCON during the remediation. The current existing schedule for TSF-06, Area B remediation is planned to begin in summer 2003 and be completed in 2004. Soil remediation at TSF-26 is also planned for completion in 2004. This schedule for remediation completes site restoration in a short timeframe to limit the potential for windblown spread of contamination. Based upon the above information, no text changes are planned for the FSP.
10	Section 4.2.1.1, 1st bullet, 4th paragraph	4-2	The mention of plastic sheeting below the overburden material is first brought to light in this paragraph. Please explain this "demarcation" element in earlier sections when discussing previous remedial activities.	Comment accepted. The text will be modified where appropriate in earlier sections to include a discussion of the plastic sheeting/overburden.
11	Section 4.2.1.1, all bullets	4-2 and 4-3	The text in each bullet entry would benefit greatly if reference is made to the applicable Figure provided in subsequent pages (4-8 through 4-13).	Comment accepted. The figures will be referenced throughout the document in the applicable areas.
12	Section 4.2.1.1, 2nd bullet	4-2	Please explain the "overburden/native soil interface" as found in the soils beneath the centerline of the ditch.	The overburden/native soil interface was formed when TAN radiological control personnel laid a sheet of yellow plastic over the northern shoulder of Snake

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				Avenue (the southern side of TSF-06 Area B). From previous field investigations conducted in 2000 in the area, the overburden/native interface slopes gradually downward away from the road, indicating that the interface exists in centerline of the ditch. This information will be included in the text.
13	Section 4.2.1.1, 2nd bullet	4-2	Samples to be obtained from the ditch described in this specific sampling area are listed in three distinct zones: 0-12 inches, 12-24 inches, 24-36 inches, and finally, 36-48 inches from the "overburden/native soil interface". Please provide an explanation as to the significance of the 48 inch depth, and why it is felt to be adequate since the drainage ditch typically held radioactively-contaminated decontamination waters and, theoretically, should have acted as a surface-to subsurface discharge point for these liquids.	It is not reasonable to state that the ditch typically held radioactively-contaminated decontamination waters. The investigation of the ditch is based upon verbal information provided by one previous facility person from TAN, and no information was obtained about the frequency of the ditch's use or the concentration of contaminants present in wastewater, if actually discharged. The project intends to fully determine the extent of contamination in the ditch; therefore, the text in this bullet will be modified to indicate that based upon the results of field radiological screening, sampling will continue in 1 foot intervals to the depth where Cs-137 results are below the 23.3 pCi/g FRG. Once the maximum sampling depth is reached for each of the sample locations, the waste profiling samples will be determined based upon the highest levels of Cs-137 (see resolution to IDEQ Comment #14).
14	Section 4.2.1.1,	4-3	The discussion describes having samples "randomly-selected" for completion of waste profile	Comment accepted. The text will be modified to state that all samples will be collected from the areas of

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	2nd bullet, last sentence		development. The previous section, (TSF-06 Area B, native soil inside fenced area) provides a description of choosing samples "purposely-biased toward the locations that yielded the highest radiological field screening results". Please provide an explanation of the different sample selection protocol.	highest field screening radiological activity – a biased approach.
15	Section 4.2.1.1, 1st bullet on page, 3rd sentence	4-3	A description of the previous work performed on these lines that were cut and capped would be helpful in this text area. For instance, if liquids still exist within these lines (previous remediation projects at INEEL in the past have revealed that liquids within buried lines have not always been removed), a higher level of risk exists for releases when this investigation effort drills in close proximity to these pipes. Please provide a brief discussion on whether metal detection devices will be used to definitively locate these buried lines in order to guide the drill rig.	Comment accepted. The D&D report (March 1983) states that the piping was deactivated and characterized, leaving the piping in place. Deactivation consisted of removing a section of each pipe adjacent to TAN-616 and capping each pipe to prevent liquid leaving or entering TAN-616. In addition, the pipes were cut and capped near the PM-2A area to prevent liquid entering the tanks in the event there is an unidentified line joining either PM-2A feed line. There was no mention of the lines being flushed or drained of any residual waste liquids in the D&D report. The text will be modified to provide as much description as possible from the 1983 D&D report in this section. In general, INEEL work control processes always require a subsurface clearance for drilling, which includes the use of ground penetrating radar when warranted. In the case of the feed lines, GPR or other metal detection devices will be used to guide the drill rig.
16	Section	4-3	As mentioned in the previous comment pertaining to	Please see the resolution to IDEQ Comment #13, which

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	4.2.1.1, 2nd bullet on page		the TSF -06 Area B ditch, please provide justification why deeper subsoil samples are not needed during this sampling effort for the northern shoulder and roadbed soils. It is very likely the decontamination waters in the ditch migrated laterally into the shoulder soils, roadbed soils, and subsequently downward as well.	indicates the text will be revised to address potentially deeper investigation of ditch soils, based upon field Cs-137 results. While the potential for significant lateral migration is not considered likely, the text will be revised to indicate that soil will be sampled at step-out locations (horizontally) 1 ft either to the south or north of the ditch (randomly) at the same depth interval as the highest Cs-137 result from the vertical sample results. For example, at one location: Depth 0-12 inches below overburden/native interface, Cs-137 equals 17 pCi/g. Depth 12-24 inches below overburden/native interface, Cs-137 equals 20 pCi/g. Depth 24-36 inches below overburden/native interface, Cs-137 equals 15 pCi/g. Depth 36-48 inches below overburden/native interface, Cs-137 equals 50 pCi/g (triggers deeper sampling). Depth 48-60 inches below overburden/native interface, Cs-137 equals 10 pCi/g (vertical sampling stops). Step out sample collected either 1 ft to the south or 1 ft to the north of the ditch (alternate for each sample location) at the same depth bgs (regardless of overburden/native soil interface for the step out location) as the highest result sample, which was 36-48 inches below the overburden/native interface at this example location.
17	Section 4.2.2.1, all	4-4	As mentioned in a comment for Section 4.1.1, the text would be augmented greatly by the reference to the	Comment accepted. The figures will be referenced throughout the document in the applicable areas.

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	bullets		applicable Figure for the sampling area discussed.	
18	Section 4.2.2.1, 1st bullet, 2nd paragraph, 1st sentence	4-4	Please provide an explanation of the history and purpose of this ditch. This paragraph is the first time this ditch is mentioned in the text and the reader is not informed (unlike the ditch on the northern edge of Snake Avenue) of its function today and in the past.	Little information is available about the history and purpose of the TSF-26 ditch. The Track 2 report refers to it as a 20 × 40 ft open trench, located east of the tank basin area. A radiation survey was conducted in 1993 along the bottom of the ditch and radiation measurements were collected every 10 ft (distance of 40 ft). Background radiation in the vicinity of the ditch ranged from 120 to 160 cpm; radioactive contamination detected within the ditch ranged from 8 to 840. Two areas of concern were the west end of the ditch just southwest of the TSF-26 tank basin and the east end of the ditch. The west end had historically received surface water flow from a north-south trending ditch (observed in historical photographs). The Track 2 report stated that the observed levels of radiation in the east end of the ditch may have been the result of residual contamination from D&D activities in the 1980s. Mobile radiation surveys indicated variable readings from 0.56 to .05 mR/hr along the length of the ditch. Subsequent shallow subsurface boring, field screening and sampling were conducted in the west end of the ditch. In summary, the field screening data detected no alpha radiation, no VOCs above action limits, no mercury, no beta/gamma activity greater than 100 cab. Sample results collected from 0-5 ft bgs did not indicate that VOCs, SVOCs, PCBs or radionuclides were present

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				in the subsurface at a risk greater than 10-6 for any pathways. No staining was observed within the soil and all subsurface sample material was returned to the borehole. This information will be included in the text.
19	Section 4.2.2.1, 3rd bullet, 1st and 3rd through 5th paragraphs	4-4	Please briefly describe how the samples will be procured from underneath the tank cradle, as mentioned in the first paragraph. This is significant in light of the sampling that may be required under the Voluntary Consent Order (VCO). The third through fifth paragraphs of this section describe sampling in and around the tank cradle, in part as stated, to "determine whether the PM-2A Tanks concrete cradle has leaked...". However, a determination has to be made as to the adequacy of this effort as leakage that has occurred in the center of the PM-2A Tanks area would not be detected on the outer edge of the cradle unless the soils are very fine grained thus conveying liquids laterally for some distance. This can only be subjectively verified at best, and any sampling that is stated to verify presence or absence of leakage beneath the PM-2A Tanks is suspect without removal of the cradle, or drilling through the cradle to the soils underlying the cradle. Please discuss.	The samples planned in this FSP are in the cradle bedding material and in the soil alongside the cradles (at an elevation beneath the cradles). The first paragraph will be revised so that "underneath the cradles" is removed to avoid confusion. Per email clarification from Clyde Cody on 1/23/2003, "sampling that may be required under the VCO" was actually meant to refer to sampling that may be required as a part of a "closure plan". Two other drilling concepts were considered for this FSP: 1. Directional drilling to obtain samples that are located in the center of the PM-2A Tank footprint. This option was not selected because of the lack of control associated with direction drilling. Basalt is located very near to the base of the cradles and further complicates any directional drilling attempt. 2. Drill through the cradles to the soil underneath the cradle to assess the potential for contamination beneath the cradles. This option was not selected because it was not believed that the core through the cradle could be

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				adequately sealed to prevent contaminants from the bedding material or other moisture from underneath the tank from migrating underneath the cradle following sampling. For the reasons described above, the two alternative drilling concepts were not selected. Instead, the sampling plan described in this document was selected. It is understood that clean closure of the PM-2A Tanks may not be sufficiently demonstrated by the data obtained from this sampling. Further, it is anticipated that the Group 3 RD/RA Work Plan will include confirmation sampling, likely by coring through the concrete cradles after the sampling results from the bedding material are received and after tank content removal. However, as indicated in the IDEQ email from Clyde Cody on 1/23/2003, confirmation sampling underneath the concrete cradles may not be required if pre-remediation sampling (that described in this FSP) reveals no contamination in the granular bedding material beneath the tanks. The sampling described in this FSP will provide valuable information to support the Group 3 RD/RA Work Plan; for example, whether clean closure can be achieved by only removing tank contents or whether the bedding material is contaminated above risk based levels, or whether the soil alongside the cradles is

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				contaminated above risk based levels. This information is needed to understand the full scope of the remedial action and to develop budget estimates for clean closure.
20	Section 4.2.3, Figure 4-1	4-8	The Legend for this Figure did not print-out or reproduce. Please check for the anomaly throughout the FSP copy distribution.	Comment accepted. Apparently there was a problem with the color printing out adequately in the legend - the figure will be corrected.
21	Section 4.2.3, Figure 4-2	4-9	Suggest that at a minimum, all of the feed line joints and 900s be selectively sampled (as learned from the RBCA Program), since these locations are the most likely to have failed. It is unclear if this approach has been incorporated into the Figure. Also, please discuss, if known, the plans for sampling the length of the line (to the TAN-616 Bldg.) which is still a considerable length of pipe not shown on this figure.	The sampling approach for the feed line sampling was chosen based upon the 1983 D&D report feed line plot and photographs showing locations where pipes were cut, a piece removed, and capped; and locations of elbow joints and anchor points. Additionally, the elbow joints were welded not flanged, so there is no reason to believe these joints failed. The text will be modified to provide more information about the sampling approach. Per a conversation with the OU 1-10 RD/RA Project Manager, Jim Bruce, the sampling approach for the VCO portion of this line (between TAN-616 and the cut and cap at TSF-06 Area B) is included in another closure action and not covered under this remedial action plan.
22	Section 4.2.3, Figure 4-3	4-10	No color appears in this Figure and the Legend is missing an entry for the "PM-2A Tanks" location in the Legend box (oblique lines?).	Comment accepted. Apparently there was a problem with the color printing out adequately in the legend. The figure will be corrected to include more definition in the legend for the PM-2A Tanks.
23	Section	4-12	Please check Legend box for "PM-2A Tanks" entry.	Comment accepted. Apparently there was a problem

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	4.2.3, Figure 4-5			with the color printing out adequately in the legend. This figure will be corrected to include definition in the legend for the PM-2A Tanks.
24	Section 4.2.3, Figure 4-6	4-13	Please check Legend box for "Roads and Buildings" and "PM-2A Tanks".	Comment accepted. Apparently there was a problem with the color printing out adequately in the legend. The figure will be corrected to include more definition in the legend.
25	Section 6.1.6, 1st paragraph	6-3	The document referenced within the text, (Sampling and Analysis Process for CERCLA and D &D & D Activities) is not attached to this FSP. It is suggested the document be made an Attachment for quick reference by the FSP users.	It is agreed that the referenced document is useful to the FSP users (i.e., samplers). The referenced document is an INEEL document, which, along with many other INEEL documents listed in the reference list (e.g., MCP-3475, TPR-4908, TPR-4910, TPR-4913), provide pertinent information to FSP users. Because there are so many documents that apply to sampling, it is standard practice for INEEL sampling projects to have these documents in the field files for quick reference during field activities rather than having them as appendices to the FSP. For this reason, the suggested document is not attached to the FSP.

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26	Section 6.2.2, last paragraph	6-4	The statement is made that containers that are used to store waste or sampling equipment be in a "like-new" condition. The procedure and responsibility of evaluating this condition is important since the containment of liquid waste for long periods of time challenges the integrity of some containers (carbon steel). Please briefly describe how this is determined.	Containers used to store and/or transport hazardous waste must meet the requirements as specified in 40 CFR 264, Subpart 1. In addition, the document "INEEL Reusable Property, Recyclable Materials, and Waste Acceptance Criteria (DOE/ID-10381) referred to as the RRWAC, contains details concerning packaging and container condition requirements that must be followed. Waste Generator Services will be consulted to ensure the packaging is acceptable to the receiving facility. This additional information will be included in the text.
27	Section 7.1.2.2, bullets	7-2	Please consider adding a bullet for the sampling day's weather entries.	Comment accepted. The text will be modified to include a bullet for sampling day's weather entry.