Appendix E.2

Field Sample Data Sheets, Survey Unit 3

MACTEC

MACTEC Development Corp.
751 Horizon Ct. Suite 104
Grand Junction, CO 81506
Phone 970.243.2861
Fax 970.256.7356

FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/28/07 **Time Collected** (24 hour): 1050
Core ID #: 0034	**Core Segment ID #:** AX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample: ☐ Full Suite Radiological: ☑

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (QRISS)	Alpha Spectroscopy (QRISS)	Pu-241 by Liquid Scint (QRISS)	Tc-99 by Liquid Scint (QRISS)	PCBs Aroclor 1254 (Paragon)	SW846 8081C (Paragon) Organic Pesticides	SW846 8270C (Paragon) Semi Volatile Organics	SW846 8260B (Paragon) VOCs by Tuna Comp	SW846 7196A (Paragon) Hexavalent Chromium	SW846 7471A (Paragon) Total Mercury		Sample Preservation (Check If YES)
Core #	Segment #	Sample #																			
0034	AX	XA	1	✓	✓	✓	✓	✓													
0034	AX	XF	1						✓												✓
0034	AX	XQ	1						✓												✓

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Field Sampler: Art Samiljan / (Print and Sign) **Date:** 09/28/07

NFS File Classification: DCM-23-05-02

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/28/07 **Time Collected** (24 hour): 1056
Core ID #: 0034	**Core Segment ID #:** BX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services **Project Name:** Subsurface Characterization and FSS **Project Mgr:** Jeffrey Lively **Project No:** 9120071235

SWMU Sample ☐ | Full Suite Radiological: ☐

Regulatory Confirmation Sample ☐ | Gamma Only ☐ | Full Suite ☐ Y

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (GRISE)	Am, Pu, U, Th Alpha Spectroscopy (GRISE)	Sr-90 by Liquid Scint (GRISE)	Tc-99 by Liquid Scint (GRISE)	[illegible] (Paragon)	[illegible] (Paragon)	[illegible] (Paragon)	[illegible] (Paragon)	[illegible] (Paragon)	[illegible] (Paragon)	[illegible] (Paragon)	[illegible]	Sample Preservation (Check if YES)
Core #	Segment #	Sample #																				
0034	BX	XA	1	✓	✓																	

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/28/07 **Time Collected** (24 hour): 1106
Core ID #: 0034	**Core Segment ID #:** CX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample: ☐ Full-Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	PCBs (Aroclors 1254 & Paragon)	SW-846 8260C (Paragon): Arsenic, Barium	SW-846 8270C (Paragon): Semi-Volatile Organics	SW-846 8260B (Paragon): VOCs by Gas Chromatography	SW-846 7196A (Paragon): Hexavalent Chromium	SW-846 7471A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0034	CX	XA	1	✓	✓																

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/28/07 **Time Collected** (24 hour): 1118
Core ID #: 0034	**Core Segment ID #:** DX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample ☐ Full-Suite Radiological: ☐

Regulatory Confirmation Samples ☐ Gamma Only ☐ Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Pu-241 by Liquid Scin (ORSE)	Tc-99 by Liquid Scin (ORSE)	PCBs (Paragon)	SW8081 OC (Paragon): Aroclor, Pesticides	SW8260 (Paragon): Semi-volatile Organics	SW8270 (Paragon): Volatile Organics	SW8015 DRO (Paragon): Diesel Range Organics	SW8015 GRO (Paragon): Gasoline Range Organics	SW6010 (Paragon): Metals		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																				
0034	DX	XA	1	✓	✓																	

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/28/07 **Time Collected** (24 hour): 1124
Core ID #: 0034	**Core Segment ID #:** EX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services **Project Name:** Subsurface Characterization and FSS **Project Mgr:** Jeffrey Lively **Project No:** 9120071235

SWMU Sample: ☐ Full Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Fe-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Ra-226 by Liquid Scint (ORISE)	Sr-90 by Liquid Scint (ORISE)	PCBs (Paragon)	SW846 8081C (Paragon): Aroclor (PCB)	SW846 8270C (Paragon): Semi-Volatile Organics	SW846 8260B (Paragon): Volatile Organics	SW846 6010B (Paragon): Total Metals	SW846 7196A (Paragon): Hexavalent Chromium	SW846 7470A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																				
0034	EX	XA	1	✓	✓																	

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/28/07 **Time Collected** (24 hour): 1128
Core ID #: 0034	**Core Segment ID #:** FX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services **Project Name:** Subsurface Characterization and FSS **Project Mgr:** Jeffrey Lively **Project No:** 9120071235

SWMU Sample: ☐ Full Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	RCRA Metals (Paragon)	SW846 Metals (Paragon): Arsenic, Beryllium	SW846 Metals (Paragon): Silver, Vanadium	SW846 Metals (Paragon): Vanadium, Chromium	SW846 Metals (Paragon): Vanadium, Chromium	SW846 Metals (Paragon): Heavy Metals		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0034	FX	XA	1	✓	✓																

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/28/07 **Time Collected** (24 hour): 1130
Core ID #: 0034	**Core Segment ID #:** 6X

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services **Project Name:** Subsurface Characterization and FSS **Project Mgr:** Jeffrey Lively **Project No:** 9120071235

SWMU Sample: ☐ Full-Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	RCRA Acid Digest (Paragon)	SW 846 8010C (Paragon): Arsenic, Barium	SW 846 8270C (Paragon): Semi-Volatile Organics	SW 846 8260B (Paragon): Volatile Organics	SW 846 7196 (Paragon): Hexavalent Chromium	SW 846 7470A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0034	6X	XA	1	✓	✓																

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/28/07 **Time Collected** (24 hour): 1134
Core ID #: 0034	**Core Segment ID #:** HX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sampler ☐ Full Suite Radiological ☐

Regulatory Confirmation Sample ☐ Gamma Only ☐ Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	PCBs (Paragon)	SW846 6010 (Paragon): Barium	SW846 6010 (Paragon): Cadmium	SW846 8270 (Paragon): Semi Volatile Organics	SW846 8260B (Paragon): Volatile Organics	SW846 6010A (Paragon): Chromium	SW846 7470A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																				
0034	HX	XA	1	✓	✓																	

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/28/07 **Time Collected** (24 hour): 1156
Core ID #: 0035	**Core Segment ID #:** AX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services **Project Name:** Subsurface Characterization and FSS **Project Mgr:** Jeffrey Lively **Project No:** 9120071235

SWMU Sample: ☐ Full Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	RCBS Analysis (Paragon)	SW846-6010C (Paragon): Barium, Beryllium	SW846-8270C (Paragon): Semi-Volatile Organics	SW846-8260B (Paragon): VOCs by Terra Core	SW846-7196A (Paragon): Hexavalent Chromium	SW846-7470A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0035	AX	XA	1	✓	✓																

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/28/07 **Time Collected** (24 hour): 1200
Core ID #: 0035	**Core Segment ID #:** BX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services **Project Name:** Subsurface Characterization and FSS **Project Mgr:** Jeffrey Lively **Project No:** 9120071235

SWMU Sample: ☐ Full-Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE)	Pu-241 by Liquid Scint (ORISE)	Gamma Spectroscopy (ORISE)	FGR3 Analysis 1264 (Paragon)	SW846 8260 TOC (Paragon) Arsenic (arsenic)	SW846 6020 (Paragon) Barium (barium)	SW846 6020 (Paragon) Cadmium (cadmium)	SW846 6020 (Paragon) Chromium (chromium)	SW846 7196A (Paragon) Hexavalent chromium	SW846 7471A (Paragon) Mercury (mercury)		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																				
0035	BX	XA	1	✓	✓																	

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/28/07 **Time Collected** (24 hour): 1204
Core ID #: 0035	**Core Segment ID #:** CX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample ☐ Full Suite Radiological: ☑

Regulatory Confirmation Sample ☐ Gamma Only ☐ Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE)	Sr-90 by Liquid Scint (ORISE)	C-99 by Liquid Scint (ORISE)	PCBs (Aroclor 1254) (Paragon)	SW846 8010C (Paragon) Aromatic Volatile Organics	SW846 8270D (Paragon) Semi-Volatile Organics	SW846 8082B (Paragon) Volatile Organics	SW846 7196A (Paragon) Hexavalent Chromium	SW846 7470A (Paragon) Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0035	CX	XA	1	✓	✓	✓	✓	✓													
0035	CX	XF	1						✓												✓
0035	CX	XQ	1						✓												✓

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Field Sampler: Art Samilian / (Print and Sign) **Date:** 09/28/07

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/28/07 **Time Collected** (24 hour): 1206
Core ID #: 0035	**Core Segment ID #:** DX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample: ☐ Full Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	PCBs (Aroclor) by GC (Paragon)	SW846 6010C (Paragon): Barium	SW846 6020 (Paragon): Vanadium	SW846 6020 (Paragon): Vanadium, Total	SW846 6020 (Paragon): Hexavalent Chromium	SW846 7471A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0035	DX	XA	1	✓	✓																

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Field Sampler: Art Samilian / (Print and Sign) **Date:** 09/28/07

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/28/07 **Time Collected** (24 hour): 1210
Core ID #: 0035	**Core Segment ID #:** EX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services **Project Name:** Subsurface Characterization and FSS **Project Mgr:** Jeffrey Lively **Project No:** 9120071235

SWMU Sample ☐ Full Suite Radiological ☐

Regulatory Confirmation Sample ☐ Gamma Only ☐ Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Pb-210 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	Fecs/Acids 25 (Paragon)	SW846 8010 (Paragon): Halogenated Volatile Organics	SW846 8260B (Paragon): Semi-Volatile Organics	SW846 8270 (Paragon): VOCs by Tenax	SW846 7196A (Paragon): Hexavalent Chromium	SW846 7470A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0035	EX	XA	1	✓	✓																

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/28/07 **Time Collected** (24 hour): 1212
Core ID #: 0035	**Core Segment ID #:** FX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample: ☒	Full Suite Radiological: ☐	
Regulatory Confirmation Sample: ☒	Gamma Only: ☒	Full Suite: ☒

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE)	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	PCBs (Paragon)	SW846 8010 (Paragon) Acetone, Benzene	SW846 8270C (Paragon) Semi Volatile Organics	SW846 8260B (Paragon) Volatile Organic Compounds	SW846 6010A (Paragon) Lead, Chromium	SW846 7471A (Paragon) Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0035	FX	XA	1	✓	✓																

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/28/07 **Time Collected** (24 hour): 1214
Core ID #: 0035	**Core Segment ID #:** GX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample: ☐ Full Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number																						
Core #	Segment #	Sample #	NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NES)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	PCBs (Paragon)	SW846 8260 (Paragon): Benzene, Toluene	SW846 8270 (Paragon): Semi-volatile organics	SW846 8260 (Paragon): Volatile organics	SW846 6010 (Paragon): Barium, Cadmium, Chromium	SW846 7470 (Paragon): Mercury		Sample Preservation (Check if YES)
0035	GX	XA	1	✓	✓																

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Field Sampler: Art Samiljan / (Print and Sign) **Date:** 09/28/07

NFS File Classification: DCM-23-05-02

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Fax 970.256.7356

FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/28/07 **Time Collected** (24 hour): 1222
Core ID #: 0035	**Core Segment ID #:** HX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services **Project Name:** Subsurface Characterization and FSS **Project Mgr:** Jeffrey Lively **Project No:** 9120071235

SWMU Sample ☐ Full Suite Radiological: ☐

Regulatory Confirmation Sample ☐ Gamma Only ☐ Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	PCBs/Aroclors (Paragon)	SW846 6010B (Paragon): Barium, Beryllium	SW846 8270C (Paragon): Semi-Volatile Organics	SW846 8260B (Paragon): VOCs by Gas Chromatography	SW846 7196A (Paragon): Chromium (VI)	SW846 7471A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0035	HX	XA	1	✓	✓																

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Field Sampler: Art Samilian / (Print and Sign) **Date:** 09/28/07

NFS File Classification: DCM-23-05-02

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/28/07 **Time Collected** (24 hour): 7226
Core ID #: 0035	**Core Segment ID #:** IX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample: ☐ Full-Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon) Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (CRESS)	Alpha Spectroscopy (CRESS)	Pu-241 by Liquid Scint (CRESS)	Tc-99 by Liquid Scint (CRESS)	PCBs/Aroclor 1254 (Paragon)	SW846 8260C (Paragon) Volatile Organics	SW846 8270C (Paragon) Semi-Volatile Organics	SW846 6010B (Paragon) Metals by ICP-AES	SW846 7196A (Paragon) Hexavalent Chromium	SW846 7470A (Paragon) Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0035	IX	XA	1	✓	✓																

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NFS File Classification: DCM-23-05-02

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/28/07 **Time Collected** (24 hour): 1228
Core ID #: 0035	**Core Segment ID #:** JX

Site:	NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:**	Nuclear Fuel Services
		Project Name:	Subsurface Characterization and FSS
		Project Mgr:	Jeffrey Lively
		Project No:	9120071235

SWMU Sample ☐ Full Suite Radiological ☐

Regulatory Confirmation Sample ☐ Gamma Only ☐ Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (CRISE)	Alpha Spectroscopy (CRISE): Am, Pu, U, Th	Pu-241 by Liquid Scint (CRISE)	Tc-99 by Liquid Scint (CRISE)	RCRA Metals (Paragon)	SW846 6010C (Paragon): Arsenic, Barium	SW846 6020 (Paragon): Cadmium, Chromium, Lead, Selenium, Silver	SW846 8270D (Paragon): Cresols (Cresylic acid)	SW846 8260B (Paragon): Volatile Organics	SW846 7196A (Paragon): Hexavalent Chromium	SW846 7471A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																				
0035	JX	XA	1	✓	✓																	

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Field Sampler: Art Samiljan / [signature] **Date:** 09/28/07
(Print and Sign)

NFS File Classification: OCM-23-05-02

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/28/07 **Time Collected** (24 hour): 0930
Core ID #: 0036	**Core Segment ID #:** AX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample: ☐ Full-Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (GRIEF)	Alpha Spectroscopy (GRIEF): Pu, U, Th	Pu-241 by Liquid Scint (GRIEF)	Sr-90 by Liquid Scint (GRIEF)	PCB (Kodiak)	SW846 8015 (Kodiak): Diesel Range Organics	SW846 8270C (Kodiak): Semi-Volatile Organics	SW846 8260B (Kodiak): Volatile Organics	SW846 7196A (Kodiak): Hexavalent Chromium	SW846 6010B (Kodiak): Total Metals		Sample Preservation (Check If YES)
Core #	Segment #	Sample #																			
0036	AX	XA	1	✓	✓																

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Field Sampler: Art Samilian / (Print and Sign) **Date:** 09/28/07

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/28/07 **Time Collected** (24 hour): 0832
Core ID #: 0036	**Core Segment ID #:** BX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample ☐ Full Suite Radiological ☐

Regulatory Confirmation Sample ☐ Gamma Only ☐ Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (GPL)	Alpha Spectroscopy (GPL)	Pu-241 by Liquid Scint (GPL)	Tc-99 by Liquid Scint (GPL)	RCRA Metals (Paragon)	SW846 6010C (Paragon): Aluminum	SW846 8270C (Paragon): 1,3-Dinitrobenzene	SW846 8260B (Paragon): VOCs by Tetra Core	SW846 7196A (Paragon): Hexavalent Chromium	SW846 7470A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0036	BX	XA	1	✓	✓																

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Field Sampler: Art Samiljan / (Print and Sign) **Date:** 09/28/07

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/28/07 **Time Collected** (24 hour): 0934
Core ID #: 0034	**Core Segment ID #:** CX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services **Project Name:** Subsurface Characterization and FSS **Project Mgr:** Jeffrey Lively **Project No:** 9120071235

SWMU Sample ☐ Full Suite Radiological ☐

Regulatory Confirmation Sample ☐ Gamma Only ☐ Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Ra-224 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	PCBs/Aroclors (Paragon)	SW846-8010 (Paragon): Aromatic Benzene	SW846-8270 (Paragon): Semi-Volatile Organics	SW846-8260B (Paragon): VOCs by Extraction	SW846-6010B (Paragon): Heavy Metals Chromium	SW846-7471A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0034	CX	XA	1	✓	✓																

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Field Sampler: Art Samiljan (Print and Sign) **Date:** 09/28/07

NFS File Classification: DCM-23-05-02

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/28/07 · **Time Collected** (24 hour): 0940
Core ID #: 0036	**Core Segment ID #:** DX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample ☐ Full-Suite Radiological: ☐

Regulatory Confirmation Sample ☐ Gamma Only ☐ Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon) Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (CRISE)	Alpha Spectroscopy (CRISE) Am, Pu, U, Th	Sr-90 by LRC Scint (CRISE)	Tc-99 by Liquid Scint (CRISE)	PCBs (Aroclor 2254) (Paragon)	SW846 8010C (Paragon) Volatile Organics	SW846 8270C (Paragon) Semi Volatile Organics	SW846 8260B (Paragon) Volatile Organics	SW846 7196A (Paragon) Hexavalent Chromium	SW846 7470A (Paragon) Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0036	DX	XA	1	✓	✓																

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Field Sampler: Art Samilian / (Print and Sign) **Date:** 09/28/07

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/28/07 **Time Collected** (24 hour): 0946
Core ID #: 0036	**Core Segment ID #:** EX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample ☐ Full Suite Radiological: ☐

Regulatory Confirmation Sample ☐ Gamma Only ☐ Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (GRSD)	Alpha Spectroscopy (GRSD): Am, Pu, U, Th	Pu-241 by Liquid Scint (GRSD)	Tc-99 by Liquid Scint (GRSD)	Fe-55 by Liquid Scint (Paragon)	Fe-55 by Liquid Scint (GRSD)	Sr-90 by Liquid Scint (Paragon)	Sr-90 by Liquid Scint (GRSD)	Sr-90 by Liquid Scint (Paragon)	Sr-90 by Liquid Scint (GRSD)	Sr-90 by Liquid Scint (Paragon)	Sr-90 by Liquid Scint (GRSD)		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																					
0036	EX	XA	1	✓	✓																		

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Field Sampler: Art Samiljan / (Print and Sign) **Date:** 09/28/07

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/28/07 **Time Collected** (24 hour): 0952
Core ID #: 0036	**Core Segment ID #:** FX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample ☐ Full-Suite Radiological: ☐

Regulatory Confirmation Sample ☐ Gamma Only ☐ Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint. (Paragon)	Tc-99 by Liquid Scint. (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE)	Pu-241 by Liquid Scint. (ORISE)	Tc-99 by Liquid Scint. (ORISE)	Total Volatile Organics (Paragon)	SW846 8010C (Paragon) Halogenated Volatile Organics	SW846 8270C (Paragon) Semi-volatile Organics	SW846 8260B (Paragon) Volatile Organics	SW846 7196A (Paragon) Hexavalent Chromium	SW846 6010A (Paragon) Metals		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0036	FX	XA	1	✓	✓																

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/27/07 **Time Collected** (24 hour): 1346
Core ID #: 0037	**Core Segment ID #:** AX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample ☐ Full Suite Radiological: ☐

Regulatory Confirmation Sample ☐ Gamma Only ☐ Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (KIFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE) Am, Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	Sr-90 by Liquid Scint (ORISE)	SW846 6010C (Paragon) Arsenic, Barium, Beryllium	SW846 6010C (Paragon) Cadmium, Chromium, Lead	SW846 6010C (Paragon) Mercury, Selenium, Silver	SW846 6010C (Paragon) Vanadium, Zinc	SW846 7471A (Paragon) Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0037	AX	XA	1	✓	✓																

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Field Sampler: Art Samilian / (Print and Sign) **Date:** 09/27/07

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/27/07 **Time Collected** (24 hour): 1350
Core ID #: 0037	**Core Segment ID #:** BX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample: ☐ Full Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE)	Pb-210 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	RCRA Analytes (Paragon)	SW-846 6010C (Paragon): Arsenic, Barium, Cadmium	SW-846 8270C (Paragon): Semi-Volatile Organics	SW-846 8260B (Paragon): VOCs by Long Core	SW-846 7196A (Paragon): Hexavalent Chromium	SW-846 7470A (Paragon): Mercury		Sample Preservation (Check If YES)
Core #	Segment #	Sample #																			
0037	BX	XA	1	✓	✓																

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Field Sampler: Art Samiljan / (Print and Sign) **Date:** 09/27/07

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/27/07 **Time Collected** (24 hour): 1354
Core ID #: 0037	**Core Segment ID #:** CX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services **Project Name:** Subsurface Characterization and FSS **Project Mgr:** Jeffrey Lively **Project No:** 9120071235

SWMU Sample ☐ Full-Suite Radiological: ☑

Regulator Confirmation Sample ☐ Gamma Only ☐ Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NES)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (QASE)	Alpha Spectroscopy (QASE) Am, Pu, U, Th	Pu-241 by Liquid Scint (QASE)	Tc-99 by Liquid Scint (QASE)	PCBs (Aroclor 1254) (Paragon)	SW846 8010C (Paragon) Arsenic, Beryllium	SW846 8270C (Paragon) Semi-Volatile Organics	SW846 8260B (Paragon) VOCs (Volatile Organics)	SW846 7196A (Paragon) Hexavalent Chromium	SW846 7470A (Paragon) Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0037	CX	XA	1	✓	✓	✓	✓	✓													
0037	CX	XF	1						✓												✓
0037	CX	XQ	1						✓												✓

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Field Sampler: Art Samiljan / (Print and Sign) **Date:** 09/27/07

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/27/07 **Time Collected** (24 hour): 1408
Core ID #: 0037	**Core Segment ID #:** DX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample ☐ Full Suite Radiological ☐

Regulatory Confirmation Sample ☐ Gamma Only ☐ Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	PCBs, Aroclor 1254 (Paragon)	SW846 6010C (Paragon): Arsenic, Barium	SW846 8270C (Paragon): Sam, Vanadium, Cobalt	SW846 8260B (Paragon): VOCs	SW846 7196A (Paragon): Hexavalent Chromium	SW846 7471A (Paragon): Mercury		Sample Preservation (Check If YES)
Core #	Segment #	Sample #																			
0037	DX	XA	1	✓	✓																

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Field Sampler: Art Samillan / [signature] **Date:** 09/27/07
(Print and Sign)

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/27/07 **Time Collected** (24 hour): 1504
Core ID #: 0037	**Core Segment ID #:** EX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:**	Nuclear Fuel Services	
	Project Name:	Subsurface Characterization and FSS	
	Project Mgr:	Jeffrey Lively	
	Project No:	9120071235	

SWMU Sample ☐ Full Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, Th, U	Pu-241 by Liquid Scint (ORISE)	Sr-90 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (Paragon)	SW-846 8260B (Paragon) Volatile Organics	SW-846 8270C (Paragon) Semi Volatile Organics	SW-846 8260B (Paragon) Volatile Organics	SW-846 7196A (Paragon) Hexavalent Chromium	SW-846 7470A (Paragon) Mercury		Sample Preservation (Check If YES)
Core #	Segment #	Sample #																			
0037	EX	XA	1	✓	✓																

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Field Sampler: Art Samiljan / (Print and Sign) **Date:** 09/27/07

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/27/07 **Time Collected** (24 hour): 1508
Core ID #: 0037	**Core Segment ID #:** FX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample ☐ Full Suite Radiological ☐

Regulatory Confirmation Sample ☐ Gamma Only ☐ Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	RCRA Metals (Paragon)	SW846 6010C (Paragon): Aluminum, Barium	SW846 8270D (Paragon): Semi-volatile Organics	SW846 8260B (Paragon): VOC-Volatile Organics	SW846 8082A (Paragon): Aroclor	SW846 8151A (Paragon): Herbicides		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0037	FX	XA	1	✓	✓																

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Field Sampler: Art Samiljan (Print and Sign) **Date:** 09/27/07

NFS File Classification: DCM-23-05-02

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MACTEC Development Corp.
751 Horizon Ct. Suite 104
Grand Junction, CO 81506
Phone 970.243.2861
Fax 970.256.7356

FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/27/07 **Time Collected** (24 hour): 1512
Core ID #: 0037	**Core Segment ID #:** GX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample: ☐ Full-Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full-Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	PCBs Aroclor 1254 (Paragon)	SW846 6010C (Paragon): Arsenic, Barium	SW846 8270C (Paragon): Semi-Volatile Organics	SW846 8260B (Paragon): VOCs by Purge and Trap	SW846 7196A (Paragon): Hexavalent Chromium	SW846 7471A (Paragon): Mercury		Sample Preservation (Check If YES)
Core #	Segment #	Sample #																			
0037	GX	XA	1	✓	✓																

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NFS File Classification: DCM-23-05-02

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/27/07 **Time Collected** (24 hour): 1514
Core ID #: 0037	**Core Segment ID #:** HX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample: ☐ Full-Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (QASEL)	Gamma Spectroscopy (QASEL)	Alpha Spectroscopy (QASEL)	Fe-55 by Liquid Scint (QASEL)	Tc-99 by Liquid Scint (QASEL)	PCBs (Aroclor 1254) (Paragon)	SW846 8010C (Paragon) Avg Eng Bdy Dm	SW846 8270C (Paragon) Semi Volatile Organics	SW846 8260B (Paragon) VOCs by Terra Core	SW846 7196A (Paragon) Hexavalent Chromium	SW846 7470A (Paragon) Mercury		Sample Preservation (Check If YES)
Core #	Segment #	Sample #																				
0037	HX	XA	1	✓	✓																	

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Field Sampler: Art Samilian / (Print and Sign) **Date:** 09/27/07

NFS File Classification: DCM-23-05-02

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/27/07 **Time Collected** (24 hour): 1516
Core ID #: 0037	**Core Segment ID #:** IX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample ☐ | Full Suite Radiological ☐

Regulatory Confirmation Sample ☐ | Gamma Only ☐ | Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	PCBs (Paragon)	SW846 8260B (Paragon): VOCs	SW846 8270C (Paragon): Semi-Volatile Organic	SW846 6010B (Paragon): Metals, Barium, Cadmium, Chromium, Lead, Selenium, Silver	SW846 7196A (Paragon): Hexavalent Chromium	SW846 7471A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0037	IX	XA	1	✓	✓																

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NFS File Classification: DCM-23-05-02

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/27/07 **Time Collected** (24 hour): 1519
Core ID #: 0037	**Core Segment ID #:** JX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services **Project Name:** Subsurface Characterization and FSS **Project Mgr:** Jeffrey Lively **Project No:** 9120071235

SWMU Sample ☐ | Full Suite Radiological: ☐

Regulatory Confirmation Sample ☐ | Gamma Only ☐ | Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	PCBs (Aroclor 1254) (Paragon)	SW846 8010C (Paragon) Trans/Cis-1,2-Dichloroethylene	SW846 8270C (Paragon) Semi Volatile Organics	SW846 8260B (Paragon) VOC by Purge and Trap	SW846 7471A (Paragon) Hg by Manual Cold Vapor	SW846 7470A (Paragon) Metals		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0037	JX	XA	1	✓	✓																

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Field Sampler: Art Samiljan / (Print and Sign) **Date:** 09/27/07

NFS File Classification: DCM-23-05-02

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 10/01/07 **Time Collected** (24 hour): 0920
Core ID #: 0038	**Core Segment ID #:** AX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services **Project Name:** Subsurface Characterization and FSS **Project Mgr:** Jeffrey Lively **Project No:** 9120071235

SWMU Sample: ☐ Full-Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	Aroclor 1254 (Paragon)	SW846 8010B (Paragon): Aluminum	SW846 8270C (Paragon): Semi-Volatile Organics	SW846 8260B (Paragon): VOCs (Soil)	SW846 7196A (Paragon): Hexavalent Chromium	SW846 7470A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0038	AX	XA	1	✓	✓																

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Field Sampler: Art Samiljan / (Print and Sign) **Date:** 10/01/07

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 10/01/07 **Time Collected** (24 hour): 0924
Core ID #: 0038	**Core Segment ID #:** BX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample ☐ Full-Suite Radiological: ☐

Regulatory Confirmation Sample ☐ Gamma Only ☐ Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	RCBI Arch. Sr-90 (Paragon)	SW846 8260 GC (Paragon): Benzene, Ethylbenzene, Toluene, Xylene	SW846 8270 GC (Paragon): Semi-Volatile Organics	SW846 8260B (Paragon): VOCs by Purge and Trap	SW846 7196A (Paragon): Hexavalent Chromium	SW846 7471A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0038	BX	XA	1	✓	✓																

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Field Sampler: Art Samillan / (Print and Sign) **Date:** 10/01/07

NFS File Classification: DCM-23-05-02

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 10/01/07 **Time Collected** (24 hour): 0928
Core ID #: 0038	**Core Segment ID #:** CX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services **Project Name:** Subsurface Characterization and FSS **Project Mgr:** Jeffrey Lively **Project No:** 9120071235

ISWMU Sample: ☐ Full-Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, Um	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	PCB's Aroclor 1254 (Paragon)	SW 8260 (Paragon): Arsenic, Barium	SW 8270C (Paragon): Semi-Volatile Organics	SW 6010B (Paragon): Metals by Terra Core	SW 6020 (Paragon): Uranium	SW 7196A (Paragon): Hexavalent Chromium		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0038	CX	XA	1	✓	✓																

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Field Sampler: Art Samiljan / (Print and Sign) **Date:** 10/01/07

NFS File Classification: DCM-23-05-02

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 10/01/07 **Time Collected** (24 hour): 0938
Core ID #: 0038	**Core Segment ID #:** DX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services **Project Name:** Subsurface Characterization and FSS **Project Mgr:** Jeffrey Lively **Project No:** 9120071235

SWMU Sample: ☐ Full-Suite Radiological: ☑

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE)	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	Cs-137 by Alpha Scint (Paragon)	SW 846 8010B (Paragon) Semi-Volatile Organics	SW 846 8270C (Paragon) Semi-Volatile Organics	SW 846 8260B (Paragon) VOCs by Capillary Col.	SW 846 7196A (Paragon) Hexavalent Chromium	SW 846 7470A (Paragon) Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0038	DX	XA	1	✓	✓	✓	✓	✓													
0038	DX	XF							✓												✓
0038	DX	XQ							✓												✓

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Field Sampler: Art Samiljan / (Print and Sign) **Date:** 10/01/07

NFS File Classification: DCM-23-05-02

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 10/01/07 **Time Collected** (24 hour): 0944
Core ID #: 0038	**Core Segment ID #:** EX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample: ☐ Full-Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full-Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	PCB's (Aroclors) (Paragon)	SW846 6010C (Paragon): Arsenic, Barium	SW846 6010C (Paragon): Silver, Cadmium, Chromium	SW846 7060 (Paragon): Vanadium	SW846 7196 (Paragon): Hexavalent Chromium	SW846 7470A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0038	EX	XA	1	✓	✓																

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Field Sampler: Art Samiljan / (Print and Sign) **Date:** 10/01/07

NFS File Classification: DCM-23-05-02

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 10/01/07 **Time Collected** (24 hour): 0950
Core ID #: 0038	**Core Segment ID #:** FX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650		**Client:**	Nuclear Fuel Services
		Project Name:	Subsurface Characterization and FSS
		Project Mgr:	Jeffrey Lively
		Project No:	9120071235

SWMU Sample ☐ Full Suite Radiological: ☐

Regulatory/Confirmation Sample ☐ Gamma Only ☐ Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE) Am, Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	PCB Aroclors by GC/ECD (Paragon)	SW846 8010C (Paragon): Halogenated Volatile Organics	SW846 8270C (Paragon): Semi-Volatile Organics	SW846 8260B (Paragon): VOCs by Terra Core	SW846 8081A (Paragon): Pesticides (Chlorinated)	SW846 7471A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0038	FX	XA	1	✓	✓																

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Field Sampler: Art Samiljan / (Print and Sign) **Date:** 10/01/07

NFS File Classification: DCM-23-05-02

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 10/01/07 **Time Collected** (24 hour): 0954
Core ID #: 0038	**Core Segment ID #:** GX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:**	Nuclear Fuel Services	
	Project Name:	Subsurface Characterization and FSS	
	Project Mgr:	Jeffrey Lively	
	Project No:	9120071235	

SWMU Sample: ☐ Full-Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Sr-90 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	PCBs (Aroclor 1254) (Paragon)	SW846 8260B (Paragon): Acetone, Benzene, Bromodichloromethane, Bromoform, Bromomethane, 2-Butanone, Carbon Disulfide, Carbon Tetrachloride, Chlorobenzene, Chloroethane, Chloroform, Chloromethane, Dibromochloromethane, 1,1-Dichloroethane, 1,2-Dichloroethane, 1,1-Dichloroethene, 1,2-Dichloroethene (total), 1,2-Dichloropropane, Ethylbenzene, 2-Hexanone, Methylene Chloride, 4-Methyl-2-Pentanone, Styrene, 1,1,2,2-Tetrachloroethane, Tetrachloroethene, Toluene, 1,1,1-Trichloroethane, 1,1,2-Trichloroethane, Trichloroethene, Vinyl Acetate, Vinyl Chloride, Xylenes (total)	SW846 8270C (Paragon): Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(g,h,i)perylene, Benzo(a)pyrene, Bis(2-ethylhexyl)phthalate, Butylbenzylphthalate, Carbazole, Chrysene, Dibenzo(a,h)anthracene, Dibenzofuran, Di-n-butylphthalate, Di-n-octylphthalate, Fluoranthene, Fluorene, Hexachlorobenzene, Hexachlorobutadiene, Hexachlorocyclopentadiene, Hexachloroethane, Indeno(1,2,3-cd)pyrene, Isophorone, Naphthalene, Nitrobenzene, Phenanthrene, Pyrene, Pyridine	SW846 8270C (Paragon): 2-Methylnaphthalene, 2-Methylphenol, 4-Methylphenol, Phenol	SW846 8270C (Paragon): Benzoic Acid, Benzyl Alcohol, Dibenzofuran, 2,4-Dichlorophenol, 2,4-Dimethylphenol, 2,4-Dinitrophenol, 2-Nitrophenol, 4-Nitrophenol, Pentachlorophenol, Phenol, 2,4,6-Trichlorophenol		Sample Preservation (Check If YES)
Core #	Segment #	Sample #																				
0038	GX	XA	1	✓	✓																	

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Field Sampler: Art Samillan / (Print and Sign) **Date:** 10/01/07

NFS File Classification: DCM-23-05-02

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 10/01/07 **Time Collected** (24 hour): 1000
Core ID #: 0038	**Core Segment ID #:** HX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample ☐ Full-Suite Radiological: ☐

Regulatory Confirmation Sample ☐ Gamma Only ☐ Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	Pb-210 (Paragon)	SW846 6010C (Paragon): Metals, Boron	SW846 8270C (Paragon): Semi Volatile Organics	SW846 8260B (Paragon): Volatile Organics	SW846 7196A (Paragon): Hexavalent Chromium	SW846 7470A (Paragon): Mercury		Sample Preservation (Check If YES)
Core #	Segment #	Sample #																			
0038	HX	XA	1	✓	✓																

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Field Sampler: Art Samiljan / (Print and Sign) **Date:** 10/01/07

NFS File Classification: DCM-23-05-02

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 10/01/07 **Time Collected** (24 hour): 1022
Core ID #: 0039	**Core Segment ID #:** AX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample: ☐ Full Suite Radiological: ☑

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Ra-226 by Liquid Scint (ORISE)	Sr-90 by Liquid Scint (ORISE)	Fe, Mn, Al, Zn (Paragon)	SW846 6010C (Paragon): Arsenic, Beryllium	SW846 8270C (Paragon): Semi Volatile Organics	SW846 8260B (Paragon): VOCs by Term Core	SW846 7196A (Paragon): Hexavalent Chromium	SW846 7470A (Paragon): Mercury		Sample Preservation (Check If YES)
Core #	Segment #	Sample #																			
0039	AX	XA	1	✓	✓	✓	✓	✓													
0039	AX	XF	1						✓												✓
0039	AX	XQ	1						✓												✓

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Field Sampler: Art Samiljan / (Print and Sign) **Date:** 10/01/07

NFS File Classification: DCM-23-05-02

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Fax 970.256.7356

FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 10/01/07 **Time Collected** (24 hour): 1030
Core ID #: 0039	**Core Segment ID #:** BX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample: ☐	Full Suite Radiological: ☒
Regulatory Confirmation Sample: ☐	Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	PCBs (Paragon)	PCBs (Paragon): Aroclor 1254, 1260, 1262, 1268	SW846 6010B (Paragon): Ag, As, Ba, Be, Cd, Cr, Cu, Hg, Mo, Ni, Pb, Sb, Se, Tl, Zn	SW846 8270C (Paragon): Semi-Volatile Organics	SW846 8260B (Paragon): Volatile Organics	SW846 7196A (Paragon): Hexavalent Chromium	SW846 7470A (Paragon): Mercury		Sample Preservation (Check If YES)
Core #	Segment #	Sample #																				
0039	BX	XA	1	✓	✓																	

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 10/01/07 **Time Collected** (24 hour): 1034
Core ID #: 0039	**Core Segment ID #:** CX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services **Project Name:** Subsurface Characterization and FSS **Project Mgr:** Jeffrey Lively **Project No:** 9120071235

SWMU Sample ☐ | Full Suite Radiological: ☐

Regulatory Confirmation Sample ☐ | Gamma Only ☐ | Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (QRISE)	Alpha Spectroscopy (QRISE)	Pu-241 by Liquid Scint (QRISE)	Tc-99 by Liquid Scint (QRISE)	PCBs (Paragon)	SW846 8260C (Paragon): Arsenic, Beryllium	SW846 8270C (Paragon): Semi-Volatile Organics	SW846 8260B (Paragon): VOCs by Term Gas	SW846 7196A (Paragon): Hexavalent Chromium	SW846 7471A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0039	CX	XA	1	✓	✓																

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 10/01/07 **Time Collected** (24 hour): 1044
Core ID #: 0039	**Core Segment ID #:** DX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample: ☐ Full Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	EPA 6010C (Paragon): Arsenic, Barium	SW846 6010C (Paragon): Beryllium	SW846 6020 (Paragon): Semi-volatile Compounds	SW846 8260B (Paragon): VOCs	SW846 8270C (Paragon): Cadmium	SW846 7000A (Paragon): Chromium	SW846 7470A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																				
0039	DX	XA	1	✓	✓																	

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 10/01/07 **Time Collected** (24 hour): 1046
Core ID #: 0039	**Core Segment ID #:** EX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample: ☐ Full Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (QA/SE)	Alpha Spectroscopy (QA/SE): Am, Pu, U, Th	Pu-241 by Liquid Scint (QA/SE)	Tc-99 by Liquid Scint (QA/SE)	RCRA Actinides (Paragon)	SW846 8010C (Paragon): Aromatic Benzene	SW846 8270C (Paragon): Semi Volatile Organics	SW846 8260B (Paragon): VOC by Lang Scan	SW846 7196A (Paragon): Hexavalent Chromium	SW846 7470A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0039	EX	XA	1	✓	✓																

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 10/01/07 **Time Collected** (24 hour): 1050
Core ID #: 0039	**Core Segment ID #:** FX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample ☐ Full Suite Radiological ☐

Regulatory Confirmation Sample ☐ Gamma Only ☐ Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon) Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE) Am, Pu, U, Th	Sr-90 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	Pb-210 by Alpha Spectroscopy (Paragon)	SW846 6010C (Paragon) Ba, Be, Cd, Cr, Pb, Ni, Se, Ag, Tl, Zn	SW846 8270D (Paragon) Semi-Volatile Organics	SW846 8260B (Paragon) Volatile Organics	SW846 7196A (Paragon) Hexavalent Chromium	SW846 7470A (Paragon) Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0039	FX	XA	1	✓	✓																

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 10/01/07 **Time Collected** (24 hour): 1100
Core ID #: 0039	**Core Segment ID #:** GX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample: ☐ Full Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Ra-226 by Liquid Scint (ORISE)	Sr-90 by Liquid Scint (ORISE)	RCRA Arsenic (Paragon)	RCRA Barium (Paragon)	SW 8260B (Paragon): Semi-volatile Organics	SW 8270C (Paragon): Semi-volatile Organics	SW 8260B (Paragon): VOC - by Terra Core	SW 8270C (Paragon): Hexavalent Chromium	SW 8151A (Paragon): MECP		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																				
0039	GX	XA	1	✓	✓																	

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 10/01/07 **Time Collected** (24 hour): 1104
Core ID #: 0039	**Core Segment ID #:** HX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample: ☐ Full Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectrometry (ORISE): Am/Pu, U, Th	Sr-90 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	Cs-137 by Alpha/Beta (Paragon)	SW846 6010C (Paragon): Aluminum, Beryllium	SW846 6020B (Paragon): Antimony, Cadmium, Chromium, Lead, Nickel, Selenium, Thallium, Vanadium, Zinc	SW846 8270C (Paragon): Semi-Volatile Organics	SW846 8260B (Paragon): VOCs by Purge & Trap	SW846 7196A (Paragon): Hexavalent Chromium	SW846 7471A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																				
0039	HX	XA	1	✓	✓																	

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 10/01/07 **Time Collected** (24 hour): 1106
Core ID #: 0039	**Core Segment ID #:** IX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample ☐ Full-Suite Radiological: ☐

Regulatory Confirmation Sample ☐ Gamma Only ☐ Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE)	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	PCBs Aroclor 1254 (Paragon)	SVOCs 8270D (Paragon) Arsenic, Beryllium	SVOCs 8270C (Paragon) Barium, Cadmium, Chromium	SVOCs 8260B (Paragon) VOCs by Purge & Trap	SVOCs 8260B (Paragon) Hexavalent Chromium	SVOCs 7471A (Paragon) Mercury		Sample Preservation (Check If YES)
Core #	Segment #	Sample #																			
0039	IX	XA	1	✓	✓																

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 10/01/07 **Time Collected** (24 hour): 1110
Core ID #: 0039	**Core Segment ID #:** JX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650		**Client:**	Nuclear Fuel Services
		Project Name:	Subsurface Characterization and FSS
		Project Mgr:	Jeffrey Lively
		Project No:	9120071235

SWMU Sample: ☐ Full Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Sr-90 by Liquid Scint (ORISE)	SW846 6010C (Paragon): Aluminum	SW846 6010C (Paragon): Arsenic, Beryllium	SW846 6010C (Paragon): Barium, Cadmium, Chromium, Lead, Mercury, Selenium, Silver	SW846 6020A (Paragon): Antimony, Cobalt, Molybdenum, Nickel, Thallium, Vanadium, Zinc	SW846 6020A (Paragon): Vanadium		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																		
0039	JX	XA	1	✓	✓															

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/28/07 **Time Collected** (24 hour): 0816
Core ID #: 0040	**Core Segment ID #:** AX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services **Project Name:** Subsurface Characterization and FSS **Project Mgr:** Jeffrey Lively **Project No:** 9120071235

SWMU Sample ☐ | Full Suite Radiological ☐

Regulator Confirmation Sample ☐ | Gamma Only ☐ | Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint. (Paragon)	Tc-99 by Liquid Scint. (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Sr-90 by Liquid Scint. (ORISE)	Sr-90 by Liquid Scint. (ORISE)	Sr-90 by Liquid Scint. (ORISE)	Sr-90 by Liquid Scint. (Paragon)	SW846 6010B (Paragon): Arsenic, Beryllium	SW846 6020B (Paragon): Barium, Vanadium, Zinc	SW846 8260B (Paragon): VOCs by Term. Conc.	SW846 7196A (Paragon): Hexavalent Chromium	SW846 7471A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																					
0040	AX	XA	1	✓	✓																		
0040	AX	XH	1													✓	✓	✓		✓	✓		✓
0040	AX	XG	1																✓				✓

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Field Sampler: Art Samllian / (Print and Sign) **Date:** 09/28/07

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/28/07 **Time Collected** (24 hour): 0820
Core ID #: 0040	**Core Segment ID #:** BX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services **Project Name:** Subsurface Characterization and FSS **Project Mgr:** Jeffrey Lively **Project No:** 9120071235

SWMU Sample: ☑ Full Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	PCBs (Aroclor 1254) (Paragon)	SW846/8010 (Paragon): Arsenic, Beryllium	SW846/8270C (Paragon): Semi-Volatile Organics	SW846 8260B (Paragon): VOCs, Semi-Volatile Organics	SW846/7196A (Paragon): Hexavalent Chromium	SW846/7471A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0040	BX	XA	1	✓	✓																
0040	BX	XH	1											✓	✓	✓	✓	✓			✓
0040	BX	XG	1														✓				✓

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/28/07 **Time Collected** (24 hour): 0830
Core ID #: 0040	**Core Segment ID #:** CX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services **Project Name:** Subsurface Characterization and FSS **Project Mgr:** Jeffrey Lively **Project No:** 9120071235

SWMU Samples ☑ | Full Suite Radiological: ☐

Regulatory Confirmation Sample ☐ | Gamma Only ☐ | Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon) Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE) Am, Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	PCBs (Aroclor 2641) (Paragon)	SW846 8260 (Paragon) Aqueous Volatile Organics	SW846 8270 (Paragon) Semi Volatile Organics	SW846 6010 (Paragon) Metals Cd, Cr, Pb	SW846 9056 (Paragon) Total Chloride	SW846 7470A (Paragon) Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0040	CX	XA	1	✓	✓																
0040	CX	XH	1											✓	✓	✓		✓	✓		✓
0040	CX	XG	1														✓				✓

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Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/28/07 **Time Collected** (24 hour): 0840
Core ID #: 0040	**Core Segment ID #:** DX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample: ☑ | Full Suite Radiological: ☑

Regulatory Confirmation Sample: ☐ | Gamma Only: ☐ | Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	FS Beryllium (Paragon)	SW846 8010 (Paragon): Aceto, Bery, Lith	SW846 8270C (Paragon): Semi Volatile Organics	SW846 8260B (Paragon): VOCs by Tekmar Cores	SW846 7196A (Paragon): Hexavalent Chromium	SW846 7471A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0040	DX	XA	1	✓	✓	✓	✓	✓													
0040	DX	XH	1											✓	✓	✓		✓	✓		✓
0040	DX	XG	1														✓				✓
0040	DX	XF	1						✓												✓
0040	DX	XQ	1						✓												✓

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Field Sampler: Art Samiljan / (Print and Sign) **Date:** 09/28/07

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/28/07 **Time Collected** (24 hour): 0848
Core ID #: 0040	**Core Segment ID #:** EX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample: ☑ Full-Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE) Am, Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	PCBs: Aroclor 1254 (Paragon)	SW846 6010C (Paragon) Arsenic, Beryllium	SW846 8270C (Paragon) Semi-Volatile Organics	SW846 8260B (Paragon) VOCs by Air Toxics	SW846 7196A (Paragon) Hexavalent Chromium	SW846 7471A (Paragon) Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0040	EX	XA	1	✓	✓																
0040	EX	XH	1											✓	✓	✓		✓	✓		✓
0040	EX	XG	1														✓				✓

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NFS File Classification: DCM-23-05-02

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Fax 970.256.7356

FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/28/07 **Time Collected** (24 hour): 0854
Core ID #: 0040	**Core Segment ID #:** FX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample: ☑ Full-Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	Cs-137 (Paragon)	SW 846 6010C (Paragon): Arsenic, Beryllium	SW 846 8270C (Paragon): Semi-Volatile Organics	SW 846 8260B (Paragon): VOCs by Term Core	SW 846 7196A (Paragon): Hexavalent Chromium	SW 846 7470A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0040	FX	XA	1	✓	✓																
0040	FX	XH	1											✓	✓	✓		✓	✓		✓
0040	FX	XG	1														✓				✓

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Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/28/07 **Time Collected** (24 hour): 0900
Core ID #: 0040	**Core Segment ID #:** GX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services **Project Name:** Subsurface Characterization and FSS **Project Mgr:** Jeffrey Lively **Project No:** 9120071235

SWMU Sample: ☑ Full Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon) Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE) Am, Pu, U, Th	Fe-55 by Liquid Scint (ORISE)	Ni-63 by Liquid Scint (ORISE)	PCBs Aroclor 1254 (Paragon)	SW846 8010C (Paragon) Halogenated Volatile Organics	SW846 8270C (Paragon) Semi Volatile Organics	SW846 8260B (Paragon) Volatile Organics	SW846 7196A (Paragon) Hexavalent Chromium	SW846 7470A (Paragon) Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0040	GX	XA	1	✓	✓																
0040	GX	XH	1											✓	✓	✓	✓	✓			✓
0040	GX	XG	1														✓				✓

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/28/07 **Time Collected** (24 hour): 0906
Core ID #: 0040	**Core Segment ID #:** HX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services **Project Name:** Subsurface Characterization and FSS **Project Mgr:** Jeffrey Lively **Project No:** 9120071235

SWMU Sample: ☐ Full Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE)	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	Cs-137 by Alpha (Paragon)	SW-846 8260B (Paragon)	SW-846 8270C (Paragon)	SW-846 8082 (Paragon)	SW-846 7196A (Paragon)	SW-846 7470A (Paragon)		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0040	HX	XA	1	✓	✓																
0040	HX	XH	1											✓	✓	✓		✓	✓		✓
0040	HX	XG	1														✓				✓

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Field Sampler: Art Samillan / (Print and Sign) **Date:** 09/28/07

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/28/07 **Time Collected** (24 hour): 0910
Core ID #: 0040	**Core Segment ID #:** IX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services **Project Name:** Subsurface Characterization and FSS **Project Mgr:** Jeffrey Lively **Project No:** 9120071235

SWMU Sample: ☑ Full Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Ra-226 by Liquid Scint (ORISE)	Sr-90 by Liquid Scint (ORISE)	PCB Aroclors (Paragon)	SW846 8010 GC (Paragon): Carbon Tetrachloride	SW846 8270 GC (Paragon): Semi Volatile Organics	SW846 8260 GC (Paragon): Volatile Organics	SW846 7196A (Paragon): Hexavalent Chromium	SW846 7470A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0040	IX	XA	1	✓	✓																
0040	IX	XH	1											✓	✓	✓		✓	✓		✓
0040	IX	XG	1														✓				✓

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/28/07 **Time Collected** (24 hour): 0914
Core ID #: 0040	**Core Segment ID #:** JX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample ☑ | Full Suite Radiological: ☐

Regulatory Confirmation Sample ☐ | Gamma Only ☐ | Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	PCBs (Aroclor 1254) (Paragon)	SW846 8010B (Paragon): Ethylene Dibromide	SW846 8270C (Paragon): Semi-Volatile Organics	SW846 8260B (Paragon): VOCs by Purge and Trap	SW846 7196A (Paragon): Hexavalent Chromium	SW846 7470A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0040	JX	XA	1	✓	✓																
0040	JX	XH	1											✓	✓	✓		✓	✓		✓
0040	JX	XG	1														✓				✓

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/27/07 **Time Collected** (24 hour): 1132
Core ID #: 0041	**Core Segment ID #:** AX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample ☐ | Full Suite Radiological ☐

Regulatory Confirmation Sample ☐ | Gamma Only ☐ | Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NES)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Ra-226 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	PCBs: Aroclor 1254 (Paragon)	SW846 8010C (Paragon): Arsenic, Beryllium	SW846 8260C/8015C (Paragon): Semi-Volatile Organics	SW846 8260B (Paragon): Volatile Organics	SW846 7196A (Paragon): Hexavalent Chromium	SW846 7470A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0041	AX	XA	1	✓	✓																

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/27/07 **Time Collected** (24 hour): 1136
Core ID #: 0041	**Core Segment ID #:** BX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample ☐ Full Suite Radiological: ☐

Regulatory Confirmation Sample ☐ Gamma Only ☐ Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	PCBs Aroclors (Paragon)	SW846 6010C (Paragon): Beryllium	SW846 8270C (Paragon): Semi Volatile Organics	SW846 8260B (Paragon): VOCs Purge and Trap	SW846 8082A (Paragon): Hexavalent Chromium	SW846 7471A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0041	BX	XA	1	✓	✓																

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FIELD SAMPLE DATA SHEET

1138 AM 09/27/07

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/27/07 **Time Collected** (24 hour): ~~1338~~
Core ID #: 0041	**Core Segment ID #:** CX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services **Project Name:** Subsurface Characterization and FSS **Project Mgr:** Jeffrey Lively **Project No:** 9120071235

SWMU Sample ☐ Full Suite Radiological: ☑

Regulatory Confirmation Sample ☐ Gamma Only ☐ Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	RCRA VOCs (SW-1311/Paragon)	SW 8260B (Paragon): Arsenic, Beryllium	SW 8260B (Paragon): Semi-Volatile Organics	SW 8260B (Paragon): VOCs by Purge Core	SW 8260B (Paragon): Hexavalent Chromium	SW 8260B (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0041	CX	XA	1	✓	✓	✓	✓	✓													
0041	CX	XF							✓												✓
0041	CX	XQ							✓												✓

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/27/07 **Time Collected** (24 hour): 1208
Core ID #: 0041	**Core Segment ID #:** DX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650		**Client:**	Nuclear Fuel Services
		Project Name:	Subsurface Characterization and FSS
		Project Mgr:	Jeffrey Lively
		Project No:	9120071235

SWMU Sample: ☐ Full-Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NES)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	RCRA Volatile Organics (Paragon)	SW846 6010C (Paragon): Arsenic, Barium	SW846 8270C (Paragon): Semi-Volatile Organics	SW846 8260B (Paragon): Volatile Organics	SW846 7196A (Paragon): Hexavalent Chromium	SW846 7471A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0041	DX	XA	1	✓	✓																

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/27/07 **Time Collected** (24 hour): 12 / 2
Core ID #: 0041	**Core Segment ID #:** EX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services **Project Name:** Subsurface Characterization and FSS **Project Mgr:** Jeffrey Lively **Project No:** 9120071235

SWMU Sample: ☐ Full Suite Radiological: ☐

Regulatory Confirmation Sample: ☒ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	PCBs (Method 8082) (Paragon)	SW846 8010C (Paragon): Arsenic, Beryllium	SW846 8270C (Paragon): Benzo(a)pyrene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene	SW846 8260B (Paragon): VOCs by Acetone, Carbon Tetrachloride, Chloroform, Methylene Chloride, Tetrachloroethylene, Trichloroethylene, Vinyl Chloride			Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0041	EX	XA	1	✓	✓																

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/28/07	**Time Collected** (24 hour): 1438
Core ID #: 0042	**Core Segment ID #:** AX	

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:**	Nuclear Fuel Services
	Project Name:	Subsurface Characterization and FSS
	Project Mgr:	Jeffrey Lively
	Project No:	9120071235

SWMU Sample ☐ | Full Suite Radiological ☐

Regulatory Confirmation Sample ☐ | Gamma Only ☐ | Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon) Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE) Am, Pu, U, Th	Tritium by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	Cs-137 by Alpha or Beta (Paragon)	Sr-90 by Alpha or Beta (Paragon)	SW-846 6020 (Paragon) Semi Volatile Organics	SW-846 8270C (Paragon) Volatile Organics	SW-846 8260B (Paragon) TCLP Volatile Organics	SW-846 7470A (Paragon) Mercury	SW-846 7471A (Paragon) Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																				
0042	AX	XA	1	✓	✓																	

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/28/07 **Time Collected** (24 hour): 1442
Core ID #: 0042	**Core Segment ID #:** BX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services **Project Name:** Subsurface Characterization and FSS **Project Mgr:** Jeffrey Lively **Project No:** 9120071235

SWMU Sample ☐ Full Suite Radiological: ☑

Regulatory Confirmation Sample ☐ Gamma Only ☐ Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	RCBS x-ray/Sr-90 (Paragon)	SW846-8010C (Paragon): Aqueous Benzene, Toluene	SW846-8270C (Paragon): Semi Volatile Organics	SW846-8260B (Paragon): VOC by Gas Chromatography	SW846-7196A (Paragon): Hexavalent Chromium	SW846-7471A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0042	BX	XA	1	✓	✓	✓	✓	✓													
0042	BX	XF	1						✓												✓
0042	BX	XQ	1						✓												✓

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Field Sampler: Art Samiljan / (Print and Sign) **Date:** 09/28/07

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/28/07 **Time Collected** (24 hour): 1446
Core ID #: 0042	**Core Segment ID #:** CX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services **Project Name:** Subsurface Characterization and FSS **Project Mgr:** Jeffrey Lively **Project No:** 9120071235

SWMU Sampler ☐ Full Suite Radiological ☐

Regulatory Confirmation Sample ☐ Gamma Only ☐ Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NES)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	PCB (Aroclor 1254) (Paragon)	SW 846 8010C (Paragon): Aqueous Beryllium	SW 846 8270C (Paragon): Semi Volatile Organics	SW 846 8260B (Paragon): VOCs by Term Core	SW 846 7196A (Paragon): Hexavalent Chromium	SW 846 7471A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0042	CX	XA	1	✓	✓																

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Field Sampler: Art Samiljan / (Print and Sign) **Date:** 09/28/07

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/28/07 **Time Collected** (24 hour): 1456
Core ID #: 0042	**Core Segment ID #:** DX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample ☐ Full-Suite Radiological: ☐

Regulatory Confirmation Sample ☐ Gamma Only ☐ Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Ra-226 by Gamma Spectroscopy (ORISE)	Tc-99 by Liquid Scint (ORISE)	PCBs (Aroclors) (Paragon)	SW846 8081C (Paragon) Aroclor Pesticides	SW846 8270C (Paragon) Semi-Volatile Organics	SW846 8015B (Paragon) Volatile Organics	SW846 7196A (Paragon) Hexavalent Chromium	SW846 7471A (Paragon) Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0042	DX	XA	1	✓	✓																

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Field Sampler: Art Samiljan / (Print and Sign) **Date:** 09/28/07

NFS File Classification: DCM-23-05-02

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MACTEC Development Corp.
751 Horizon Ct. Suite 104
Grand Junction, CO 81506
Phone 970.243.2861
Fax 970.256.7356

FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/28/07 **Time Collected** (24 hour): 1500
Core ID #: 0042	**Core Segment ID #:** EX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample ☐ | Full Suite Radiological ☐

Regulatory Confirmation Sample ☐ | Gamma Only ☐ | Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (CBSF)	Alpha Spectroscopy (CBSF)	Pu-241 by Liquid Scint (CBSF)	Tc-99 by Liquid Scint (CBSF)	Fe-55 (Paragon)	SW846/6010B (Paragon) Arsenic Barium	SW846/6010B (Paragon) Semi-Volatile Metals	SW846/8270C (Paragon) Semi-Volatile Organics	SW846/8260B (Paragon) VOCs by Time Chip	SW846/8151A (Paragon) Herbicides Chromium	SW846/7471A (Paragon) Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																				
0042	EX	XA	1	✓	✓																	

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Field Sampler: Art Samiljan / (Print and Sign) **Date:** 09/28/07

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/28/07 **Time Collected** (24 hour): 1504
Core ID #: 0042	**Core Segment ID #:** FX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services **Project Name:** Subsurface Characterization and FSS **Project Mgr:** Jeffrey Lively **Project No:** 9120071235

SWMU Sample: ☐ Full Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only ☐ Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	Ra-226 (Paragon)	Ra-228 (Paragon)	SW846 6010C (Paragon): Ag, Al, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Na, Tl, V, Zn	SW846 6020 (Paragon): Sb, Sn, Tl	SW846 6020B (Paragon): Ag, Al, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Na, Tl, V, Zn	SW846 7196A (Paragon): Hexavalent Chromium	SW846 7470A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																				
0042	FX	XA	1	✓	✓																	

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Field Sampler: Art Samilian / (Print and Sign) **Date:** 09/28/07

NFS File Classification: DCM-23-05-02

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/28/07 **Time Collected** (24 hour): 1506
Core ID #: 0042	**Core Segment ID #:** GX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services **Project Name:** Subsurface Characterization and FSS **Project Mgr:** Jeffrey Lively **Project No:** 9120071235

SWMU Sample: ☐ Full Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon) Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE) Am, Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	PCBs Aroclors (Paragon)	SW846 6010C (Paragon) Arsenic, Barium	SW846 6020C (Paragon) Semi-Volatile Organics	SW846 8270C (Paragon) Semi-Volatile Organics	SW846 8260B (Paragon) Volatile Organics	SW846 7196A (Paragon) Hexavalent Chromium	SW846 7470A (Paragon) Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																				
0042	GX	XA	1	✓	✓																	

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Field Sampler: Art Samiljan / (Print and Sign) **Date:** 09/28/07

NFS File Classification: DCM-23-05-02

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/28/07 **Time Collected** (24 hour): 1508
Core ID #: 0042	**Core Segment ID #:** HX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample ☐ | Full Suite Radiological ☐

Regulatory Confirmation Sample ☐ | Gamma Only ☐ | Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U-Th	Pu-241 by Liquid Scint. (Paragon)	Tc-99 by Liquid Scint. (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Pu-241 by Liquid Scint. (ORISE)	Tc-99 by Liquid Scint. (ORISE)	SW846 8015B (Paragon): Volatile Organics	SW846 8260B (Paragon): Semi-Volatile Organics	SW846 8270C (Paragon): Semi-Volatile Organics	SW846 8081B (Paragon): Pesticides/Herbicides	SW846 8082A (Paragon): Aroclor	SW846 7196A (Paragon): Hexavalent Chromium	SW846 7470A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																				
0042	HX	XA	1	✓	✓																	

Knowingly or willfully falsifying or concealing a material fact on this form, or making false, fictitious or fraudulent statements or representations herein could constitute a felony punishable under Federal Statutes

Field Sampler: Art Samiljan / (Print and Sign) **Date:** 09/28/07

NFS File Classification: DCM-23-05-02

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/27/07 **Time Collected** (24 hour): 1018
Core ID #: 0043	**Core Segment ID #:** AX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample ☐ Full-Suite Radiological: ☑

Regulatory Confirmation Sample ☐ Gamma Only ☐ Full-Suite ☑ 4 6 n 03

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	PCBs: Aroclor 1254 (Paragon)	SW846 8010C (Paragon): Arsenic, Barium	SW846 8270C (Paragon): Semi-Volatile Organics	SW846 8260B (Paragon): VOCs by Terra Core	SW846 7196A (Paragon): Hexavalent Chromium	SW846 7470A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																		
0043	AX	XA	1	✓	✓	✓	✓	✓												
0043	AX	XF	1					✓												✓
0043	AX	XQ	1					✓												✓

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Field Sampler: Art Samiljan / (Print and Sign) **Date:** 09/27/07

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/27/07 **Time Collected** (24 hour): 1022
Core ID #: 0043	**Core Segment ID #:** BX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample ☐ Full-Suite Radiological ☐

Regulatory Confirmation Sample ☐ Gamma Only ☐ Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE)	Actinium (ORISE)	Tc-99 (ORISE)	Sr-90 by Liquid Scint (Paragon)	SW846 8260B (Paragon) VOC	SW846 8270C (Paragon) SemiVOC	SW846 8260B (Paragon) VOC by Tedlar Bag	SW846 8270C (Paragon) SemiVOC by Tedlar Bag	SW846 8270A (Paragon) Chlorinated Pesticides	SW846 8270A (Paragon) Nitrogen Pesticides		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																				
0043	BX	XA	1	✓	✓																	

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Field Sampler: Art Samiljan / (Print and Sign) **Date:** 09/27/07

NFS File Classification: DCM-23-05-02

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/27/07 **Time Collected** (24 hour): 1030
Core ID #: 0043	**Core Segment ID #:** CX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample: ☒ Full-Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon) Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE) Am, Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	RCRA Arsenic (Paragon)	SW846 8010C (Paragon) Arsenic, Beryllium	SW846 8270C (Paragon) Semi Volatile Organics	SW846 8260B (Paragon) VOCs 5/Acre Cells	SW846 7196A (Paragon) Hexavalent Chromium	SW846 7470A (Paragon) Mercury		Sample Preservation (Check If YES)
Core #	Segment #	Sample #																			
0043	CX	XA	1	✓	✓																

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Field Sampler: Art Samiljan / (Print and Sign) **Date:** 09/27/07

NFS File Classification: DCM-23-05-02

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/27/07 **Time Collected** (24 hour): 1034
Core ID #: 0043	**Core Segment ID #:** DX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample ☐ | Full Suite Radiological ☐

Regulatory Confirmation Sample ☐ | Gamma Only ☐ | Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Tc-99 by Liquid Scint (ORISE)	Sr-90 by Liquid Scint (ORISE)	Sr-90 (Paragon)	SW846 8260B (Paragon): Aromatic Gas/Liquid	SW846 8270C (Paragon): Semi-Volatile Organics	SW846 8081B (Paragon): Volatile Organics	SW846 7196A (Paragon): Hexavalent Chromium	SW846 7470A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0043	DX	XA	1	✓	✓																

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Field Sampler: Art Samiljan / (Print and Sign) **Date:** 09/27/07

NFS File Classification: DCM-23-05-02

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/27/07 **Time Collected** (24 hour): 1038
Core ID #: 0043	**Core Segment ID #:** EX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample: ☐ Full-Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	Sr-90 by Alpha Spectroscopy (Paragon)	SW846 6010C (Paragon): Aluminum, Barium	SW846 6010C (Paragon): Semi-Volatile Compounds	SW846 8270C (Paragon): Volatile Organic Compounds	SW846 8260B (Paragon): Pesticides	SW846 8082A (Paragon): Polychlorinated Biphenyls	SW846 7470A (Paragon): Mercury		Sample Preservation (Check If YES)
Core #	Segment #	Sample #																				
0043	EX	XA	1	✓	✓																	

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Field Sampler: Art Samiljan (Print and Sign) **Date:** 09/27/07

NFS File Classification: DCM-23-05-02

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/27/07 **Time Collected** (24 hour): 1040
Core ID #: 0043	**Core Segment ID #:** FX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample: ☐ Full-Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only ☐ Full-Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NES)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Sr-90 by Liquid Scint (ORISE)	I-129 by Liquid Scint (ORISE)	PCBs (Aroclor 1254) (Paragon)	SW846 6010C (Paragon): Arsenic, Barium	SW846 8270C (Paragon): Semi-Volatile Organics	SW846 8260B (Paragon): VOCs by Internal Cole	SW846 7196A (Paragon): Hexavalent Chromium	SW846 7471A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0043	FX	XA	1	✓	✓																

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Field Sampler: Art Samiljan / (Print and Sign) **Date:** 09/27/07

NFS File Classification: DCM-23-05-02

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/27/07 **Time Collected** (24 hour): 1046
Core ID #: 0043	**Core Segment ID #:** GX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample ☐ Yes ☒ No | Full Suite Radiological: ☐

Regulatory Confirmation Sample ☐ Yes ☒ No | Gamma Only ☐ | Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Ra-226 by Liquid Scint (ORISE)	Sr-90 by Liquid Scint (ORISE)	Cs-137 by Gamma Spectroscopy (ORISE)	SW846 6010C (Paragon): Arsenic, Barium	SW846 6010C (Paragon): Silver, Vanadium	SW846 8270C (Paragon): SVOC	SW846 8260B (Paragon): VOC	SW846 7196A (Paragon): Hexavalent Chromium	SW846 7470A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																				
0043	GX	XA	1	✓	✓																	

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Field Sampler: Art Samilian / A. Samilian (Print and Sign) **Date:** 09/27/07

NFS File Classification: DCM-23-05-02

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/27/07 **Time Collected** (24 hour): 1052
Core ID #: 0043	**Core Segment ID #:** HX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services **Project Name:** Subsurface Characterization and FSS **Project Mgr:** Jeffrey Lively **Project No:** 9120071235

SWMU Sample ☐ Full Suite Radiological: ☐

Regulatory Confirmation Sample ☐ Gamma Only ☐ Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (GRISE)	Alpha Spectroscopy (GRISE)	Pu-241 by LSC (GRISE)	Sr-90 by Liquid Scint (GRISE)	Ra-228 by Ingrowth (Paragon)	SVOA 8270D (Paragon)	VOA 8260B (Paragon)	SVOA 8270D (Paragon)	VOA 8260B (Paragon)	Sr-90 by LSC (Paragon)	Sr-90 by Ingrowth (Paragon)		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																				
0043	HX	XA	1	✓	✓																	

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Field Sampler: Art Samiljan / (Print and Sign) **Date:** 09/27/07

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Fax 970.256.7356

FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/27/07 **Time Collected** (24 hour): 1056
Core ID #: 0043	**Core Segment ID #:** IX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample: ☐ Full Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Sr-90 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	Cs-137/Ra-226/Ra-228 (Paragon)	SW846 6010C (Paragon): Arsenic, Barium	SW846 6010C (Paragon): Silver, Cadmium	SW846 6020B (Paragon): Chromium	SW846 6020B (Paragon): Lead	SW846 7471A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0043	IX	XA	1	✓	✓																

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Field Sampler: Art Samiljan / (Print and Sign) **Date:** 09/27/07

NFS File Classification: DCM-23-05-02

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/27/07 **Time Collected** (24 hour): 1100
Core ID #: 0043	**Core Segment ID #:** JX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample ☐ | Full Suite Radiological ☐

Regulatory Confirmation Sample ☐ | Gamma Only ☐ | Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Pb-210 by Liquid Scint (ORISE)	Sr-90 by Liquid Scint (ORISE)	Ra-226 & Ra-228 (Paragon)	SW846 6010C (Paragon): Aluminum, Barium	SW846 6020A (Paragon): Beryllium, Cadmium	SW846 8270C (Paragon): Semi-Volatile Organics	SW846 8260B (Paragon): VOCs by Purge and Trap	SW846 8081B (Paragon): Pesticides/Chlorinated	SW846 7470A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																				
0043	JX	XA	1	✓	✓																	

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NFS File Classification: DCM-23-05-02

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Fax 970.256.7356

FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/26/07 **Time Collected** (24 hour): 1414
Core ID #: 0044	**Core Segment ID #:** AX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services **Project Name:** Subsurface Characterization and FSS **Project Mgr:** Jeffrey Lively **Project No:** 9120071235

SWMU Sample: ☒ Full-Suite Radiological: ☐

Regulatory Confirmation Sample: ☒ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	PCB's Aroclor 1254 (Paragon)	SW846 ion tox (Paragon): Cl, Br, F, NO3, PO4, SO4	SW846 8270C (Paragon): Semi volatile organics	SW846 8260B (Paragon): Volatile organics	SW846 7196A (Paragon): Hexavalent Chromium	SW846 7471A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0044	AX	XA	1	✓	✓																

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/26/07 **Time Collected** (24 hour): 1418
Core ID #: 0044	**Core Segment ID #:** BX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample: ☐ Full-Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (QRISE)	Alpha Spectroscopy (QRISE): Am, Pu, U, Th	Pu-241 by Liquid Scint (QRISE)	Tc-99 by Liquid Scint (QRISE)	RCRA Analysis (Paragon)	SW846 8260B (Paragon): Analyte Library/Unk	SW846 8270C (Paragon): Semi Volatile Organics	SW846 8260B (Paragon): VOCs by Extra Cover	SW846 7196A (Paragon): Hexavalent Chromium	SW846 7470A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0044	BX	XA	1	✓	✓																

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Field Sampler: Art Samiljan / (Print and Sign) **Date:** 09/26/07

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/26/07 **Time Collected** (24 hour): 1420
Core ID #: 0044	**Core Segment ID #:** CX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services **Project Name:** Subsurface Characterization and FSS **Project Mgr:** Jeffrey Lively **Project No:** 9120071235

SWMU Sample ☐ | Full Suite Radiological ☑

Regulatory Confirmation Sample ☐ | Gamma Only ☐ | Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE) Am, Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Sr-90 by Liquid Scint (ORISE)	Ra-226 by Rn-222 (Paragon)	SW846 6010C (Paragon) Aluminum, Barium	SW846 6010C (Paragon) Beryllium, Cadmium	SW846 6010C (Paragon) Chromium, Cobalt	SW846 6010C (Paragon) Copper, Iron	SW846 7196A (Paragon) Hexavalent Chromium	SW846 7471A (Paragon) Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																				
0044	CX	XA	1	✓	✓	✓	✓	✓														
0044	CX	XF	1						✓													✓
0044	CX	XQ	1						✓													✓

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/26/07 **Time Collected** (24 hour): 1426
Core ID #: 0044	**Core Segment ID #:** DX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample ☐ Full-Suite Radiological: ☐

Regulatory Confirmation Sample ☐ Gamma Only: ☐ Full-Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFSI)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	Gen Arch 4125 (Paragon)	SW846 6010C (Paragon): Ag, As, Ba, Be, Cd, Cr, Cu, Ni, Pb, Se, Tl, Zn	SW846 8270C (Paragon): Semivolatile organics	SW846 8260B (Paragon): VOCs, Surface Soils	SW846 7196A (Paragon): Hexavalent Chromium	SW846 7470A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0044	DX	XA	1	✓	✓																

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Field Sampler: Art Samiljan / (Print and Sign) **Date:** 09/26/07

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/26/07 **Time Collected** (24 hour): 1430
Core ID #: 0044	**Core Segment ID #:** EX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample ☐ Full Suite Radiological ☐

Regulatory Confirmation Sample ☐ Gamma Only ☐ Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Pu-241 by LSC (ORISE)	Tc-99 by Liquid Scint (ORISE)	PCBs/Aroclor (Paragon)	SW846 8010 TOC (Paragon): Arsenic, Beryllium	SW846 8270 (Paragon): Semi-Volatile Organics	SW846 8260B (Paragon): VOCs by Term Code	SW846 7196A (Paragon): Hexavalent Chromium	SW846 7470A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0044	EX	XA	1	✓	✓																

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/26/07 **Time Collected** (24 hour): 1434
Core ID #: 0044	**Core Segment ID #:** FX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services **Project Name:** Subsurface Characterization and FSS **Project Mgr:** Jeffrey Lively **Project No:** 9120071235

SWMU Sample: ☐ Full-Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Sr-90 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Am-241 by Gamma Spectroscopy (ORISE)	Pu-241 by Liquid Scint (ORISE)	Sr-90 by Liquid Scint (ORISE)	PCBs (Aroclor 1254) (Paragon)	SVOCs (Paragon): Arsenic, Beryllium, Nickel	SVOCs (Paragon): Semi-Volatile Organics	SVOCs (Paragon): VOCs, Hydrocarbons, Cyanide	SVOCs (Paragon): Mercury	SVOCs (Paragon): Hexavalent Chromium	SVOCs (Paragon): Metals		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																				
0044	FX	XA	1	✓	✓																	

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NFS File Classification: DCM-23-05-02

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/26/07 **Time Collected** (24 hour): 1448
Core ID #: 0044	**Core Segment ID #:** GX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample ☐ | Full Suite Radiological: ☒

Regulatory Confirmation Sample ☐ | Gamma Only ☐ | Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Ra-226 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	PCBs by Aroclor 1254 (Paragon)	SW846/6010 (ICP/Paragon): Arsenic, Beryllium	SW846/6020 (ICP/Paragon): Cadmium, Lead	SW846/8270C (Paragon): Semi-Volatile Organics	SW846/8260B (Paragon): VOCs, Mercury, Barium, Cobalt	SW846/7196A (Paragon): Hexavalent Chromium	SW846/7470A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																				
0044	GX	XA	1	✓	✓																	

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/26/07 **Time Collected** (24 hour): 1450
Core ID #: 0044	**Core Segment ID #:** HX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample ☐ Full Suite Radiological: ☐

Regulatory Confirmation Sample ☐ Gamma Only ☐ Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	Sr-90 by Liquid Scint (Paragon)	SW846 6010C (Paragon): Be, Cd, Cr, Cu, Ni, Pb, Se, Sn, Tl, Zn	SW846 6010C (Paragon): Al, Ba, Be, Ca, Fe, K, Mg, Mn, Na, Sb, Sr, V	SW846 6020 (Paragon): As, Co, Cr, Mo, Ni, Se, Sn, Sr, Tl, V, Zn	SW846 7196A (Paragon): Hexavalent Chromium	SW846 7470A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0044	HX	XA	1	✓	✓																

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/26/07 **Time Collected** (24 hour): 1114
Core ID #: 0045	**Core Segment ID #:** AX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample ☐ | Full Suite Radiological ☐

Regulatory Confirmation Sample ☐ | Gamma Only ☐ | Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (CRISE)	Alpha Spectroscopy (CRISE): Am, Pu, U, Th	Pu-241 by Liquid Scint (CRISE)	Tc-99 by LIQUID SCINT (CRISE)	PCBs (Paragon)	SW846 8081 (Paragon): Aroclor	SW846 8270C (Paragon): Semi-Volatile Organics	SW846 8260B (Paragon): Volatile Organics	SW846 7196A (Paragon): Hexavalent Chromium	SW846 7470A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0045	AX	XA	1	✓	✓																

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Field Sampler: Art Samiljan / (Print and Sign) **Date:** 09/26/07

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/26/07 **Time Collected** (24 hour): 1118
Core ID #: 0045	**Core Segment ID #:** BX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample ☐ | Full Suite Radiological ☐

Regulator/ Confirmation Sample ☐ | Gamma Only ☐ | Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon) Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE) Am, Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	RCRA Organics (Paragon)	SW846 8260 (Paragon) Acetone, Benzene, Carbon Tetrachloride, Chloroform, Methylene Chloride, Tetrachloroethylene, Toluene, Trichloroethylene, Xylenes	SW846 8270C (Paragon) Semi Volatile Organics	SW846 8082 (Paragon) Polychlorinated Biphenyls	SW846 7196A (Paragon) Hexavalent Chromium	SW846 7471A (Paragon) Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0045	BX	XA	1	✓	✓																

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/26/07 **Time Collected** (24 hour): 1120
Core ID #: 0045	**Core Segment ID #:** CX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample ☐ | Full Suite Radiological ☑

Regulatory Confirmation Sample ☐ | Gamma Only ☐ | Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE) Am, Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	PCB (Aroclor 1254) (Paragon)	SW846 8270C (Paragon) Aniline, Beryllium	SW846 8270C (Paragon) Aniline, Cyanide, Cyanuric Acid	SW846 8280B (Paragon) Vanadium, Cesium	SW846 7196A (Paragon) Hexavalent Chromium	SW846 7471A (Paragon) Mercury		Sample Preservation (Check If YES)
Core #	Segment #	Sample #																			
0045	CX	XA	1	✓	✓	✓	✓	✓													
0045	CX	XF	1						✓												✓
0045	CX	XQ	1						✓												✓

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/26/07 **Time Collected** (24 hour): 1126
Core ID #: 0045	**Core Segment ID #:** DX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample ☐ | Full Suite Radiological ☐

Regulatory Confirmation Sample ☐ | Gamma Only ☐ | Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE)	Pb-210 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	PCBs Aroclor-1254 (Paragon)	SVOCs (Paragon): Arsenic, Barium	SVOCs (Paragon): Semi-Volatile Organics	SVOCs (Paragon): VOCs	SVOCs (Paragon): Hexavalent Chromium	SVOCs (Paragon): Mercury		Sample Preservation (Check If YES)
Core #	Segment #	Sample #																			
0045	DX	XA	1	✓	✓																

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Field Sampler: Art Samiljan / (Print and Sign) **Date:** 09/26/07

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/26/07 **Time Collected** (24 hour): 1130
Core ID #: 0045	**Core Segment ID #:** EX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample ☐	Full Suite Radiological ☐
Regulatory Confirmation Sample ☐	Gamma Only ☐ Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon) Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE)	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	Fe, Mg, Kappa, K-40 (Paragon)	SW846 6010C (Paragon) Arsenic, Beryllium	SW846 6020C (Paragon) Barium, Vanadium, Chromium	SW846 6020C (Paragon) Cobalt, Iron, Copper	SW846 7196A (Paragon) Hexavalent Chromium	SW846 7470A (Paragon) Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0045	EX	XA	1	✓	✓																

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Field Sampler: Art Samiljan / (Print and Sign) **Date:** 09/26/07

NFS File Classification: DCM-23-05-02

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/26/07 **Time Collected** (24 hour): 1134
Core ID #: 0045	**Core Segment ID #:** FX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample ☐ | Full-Suite Radiological ☐

Regulatory Confirmation Sample ☐ | Gamma Only ☐ | Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (QASE)	Alpha Spectroscopy (QASE)	Pu-241 by Liquid Scint (QASE)	Tc-99 by Liquid Scint (QASE)	PCBs (Method 8082) (Paragon)	SW846 8260C (Paragon) Acetone, Benzene	SW846 8270C (Paragon) Semivolatile Organics	SW846 8260B (Paragon) Bromomethane, Carbon Tetrachloride	SW846 7196A (Paragon) Hexavalent Chromium	SW846 7470A (Paragon) Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0045	FX	XA	1	✓	✓																

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NFS File Classification: DCM-23-05-02

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Fax 970.256.7356

FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/26/07 **Time Collected** (24 hour): 1136
Core ID #: 0045	**Core Segment ID #:** GX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample: ☐ Full Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Sr-90 by Liquid Scint (Paragon)	Gamma Spectroscopy (CRSE)	Alpha Spectroscopy (CRSE): Am, Pu, U, Th	Pu-241 by Liquid Scint (CRSE)	Sr-90 by Liquid Scint (CRSE)	Fe-55 (Paragon)	Cs-137 (Paragon)	SW846 6010C (Paragon): Arsenic, Beryllium	SW846 8270C (Paragon): Semi Volatile Organics	SW846 8260B (Paragon): Volatile Organics	SW846 6010B (Paragon): Vanadium, Zinc	SW846 6010B (Paragon): Hexavalent Chromium	SW846 7470A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																					
0045	GX	XA	1	✓	✓																		

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/26/07 **Time Collected** (24 hour): 1144
Core ID #: 0045	**Core Segment ID #:** HX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample: ☐ Full-Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint. (Paragon)	Tc-99 by Liquid Scint. (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Po-210 by Liquid Scint. (ORISE)	Tc-99 by Liquid Scint. (ORISE)	PCBs (Aroclor 1254) (Paragon)	SW846 8081B (Paragon): Aldrin, Chlordane, Dieldrin, Endrin	SW846 8270C (Paragon): Semi-Volatile Organics	SW846 6010B (Paragon): Vanadium, Zinc	SW846 7196A (Paragon): Hexavalent Chromium	SW846 7470A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0045	HX	XA	1	✓	✓																

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/26/07 **Time Collected** (24 hour): 1146
Core ID #: 0045	**Core Segment ID #:** IX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample ☐ Full Suite Radiological ☐

Regulatory Confirmation Sample ☐ Gamma Only ☐ Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	RCRA VOCs (286) (Paragon)	SW846 8260B (Paragon): Acrylonitrile, Beryllium	SW846 8270C (Paragon): Semi Volatile Organics	SW846 8260B (Paragon): Volatile Organics	SW846 8270C (Paragon): Volatile Organics by Ultra Cons	SW846 6010B (Paragon): Hexavalent Chromium	SW846 7471A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																				
0045	IX	XA	1	✓	✓																	

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/26/07 **Time Collected** (24 hour): 1148
Core ID #: 0045	**Core Segment ID #:** JX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample ☐ Full Suite Radiological: ☐

Regulatory Confirmation Sample ☐ Gamma Only ☐ Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	PU-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu	Sr-90 by Chem Sep (ORISE)	Cs-137 by Chem Sep (ORISE)	PCB's (Aroclor 1016) (Paragon)	SW846 8010 (Paragon): Aroclor, Benzene	SW846 8270C (Paragon): Benzo(a)Pyrene	SW846 8260B (Paragon): Vocs	SW846 8151A (Paragon): Herbicides	SW846 8270A (Paragon): Semivolatiles		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0045	JX	XA	1	✓	✓																

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/26/07 **Time Collected** (24 hour): 0950
Core ID #: 0046	**Core Segment ID #:** AX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample: ☐ Full-Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE)	Sr-90 by Liquid Scin (ORISE)	Tc-99 by Liquid Scin (ORISE)	RGBE (Avco/125A) (Paragon)	SW846 6010C (Paragon) Arsenic Beryllium	SW846 8270C (Paragon) Semi-Volatile Organics	SW846 8260B (Paragon) VOCs by Terra Core	SW846 6010B (Paragon) Hexavalent Chromium	SW846 7471A (Paragon) Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0046	AX	XA	1	✓	✓																

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/26/07 **Time Collected** (24 hour): 0952
Core ID #: 0046	**Core Segment ID #:** BX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services **Project Name:** Subsurface Characterization and FSS **Project Mgr:** Jeffrey Lively **Project No:** 9120071235

SWMU Sample: ☐ Full-Suite Radiological: ☑

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (CRGES)	Alpha Spectroscopy (CRGES): Am, Pu, U, Th	Pu-241 by Liquid Scint (CRGES)	Tc-99 by Liquid Scint (CRGES)	PCBs (Aroclors) (Paragon)	SW846/8260C (Paragon): Atomic Fibers (vm)	SW846/8270C (Paragon): Semi Volatile Organics	SW846/8260B (Paragon): Volatile Organics	SW846/7196A (Paragon): Hexavalent Chromium	SW846/7471A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0046	BX	XA	1	✓	✓	✓	✓	✓													
0046	BX	XF	1						✓												✓
0046	BX	XQ	1						✓												✓

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Field Sampler: Art Samiljan / (signature) **Date:** 09/26/07
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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/26/07 **Time Collected** (24 hour): 0958
Core ID #: 0046	**Core Segment ID #:** CX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services **Project Name:** Subsurface Characterization and FSS **Project Mgr:** Jeffrey Lively **Project No:** 9120071235

SWMU Sample ☐ | Full-Suite Radiological ☐

Regulatory Confirmation Sample ☐ | Gamma Only ☐ | Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon) Am, Pu, U, Th	Pu-241 by Liquid Scint. (Paragon)	Tc-99 by Liquid Scint. (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE)	Pu241 by Liquid Scint. (ORISE)	Tc99 by Liquid Scint. (ORISE)	PCBs Aroclor 1254 (Paragon)	SW8260B/C (Paragon) Acetone, Methylene Chloride	SW8260B/C (Paragon) Semi Volatile Compounds	SW8270C (Paragon) VOCs by Gas Chromatography	SW8151A (Paragon) Herbicides	SW8082 (Paragon) Pesticides		Sample Preservation (Check If YES)
Core #	Segment #	Sample #																			
0046	CX	XA	1	✓	✓																

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/26/07 **Time Collected** (24 hour): 1004
Core ID #: 0046	**Core Segment ID #:** DX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample: ☐ Full-Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Am/Pu/U/Th Spectroscopy (ORISE)	Pu-241 by Liquid Scint (ORISE)	Sr-90 by Liquid Scint (ORISE)	Fe-55 by Radiochem (Paragon)	SW846 6010C (Paragon): Al, Sb, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Tl, V, Zn	SW846 6020 (Paragon): As, Cd, Cr, Co, Cu, Pb, Mn, Mo, Ni, Se, Ag, Tl, V, Zn	SW846 7196A (Paragon): Hexavalent Chromium	SW846 7470A (Paragon): Hg		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																		
0046	DX	XA	1	✓	✓															

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Field Sampler: Art Samiljan / (Print and Sign) **Date:** 09/26/07

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/26/07 **Time Collected** (24 hour): 1008
Core ID #: 0046	**Core Segment ID #:** EX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample: ☐ Full-Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	Beta Analysis (Paragon): Sr-90	SW846 6010C (Paragon): Beryllium	SW846 6010C (Paragon): Semi-Volatile Organics	SW846 8260B (Paragon): Volatile Organics	SW846 7196A (Paragon): Hexavalent Chromium	SW846 7470A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0046	EX	XA	1	✓	✓																

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/26/07 **Time Collected** (24 hour): 1014
Core ID #: 0046	**Core Segment ID #:** FX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650		**Client:**	Nuclear Fuel Services
		Project Name:	Subsurface Characterization and FSS
		Project Mgr:	Jeffrey Lively
		Project No:	9120071235

SWMU Sample ☐ | Full Suite Radiological ☐

Regulatory Confirmation Sample ☐ | Gamma Only ☐ | Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Sr-90 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	RCRA Metals (Paragon)	SW846 6010B (Paragon): Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Tl, Sn, V, Zn	SW846 6020 (Paragon): Ag, Al, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Tl, Sn, V, Zn	SW846 7196A (Paragon): Cr(VI)	SW846 7470A (Paragon): Hg	SW846 7471A (Paragon): Hg (solid)		Sample Preservation (Check If YES)
Core #	Segment #	Sample #																			
0046	FX	XA	1	✓	✓																

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/26/07 **Time Collected** (24 hour): 1020
Core ID #: 0046	**Core Segment ID #:** 6X

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services **Project Name:** Subsurface Characterization and FSS **Project Mgr:** Jeffrey Lively **Project No:** 9120071235

SWMU Sample ☐ Full Suite Radiological: ☐

Regulatory Confirmation Sample ☐ Gamma Only ☐ Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	PCBs/Aroclors (Paragon)	SW846 8010C (Paragon): Volatile Organics	SW846 8270C (Paragon): Semi-Volatile Organics	SW846 8260B (Paragon): VOCs by Terra Core	SW846 6020 (Paragon): Beryllium, Chromium	SW846 7471A (Paragon): Mercury		Sample Preservation (Check If YES)
Core #	Segment #	Sample #																			
0046	6X	XA	1	✓	✓																

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/26/07 **Time Collected** (24 hour): 1024
Core ID #: 0046	**Core Segment ID #:** HX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample ☐ | Full Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ | Gamma Only: ☐ | Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Pa-231 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	RCRA Metals (Paragon)	SW846 8010C (Paragon): Aroclor 1254	SW846 8010C (Paragon): Aroclor 1260	SW846 8270C (Paragon): Semivolatile Organics	SW846 8260B (Paragon): VOCs by Term Core	SW846 7196A (Paragon): Hexavalent Chromium	SW846 7471A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																				
0046	HX	XA	1	✓	✓																	

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/26/07 **Time Collected** (24 hour): 1026
Core ID #: 0046	**Core Segment ID #:** IX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample ☐ Full Suite Radiological ☐

Regulatory Confirmation Sample ☐ Gamma Only ☐ Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Sr-90 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	RCRA Metals (Paragon)	SW846 6010C (Paragon): Arsenic, Barium	SW846 6020 (Paragon): Selenium, Vanadium	SW846 8270C (Paragon): Semi-VOCs by Tetra Cat	SW846 8260B (Paragon): VOCs by Tetra Cat	SW846 7196A (Paragon): Hexavalent Chromium	SW846 7470A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																				
0046	IX	XA	1	✓	✓																	

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Field Sampler: Art Samiljan / (Print and Sign) **Date:** 09/26/07

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/26/07 **Time Collected** (24 hour): 1030
Core ID #: 0046	**Core Segment ID #:** JX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services **Project Name:** Subsurface Characterization and FSS **Project Mgr:** Jeffrey Lively **Project No:** 9120071235

SWMU Sample ☐ Full-Suite Radiological: ☐

Regulatory Confirmation Sample ☐ Gamma Only ☐ Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	Cs-134, Arocl 1254 (Paragon)	SW846 Iodide (Paragon): Arocl 1254, Barium	SW846 8270D (Paragon): Semi-Volatile Organics	SW846 8260B (Paragon): Volatile Organics, Kerosene Cores	SW846 7196A (Paragon): Hexavalent Chromium	SW846 7470A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																				
0046	JX	XA	1	✓	✓																	

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NFS File Classification: DCM-23-05-02

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Grand Junction, CO 81506
Phone 970.243.2861
Fax 970.256.7356

FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/26/07 **Time Collected** (24 hour): 0810
Core ID #: 0047	**Core Segment ID #:** AX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample: ☐ Full-Suite Radiological: ☑

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full-Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Am/Sr Spectroscopy (ORISE)	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	Ra-226 by Alpha Spectroscopy (Paragon)	SW846 8260B (Paragon): Semi Volatile Organics	SW846 8270C (Paragon): Volatile Organics	SW846 6010C (Paragon): Metals	SW846 7196A (Paragon): Hexavalent Chromium	SW846 7470A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0047	AX	XA	1	✓	✓	✓	✓	✓													
0047	AX	XF	1						✓												✓
0047	AX	XQ	1						✓												✓

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/26/07 **Time Collected** (24 hour): 0816
Core ID #: 0047	**Core Segment ID #:** BX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sampler: ☐ Full-Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full-Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	SW846 6020 (Paragon): As, Cd, Cr, Pb, Se	SW846 6020 (Paragon): Antimony, Beryllium	SW846 8270C (Paragon): Semi-Volatile Organics	SW846 8260B (Paragon): VOC-Volatile Organics	SW846 7196A (Paragon): Hexavalent Chromium	SW846 7471A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0047	BX	XA	1	✓	✓																

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/26/07 **Time Collected** (24 hour): 0822
Core ID #: 0047	**Core Segment ID #:** CX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650		**Client:**	Nuclear Fuel Services
		Project Name:	Subsurface Characterization and FSS
		Project Mgr:	Jeffrey Lively
		Project No:	9120071235

SWMU Sample: ☐ Full-Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	PCB Aroclor 1254 (Paragon)	SW846 8010 (Paragon): Arsenic, Barium	SW846 8270C (Paragon): Semi-Volatile Organics	SW846 8260B (Paragon): Volatile Organics	SW846 7196A (Paragon): Hexavalent Chromium	SW846 7470A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0047	CX	XA	1	✓	✓																

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/26/07 **Time Collected** (24 hour): 0832
Core ID #: 0047	**Core Segment ID #:** DX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services **Project Name:** Subsurface Characterization and FSS **Project Mgr:** Jeffrey Lively **Project No:** 9120071235

SWMU Sample: ☐ Full-Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	PCBs (SW846 8082) (Paragon)	SW846 8010C (Paragon): Arsenic, Barium	SW846 8270C (Paragon): Semi-Volatile Organics	SW846 8260B (Paragon): VOCs by Internal Std	SW846 7196A (Paragon): Hexavalent Chromium	SW846 7470A (Paragon): Mercury		Sample Preservation (Check If YES)
Core #	Segment #	Sample #																			
0047	DX	XA	1	✓	✓																

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NFS File Classification: DCM-23-05-02

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/26/07 **Time Collected** (24 hour): 0834
Core ID #: 0047	**Core Segment ID #:** EX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample: ☐ Full-Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	PCBs (Aroclor 1254) (Paragon)	SW846 8010C (Paragon): Acrylic, Beryllium	SW846 8270C (Paragon): Semi-Volatile Organics	SW846 8260B (Paragon): VOCs, Volatile Organics	SW846 7196A (Paragon): Hexavalent Chromium	SW846 7470A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0047	EX	XA	1	✓	✓																

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/26/07 **Time Collected** (24 hour): 0838
Core ID #: 0047	**Core Segment ID #:** FX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample: ☐ Full Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE)	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	PCB Aroclors (Paragon)	SW846 8015 (Paragon): Acetone	SW846 8015 (Paragon): Benzene	SW846 8270C (Paragon): Simi Volatile Organics	SW846 8260B (Paragon): VOCs by Purge and Trap	SW846 6010B (Paragon): Total Chromium	SW846 7470A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																				
0047	FX	XA	1	✓	✓																	

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/26/07 **Time Collected** (24 hour): 0844
Core ID #: 0047	**Core Segment ID #:** GX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample ☐ | Full Suite Radiological ☐

Regulatory Confirmation Sample ☐ | Gamma Only ☐ | Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	RCBA Analysis (Paragon)	SW846 6010C (Paragon): Arsenic, Barium	SW846 6020C (Paragon): Selenium, Vanadium	SW846 8260B (Paragon): Acetone, Carbon Disulfide	SW846 7196A (Paragon): Hexavalent Chromium	SW846 7470A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0047	GX	XA	1	✓	✓																

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/26/07 **Time Collected** (24 hour): 0856
Core ID #: 0047	**Core Segment ID #:** HX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample: ☐ Full Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Pb-210 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	TCE/Acetone 12h (Paragon)	SW846 8260 (Paragon): Acrolein, Benzene	SW846 8270 (Paragon): Semi Volatile Organics	SW846 8080 (Paragon): VOC pesticides, Chlor	SW846 8151A (Paragon): Herbicides	SW846 6010/7471 (Paragon): Metals		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0047	HX	XA	1	✓	✓																

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/26/07 **Time Collected** (24 hour): 0858
Core ID #: 0047	**Core Segment ID #:** IX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services **Project Name:** Subsurface Characterization and FSS **Project Mgr:** Jeffrey Lively **Project No:** 9120071235

SWMU Sample ☐ | Full-Suite Radiological: ☐

Regulatory Confirmation Sample ☐ | Gamma Only ☐ | Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, U, Th	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	PCBs: Aroclor 1254 (Paragon)	SW 846 8260B (Paragon): Acrolein, Acrylonitrile	SW 846 8270C (Paragon): Semi Volatile Organics	SW 846 8260B (Paragon): VOCs by Target Core	SW 846 7196A (Paragon): Hexavalent Chromium	SW 846 7471A (Paragon): Mercury		Sample Preservation (Check If YES)
Core #	Segment #	Sample #																			
0047	IX	XA	1	✓	✓																

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/25/07 **Time Collected** (24 hour): 1448
Core ID #: 0048	**Core Segment ID #:** AX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample: ☐ Full Suite Radiological: ☑

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	U-234 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	Sr-90 by Liquid Scint (ORISE)	Sr-90 by Alpha Spectroscopy (Paragon)	Sr-90 by Alpha Spectroscopy (Paragon) Assemblage/Alum	SW846 8270C (Paragon) Semi-Volatile Organics	SW846 8260B (Paragon) Volatile Organics	SW846 8260B (Paragon) Volatile Organics	SW846 6010B (Paragon) Hexavalent Chromium	SW846 7470A (Paragon) Mercury		Sample Preservation (Check If YES)
Core #	Segment #	Sample #																					
0048	AX	XA	1	✓	✓	✓	✓	✓															
0048	AX	XF							✓														✓
0048	AX	XQ							✓														✓

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/25/07 **Time Collected** (24 hour): 1452
Core ID #: 0048	**Core Segment ID #:** BX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample: ☐ Full Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U	Eu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	PCBs (Aroclor 254) (Paragon)	SW846 6010C (Paragon): Arsenic, Beryllium	SW846 8270C (Paragon): Semi-Volatile Organics	SW846 8260B (Paragon): Volatile Organics	SW846 7196A (Paragon): Hexavalent Chrom	SW846 7470A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0048	BX	XA	1	✓	✓																

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Field Sampler: Art Samiljan (Print and Sign) **Date:** 09/25/07

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/25/07 **Time Collected** (24 hour): 1458
Core ID #: 0048	**Core Segment ID #:** CX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample: ☐ Full Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	PCBs: Aroclor 1254 (Paragon)	SW846 8010C (Paragon): Arsenic, Beryllium	SW846 8270C (Paragon): Semi-Volatile Organics	SW846 8260B (Paragon): Volatile Organics	SW846 6020 (Paragon): Uranium, Beryllium, Chromium	SW846 7470A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0048	CX	XA	1	✓	✓																

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/25/07 **Time Collected** (24 hour): 1504
Core ID #: 0048	**Core Segment ID #:** DX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services **Project Name:** Subsurface Characterization and FSS **Project Mgr:** Jeffrey Lively **Project No:** 9120071235

SWMU Sample: ☐ Full-Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	Sr-90 (Paragon)	SW846 6010C (Paragon): Arsenic, Beryllium	SW846 6020 (Paragon): Semi-Volatile Organics	SW846 8260B (Paragon): VOCs by Term Core	SW846 7196A (Paragon): Hexavalent Chromium	SW846 7470A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0048	DX	XA	1	✓	✓																

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Field Sampler: Art Samiljan / (Print and Sign) **Date:** 09/25/07

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/25/07 **Time Collected** (24 hour): 1508
Core ID #: 0048	**Core Segment ID #:** EX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services **Project Name:** Subsurface Characterization and FSS **Project Mgr:** Jeffrey Lively **Project No:** 9120071235

SWMU Sample: ☐ Full-Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	PCBs/Aroclor 1254 (Paragon)	SW 846 8260C (Paragon): Arsenic, Beryllium	SW 846 8270C (Paragon): Semi Volatile Organics	SW 846 8260B (Paragon): Volatile Organics	SW 846 7196A (Paragon): Hexavalent Chromium	SW 846 7471A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0048	EX	XA	1	✓	✓																

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Field Sampler: Art Samillan / (Print and Sign) **Date:** 09/25/07

NFS File Classification: DCM-23-05-02

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Fax 970.256.7356

FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/25/07 **Time Collected** (24 hour): 1510
Core ID #: 0048	**Core Segment ID #:** FX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample: ☐ Full-Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (CRSE)	Alpha Spectroscopy (CRSE): Am, Pu, U, Th	Pu-241 by Liquid Scint (CRSE)	Tc-99 by Liquid Scint (CRSE)	PCBs Aroclor 1254 (Paragon)	SW846 6010C (Paragon): Arsenic, Beryllium	SW846 8270C (Paragon): Semi-Volatile Organics	SW846 8260B (Paragon): Volatile Organics	SW846 7196A (Paragon): Hexavalent Chromium	SW846 7470A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0048	FX	XA	1	✓	✓																

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/25/07 **Time Collected** (24 hour): 1512
Core ID #: 0048	**Core Segment ID #:** GX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample: ☐ Full Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Sr-90 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	PCBs/Aroclors (Paragon)	SW846 6010B (Paragon): Arsenic, Beryllium	SW846 8270D (Paragon): Semivolatile Organics	SW846 8260B (Paragon): VOCs by Purge & Trap	SW846 7196A (Paragon): Hexavalent Chromium	SW846 7471A (Paragon): Mercury		Sample Preservation (Check If YES)
Core #	Segment #	Sample #																			
0048	GX	XA	1	✓	✓																

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/25/07 **Time Collected** (24 hour): 1516
Core ID #: 0048	**Core Segment ID #:** HX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services **Project Name:** Subsurface Characterization and FSS **Project Mgr:** Jeffrey Lively **Project No:** 9120071235

SWMU Sample: ☐ Full-Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full-Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Sr-90 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	Sr-90 (Paragon)	Sr-90 (Paragon): Sr-90	SW846 8015B (Paragon): Aqueous Beryllium	SW846 8270C (Paragon): Semi Volatile Organics	SW846 8260B (Paragon): VOCs by Tetra Core	SW846 7196A (Paragon): Hexavalent Chromium	SW846 7470A (Paragon): Mercury		Sample Preservation (Check If YES)
Core #	Segment #	Sample #																				
0048	HX	XA	1	✓	✓																	

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/25/07 **Time Collected** (24 hour): 1520
Core ID #: 0048	**Core Segment ID #:** IX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample: ☐ Full-Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	Gamma Spectroscopy (Paragon)	SW-846 8015B (Paragon): Gasoline Range Organics	SW-846 8260B (Paragon): Volatile Organics	SW-846 8270C (Paragon): Semi-Volatile Organics	SW-846 8280B (Paragon): Dioxins by Low Res GC/MS	SW-846 7196A (Paragon): Hexavalent Chromium	SW-846 7471A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																				
0048	IX	XA	1	✓	✓																	

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/25/07 **Time Collected** (24 hour): 1526
Core ID #: 0048	**Core Segment ID #:** JX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample ☐ Full Suite Radiological ☐

Regulatory Confirmation Sample ☐ Gamma Only ☐ Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	RCRA Arsenic (Paragon)	SW846 6010C (Paragon): Arsenic, Beryllium	SW846 8270C (Paragon): Semi-Volatile Organics	SW846 8260B (Paragon): VOCs by Low Level	SW846 7196A (Paragon): Hexavalent Chromium	SW846 7470A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0048	JX	XA	1	✓	✓																

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/25/07 **Time Collected** (24 hour): 1312
Core ID #: 0049	**Core Segment ID #:** AX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample: ☐ Full-Suite Radiological: ☑

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE) Am, Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	RCRA (Paragon)	SW846 8010C (Paragon) Volatile Halogenated Organics	SW846 8270C (Paragon) Semi-Volatile Organics	SW846 6010B (Paragon) Total Metals	SW846 7196A (Paragon) Hexavalent Chromium	SW846 7470A (Paragon) Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0049	AX	XA	1	✓	✓	✓	✓	✓													
0049	AX	XF	1						✓												✓
0049	AX	XQ	1						✓												✓

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FIELD SAMPLE DATA SHEET

Survey Unit ID#:	Date Collected (mm/dd/yy): 09/25/07 Time Collected (24 hour): 1320
Core ID #: 0049	Core Segment ID #: 3X

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	Client:	Nuclear Fuel Services
	Project Name:	Subsurface Characterization and FSS
	Project Mgr:	Jeffrey Lively
	Project No:	9120071235

SWMU Sample: ☐ Full-Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only ☐ Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, Th	Sr-90 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	PCBs: Aroclor 1254 (Paragon)	SW846-8010 (Paragon): Aromatic Gen. Vol.	SW846-8270C (Paragon): Semi Volatile Organics	SW846-8260B (Paragon): Volatile Organics	SW846-7196A (Paragon): Hexavalent Chromium	SW846-7470A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0049	3X	XA	1	✓	✓																

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FIELD SAMPLE DATA SHEET

Survey Unit ID#:	**Date Collected** (mm/dd/yy): **09/25/07** **Time Collected** (24 hour): 1324
Core ID #: 0049	**Core Segment ID #:** CX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650		**Client:**	Nuclear Fuel Services
		Project Name:	Subsurface Characterization and FSS
		Project Mgr:	Jeffrey Lively
		Project No:	9120071235

SWMU Sample ☐ Full Suite Radiological ☐

Regulatory Confirmation Sample ☐ Gamma Only ☐ Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (QRISE)	Alpha Spectroscopy (QRISE)	Pu-241 by Liquid Scint (QRISE)	Tc-99 by Liquid Scint (QRISE)	Radium 226 (Paragon)	Radium 228 (Paragon)	SW846 6010C (Paragon): Arsenic	SW846 6010C (Paragon): Barium	SW846 6010C (Paragon): Cadmium	SW846 6010C (Paragon): Chromium	SW846 6010C (Paragon): Lead	SW846 6010C (Paragon): Selenium	SW846 6010C (Paragon): Silver		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																						
0049	CX	XA	1	✓	✓																			

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FIELD SAMPLE DATA SHEET

Survey Unit ID#:	**Date Collected** (mm/dd/yy): 09/25/07 **Time Collected** (24 hour): 1330
Core ID #: 0049	**Core Segment ID #:** DX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample: ☐ Full-Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (CRISE)	Alpha Spectroscopy (CRISE): Am, Pu, U, Th	Fe-55 by Liquid Scint (CRISE)	Tc-99 by Liquid Scint (CRISE)	PCBs, Aroclor 1254 (Paragon)	SW846 8010C (Paragon) Aromatic Volatile Organics	SW 846 8270C (Paragon) Semi Volatile Organics	SW846 8260B (Paragon) VOCs by Purge & Trap	SW846 7196A (Paragon) Hexavalent Chromium	SW846 7471A (Paragon) Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0049	DX	XA	1	✓	✓																

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FIELD SAMPLE DATA SHEET

Survey Unit ID#:	**Date Collected** (mm/dd/yy): 09/25/07 **Time Collected** (24 hour): 1342
Core ID #: 0049	**Core Segment ID #:** EX

Site:	NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:**	Nuclear Fuel Services
		Project Name:	Subsurface Characterization and FSS
		Project Mgr:	Jeffrey Lively
		Project No:	9120071235

SWMU Sample ☐ Full Suite Radiological ☐

Regulatory Confirmation Sample ☐ Gamma Only ☐ Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Pu-241 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	PCBs: Aroclor 1254 (Paragon)	SW8260B (Paragon): Arsenic, Barium	SW8270D (Paragon): Semi-Volatile Organics	SW8260B (Paragon): VOCs by Methods	SW846 8250B (Paragon): Hexavalent Chromium	SW846 7196A (Paragon): Mercury	SW846 7471A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																				
0049	EX	XA	1	✓	✓																	

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Field Sampler: Art Samiljan / (Print and Sign) **Date:** 09/25/07

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/25/07 **Time Collected** (24 hour): 1348
Core ID #: 0049	**Core Segment ID #:** FX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample: ☐ Full-Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Am-241 by Alpha Spectroscopy (ORISE)	Radium by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	PCBs Aroclor 1254 (Paragon)	SW846 8015C (Paragon): Methanol	SW846 8015C (Paragon): Sat/Volatile Organics	SW846 8015C (Paragon): VOCs, Tert Chem	SW846 8015C (Paragon): Methanol	SW846 8015C (Paragon): Methanol	SW846 8015C (Paragon): Methanol		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																				
0049	FX	XA	1	✓	✓																	

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/25/07 **Time Collected** (24 hour): 1352
Core ID #: 0049	**Core Segment ID #:** GX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services **Project Name:** Subsurface Characterization and FSS **Project Mgr:** Jeffrey Lively **Project No:** 9120071235

SWMU Sample: ☐ Full-Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Gamma Spectroscopy (Paragon) Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (CRLSE)	Alpha Spectroscopy (CRLSE) Am, Pu, U, Th	Fe-55 by Liquid Scint (CRLSE)	Tc-99 by Liquid Scint (CRLSE)	SW846 8015 (Paragon) Volatile Organics	SW846 8260B (Paragon) Semi Volatile Organics	SW846 8270C (Paragon) Semi Volatile Organics	SW846 8260B (Paragon) VOCs by Terraplex	SW846 7196A (Paragon) Hexavalent Chromium	SW846 7471A (Paragon) Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0049	GX	XA	1	✓	✓																

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Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/25/07 **Time Collected** (24 hour): 1358
Core ID #: 0049	**Core Segment ID #:** HX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample ☐ Full-Suite Radiological: ☐

Regulatory Confirmation Sample ☐ Gamma Only ☐ Full-Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (GRISE)	Alpha Spectroscopy (GRISE): Am, Pu, U, Th	Pu-241 by Liquid Scint (GRISE)	Tc-99 by Liquid Scint (GRISE)	SW846 6010C (Paragon): Arsenic, Barium, Beryllium	SW846 6010C (Paragon): Cadmium, Chromium, Lead	SW846 8270C (Paragon): Semi-volatile Organics	SW846 8260B (Paragon): VOCs, Methylene Chloride	SW846 7196A (Paragon): Hexavalent Chromium	SW846 7471A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0049	HX	XA	1	✓	✓																

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/25/07 **Time Collected** (24 hour): 1406
Core ID #: 0049	**Core Segment ID #:** IX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample: ☐ Full-Suite Radiological: ☐

Regulatory Confirmation Sample: ☐ Gamma Only: ☐ Full Suite: ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Sr-90 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	PCBs (Paragon)	SW846 8010B (Paragon): Bromodichloromethane, Bromoform, Chloroform, Dibromochloromethane	SW846 8270C (Paragon): 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dinitrophenol, 2-Chlorophenol, 2-Methylphenol, 2-Nitrophenol, 4-Chloro-3-methylphenol, 4-Methylphenol, 4-Nitrophenol, Pentachlorophenol	SW846 8260B (Paragon): Acetone, Benzene, Carbon Tetrachloride, Chloroform, Methylene Chloride, Tetrachloroethylene, Trichloroethylene, Vinyl Chloride	SW846 8260B (Paragon): 1,1-Dichloroethylene, 1,2-Dichloroethane, 2-Butanone, Carbon Disulfide, Chlorobenzene, Ethylbenzene, Methyl Isobutyl Ketone, Toluene, Xylenes		Sample Preservation (Check If YES)
Core #	Segment #	Sample #																			
0049	IX	XA	1	✓	✓																

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FIELD SAMPLE DATA SHEET

Survey Unit ID#: 3	**Date Collected** (mm/dd/yy): 09/25/07 **Time Collected** (24 hour): 1414
Core ID #: 0049	**Core Segment ID #:** JX

Site: NFS North Site 1205 Banner Hill Road Erwin, TN 37650	**Client:** Nuclear Fuel Services
	Project Name: Subsurface Characterization and FSS
	Project Mgr: Jeffrey Lively
	Project No: 9120071235

SWMU Sample ☐ Full-Suite Radiological: ☐

Regulatory Confirmation Sample ☐ Gamma Only ☐ Full Suite ☐

Unique Sample ID Number			NUMBER of CONTAINERS	Sample Preparation (Dry & Grind)	Gamma Spectroscopy (NFS)	Gamma Spectroscopy (Paragon)	Alpha Spectroscopy (Paragon): Am, Pu, U, Th	Pu-241 by Liquid Scint (Paragon)	Tc-99 by Liquid Scint (Paragon)	Gamma Spectroscopy (ORISE)	Alpha Spectroscopy (ORISE): Am, Pu, U, Th	Sr-90 by Liquid Scint (ORISE)	Tc-99 by Liquid Scint (ORISE)	PCBs (Aroclor 1254) (Paragon)	SW846 6010C (Paragon): Arsenic, Barium	SW846 8270C (Paragon): Benzo(a)pyrene	SW846 8260B (Paragon): Vocs, Mercury	SW846 6020 (Paragon): Hexavalent Chromium	SW846 7471A (Paragon): Mercury		Sample Preservation (Check if YES)
Core #	Segment #	Sample #																			
0049	JX	XA	1	✓	✓																

Knowingly or willfully falsifying or concealing a material fact on this form, or making false, fictitious or fraudulent statements or representations herein could constitute a felony punishable under Federal Statutes

Field Sampler: Art Samiljan / (Print and Sign) **Date:** 09/25/07

NFS File Classification: DCM-23-05-02