

FIELD SCREENING FINAL DATA DELIVERABLE COVER SHEET

Date: Monday, February 5, 2007

Sample Authorization Form (SAF) Number: F07-014

SDG Number (assigned by Sample Management): FPO412 Days
2/7/07

Attachments (check all that apply or N/A):

- Test Results
- Narrative Summary
- Chain of Custody(s)
- Logbook Pages
- N/A Anomaly Report

Total number of pages (including cover sheet): 16

Comments: **Aquifer Tube Sampling Field Screening**

THESE TESTS WERE CONDUCTED USING QC-1



Hetuses
Analyst Signature

M. G. Baehler
Reviewer's Signature

2-5-2007
Date

2/5/07
Date

Distribution: CPP Sample Management A0-21
Project (Specify)

Requires distribution to listed project personnel by Sample Management (check if applicable)

RECEIVED
AUG 20 2007

EDMC

On-Site Measurement of Cr +6
Aquifer Tube Sampling Project - 100-HR-3 OU (100 H Segment)
Groundwater

SAF: F07-014
 Procedure: GRP-EE-05-1.17

Logbook: HNF-N-296 8 Page 24

1/30/2007

Location	HEIS	SAF	Date	Time	Sampler	Sample	Date	Time	Analyst	Cr +6
	Number		Collected	Collected			(Initials)	Media		
51-D	B1LR19	F07-014	1/30/2007	1325	RP	Water	1/30/2007	15:35	LCP	0.035
51-M	B1LR17	F07-014	1/30/2007	1307	RP	Water	1/30/2007	15:35	LCP	0.028
51-S	B1LR18	F07-014	1/30/2007	1316	RP	Water	1/30/2007	15:35	LCP	0.009
52-D	B1LR22	F07-014	1/30/2007	1145	RP	Water	1/30/2007	15:35	LCP	< 0.005
52-M	B1LR21	F07-014	1/30/2007	1115	RP	Water	1/30/2007	15:35	LCP	0.006
52-S	B1LR20	F07-014	1/30/2007	1120	RP	Water	1/30/2007	15:35	LCP	0.007

Logbook: HNF-N-296 8 Page 27

1/31/2007

Location	HEIS	SAF	Date	Time	Sampler	Sample	Date	Time	Analyst	Cr +6
	Number		Collected	Collected			(Initials)	Media		
48-M	B1LR05	F07-014	1/31/2007	846	RP	Water	1/31/2007	15:30	LCP	0.008
48-M	B1LR07	F07-014	1/31/2007	1846	RP	Water	1/31/2007	15:30	LCP	0.008
48-S	B1LR08	F07-014	1/31/2007	908	RP	Water	1/31/2007	15:30	LCP	< 0.005
49-D	B1LR10	F07-014	1/31/2007	1003	RP	Water	1/31/2007	15:30	LCP	0.01
50-M	B1LR14	F07-014	1/31/2007	1355	RP	Water	1/31/2007	15:30	LCP	0.02
50-S	B1LR15	F07-014	1/31/2007	1403	RP	Water	1/31/2007	15:30	LCP	0.015

Analyst(s): L.C. Petersen

Date: 2/1/2007

24

Aquifer Tube - HR3 OU
L+6L.C. Petersen
H Petersen
GRAM INC

Hexavalent Chromium Daily Activity Log

Aquifer Tube Sampling in the 100-HR-3 OU

SAF F07-014

Logbook HNF-N-296 8

Date: 1/30/07

1220	L.C. Petersen arrived on-site at 200W, MO-612 field laboratory. Set up to analyze samples for hexavalent chromium using a HACH DR 2010 spectrophotometer, S/N 980600009425, Method 951, low range hexavalent chromium.
1355	Prepared 0.10 mg/L standard by adding 240 μ L of 12.5 mg/L HACH hexavalent chromium standard, lot # A5354, exp. December 2010, to 29.76 mL of deionized water.
1535	After pulling standard, blank, and sample fluids into hexavalent chromium ampules (lot # A6215, exp. May 2009), analyzed undiluted samples.

Sample #	Well #	SAF #	Concentration (mg/L)	Date Sampled	Time Sampled	Sampler
Blank	----	----	0.002	----	----	----
0.10 mg/L std.	----	----	0.108	----	----	----
B1LR19	51-D	F07-014	0.035	01/30/07	1325	RP
B1LR17	51-M	F07-014	0.028	01/30/07	1307	RP
B1LR18	51-S	F07-014	0.009	01/30/07	1316	RP
B1LR22	52-D	F07-014	0.003	01/30/07	1145	RP
B1LR21	52-M	F07-014	0.006	01/30/07	1115	RP
B1LR20	52-S	F07-014	0.007	01/30/07	1120	RP
0.10 mg/L std.	----	----	0.108	----	----	----
Blank	----	----	0.002	----	----	----

Reviewed

By: M.A. Baechler

JAN 31 2007

M.A. Baechler

00000002

L.C. Petersen
H Petersen
1-31-2007LP
1-31-2007

Hexavalent Chromium Daily Activity Log Aquifer Tube Sampling in the 100-HR-3 OU (100 H Segment)

SAF F07-014

Logbook HNF-N-296 8

Date: 1/31/07

H. Peterson
2-2-2007

1255	L.C. Petersen arrived on-site at 200W, MO-612 field laboratory. Set up to analyze samples for hexavalent chromium using a HACH DR 2010 spectrophotometer, S/N 980600009425, Method 951, low range hexavalent chromium.
1315	Prepared 0.10 mg/L standard by adding 240 µL of 12.5 mg/L HACH hexavalent chromium standard, lot # A5354, exp. December 2010, to 29.76 mL of deionized water.
1530	After pulling standard, blank, and sample fluids into hexavalent chromium ampules (lot # A6215, exp. May 2009), analyzed undiluted samples.

Sample #	Well #	SAF #	Concentration (mg/L)	Date Sampled	Time Sampled	Sampler
Blank	----	----	0.003	----	----	----
0.10 mg/L std.	----	----	0.106	----	----	----
B1LR05	48-M	F07-014	0.008	01/31/07	0846	RP
B1LR07	48-M	F07-014	0.008	01/31/07	0846 ①	RP
B1LR08	48-S	F07-014	0.004	01/31/07	0908	RP
B1LR10	49-D	F07-014	0.010	01/31/07	1003	RP
B1LR14	50-M	F07-014	0.020	01/31/07	1355	RP
B1LR15	50-S	F07-014	0.015	01/31/07	1403	RP
0.10 mg/L std.	----	----	0.105	----	----	----
Blank	----	----	0.002	----	----	----

① MAB 2/5/07

H. Peterson
2-2-2007

L.C. Petersen
H. Peterson
2-2-2007

FEB 05 2007

Reviewed
By: M.A. Baechler

M.A. Baechler

COLLECTOR POPE/PFISTER/HUGHES/WISE		COMPANY CONTACT TRENT, SJ		TELEPHONE NO. 373-5869		PROJECT COORDINATOR TRENT, SJ		PRICE CODE		FIELD		DATA TURNAROUND 0 Days / 0 Days	
SAMPLING LOCATION 48-M		PROJECT DESIGNATION AQUIFER TUBE SAMPLING IN THE 100-HR-3 OU (100 H Segment)				SAF NO. F07-014		AIR QUALITY <input type="checkbox"/>					
ICE CHEST NO.		FIELD LOGBOOK NO. HNF-N-451-1		COA 122543ES10		METHOD OF SHIPMENT GOVERNMENT VEHICLE							
SHIPPED TO Field Analysis Activities		OFFSITE PROPERTY NO. N/A				BILL OF LADING/AIR BILL NO. N/A							

MATRIX* A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	POSSIBLE SAMPLE HAZARDS/ REMARKS Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)	PRESERVATION		None	None									
		TYPE OF CONTAINER		G/P	aG									
		NO. OF CONTAINER(S)		1	1									
		VOLUME		60mL	60mL									
SPECIAL HANDLING AND/OR STORAGE		SAMPLE ANALYSIS		SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Chromium - Hex; *									

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1LR05	WATER	1/31/07	0846										

CHAIN OF POSSESSION				SIGN/ PRINT NAMES				SPECIAL INSTRUCTIONS			
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	(1)DISSOLVED OXYGEN; TEMPERATURE; pH ANALYSIS {pH Measurement} OXIDATION-REDUCTION POTENTIAL; CONDUCTIVITY; * filtered < 0.45µm DO 10.1 Temp 9.9 pH 7.4 ORP 204 Conductivity 341.1			
R. Pfister / [Signature]	1/31/07 1420	R.O. Mahood / [Signature]	1/31/07 1420								
R.O. Mahood / [Signature]	1/31/07 1510	L.C. Petersen / [Signature]	1-31-07 1510								

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME
	RETURNED TO OU	L.C. PETERSEN [Signature]	JAN 31 2007 1540

00000004

COLLECTOR POPE/PFISTER/HUGHES/WISE		COMPANY CONTACT TRENT, SJ		TELEPHONE NO. 373-5869		PROJECT COORDINATOR TRENT, SJ		PRICE CODE		FIELD		DATA TURNAROUND 0 Days / 0 Days	
SAMPLING LOCATION 48-M		PROJECT DESIGNATION AQUIFER TUBE SAMPLING IN THE 100-HR-3 OU (100 H Segment)				SAF NO. F07-014		AIR QUALITY <input type="checkbox"/>					
ICE CHEST NO.		FIELD LOGBOOK NO. HNF-N-451-1		COA 122543ES10		METHOD OF SHIPMENT GOVERNMENT VEHICLE							
SHIPPED TO Field Analysis Activities		OFFSITE PROPERTY NO. N/A				BILL OF LADING/AIR BILL NO. N/A							

MATRIX* A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	POSSIBLE SAMPLE HAZARDS/ REMARKS Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)	PRESERVATION		None	None										
		TYPE OF CONTAINER		G/P	aG										
		NO. OF CONTAINER(S)		1	1										
		VOLUME		60mL	60mL										
SPECIAL HANDLING AND/OR STORAGE		SAMPLE ANALYSIS		SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Chromium - Hex;										

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1LR07	WATER	1/31/07	0846	✓	✓								

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS			
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	(1)DISSOLVED OXYGEN; TEMPERATURE; pH ANALYSIS {pH Measurement} OXIDATION-REDUCTION POTENTIAL; CONDUCTIVITY; * filtered 20.45 µm DO 10.1 Temp 9.9 pH 7.84 ORP 204 conductivity 341.1			
R. PFISTER / R. HUGHES	1/31/07 1420	R.O. Mahood / Richard O. Mahood	1/31/07 1420				
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME				
R.O. Mahood / Richard O. Mahood	1/31/07 1510	L.C. Petersen / Peterson	1-31-07 1510				
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME				
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME				
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME				
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME				
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME				

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME
	RETURNED TO OU	L.C. PETERSEN	JAN 31 2007 1540

00000005

COLLECTOR POPE/PFISTER/HUGHES/WISE		COMPANY CONTACT TRENT, SJ		TELEPHONE NO. 373-5869		PROJECT COORDINATOR TRENT, SJ		PRICE CODE		FIELD		DATA TURNAROUND 0 Days / 0 Days	
SAMPLING LOCATION 48-S		PROJECT DESIGNATION AQUIFER TUBE SAMPLING IN THE 100-HR-3 OU (100 H Segment)				SAF NO. F07-014		AIR QUALITY <input type="checkbox"/>					
ICE CHEST NO.		FIELD LOGBOOK NO. HNF-N-451-1		COA 122543ES10		METHOD OF SHIPMENT GOVERNMENT VEHICLE							
SHIPPED TO Field Analysis Activities		OFFSITE PROPERTY NO. N/A				BILL OF LADING/AIR BILL NO. N/A							

MATRIX* A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	POSSIBLE SAMPLE HAZARDS/ REMARKS Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)	PRESERVATION		None	None									
		TYPE OF CONTAINER		G/P	aG									
		NO. OF CONTAINER(S)		1	1									
		VOLUME		60mL	60mL									
SPECIAL HANDLING AND/OR STORAGE		SAMPLE ANALYSIS		SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Chromium - Hex; *									

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1LR08	WATER	1/31/07	0908	✓	✓								

CHAIN OF POSSESSION				SIGN/ PRINT NAMES				SPECIAL INSTRUCTIONS			
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	(1)DISSOLVED OXYGEN; TEMPERATURE; pH ANALYSIS (pH Measurement) OXIDATION-REDUCTION POTENTIAL; CONDUCTIVITY; DO 11.4 Temp 7.9 pH 7.85 ORP 203 conductivity 167.2 * filtered <0.45µm			
R. Petersen / 1/31/07	1420	R.O. Mahood / R.O. Mahood	1/31/07 1420								
R.O. Mahood / Richard O. Mahood	1/31/07 1510	L.C. Petersen / Petersen	1-31-07 1510								

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME
	RETURNED TO OU	L.C. PETERSEN <i>Petersen</i>	JAN 31 2007 1540

00000000

COLLECTOR POPE/PFISTER/HUGHES/WISE		COMPANY CONTACT TRENT, SJ		TELEPHONE NO. 373-5869	PROJECT COORDINATOR TRENT, SJ		PRICE CODE	FIELD	DATA TURNAROUND 0 Days / 0 Days
SAMPLING LOCATION 49-D		PROJECT DESIGNATION AQUIFER TUBE SAMPLING IN THE 100-HR-3 OU (100 H Segment)			SAF NO. F07-014		AIR QUALITY <input type="checkbox"/>		
ICE CHEST NO.		FIELD LOGBOOK NO. HNF-N-451-1		COA 122543ES10		METHOD OF SHIPMENT GOVERNMENT VEHICLE			
SHIPPED TO Field Analysis Activities		OFFSITE PROPERTY NO. N/A			BILL OF LADING/AIR BILL NO. N/A				

MATRIX* A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	POSSIBLE SAMPLE HAZARDS/ REMARKS Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)	PRESERVATION	None	None							
		TYPE OF CONTAINER	G/P	aG							
		NO. OF CONTAINER(S)	1	1							
		VOLUME	60mL	60mL							
		SPECIAL HANDLING AND/OR STORAGE	SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Chromium - Hex;						

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME							
B1LR10	WATER	1/31/07	1003		✓					

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	(1)DISSOLVED OXYGEN; TEMPERATURE; pH ANALYSIS {pH Measurement} OXIDATION-REDUCTION POTENTIAL; CONDUCTIVITY; DO 8.0 Temp 10.5 PH 7.28 ORP 229 COND 456.6	
R. PFISTER/ [Signature]	1/31/07 1420	R.D. Marwood/ Richard D. Marwood	1/31/07 1420		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
R.D. Marwood/ R.D. Marwood	1/31/07 1510	L.C. Petersen/ [Signature]	1-31-07 1510		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME
	RETURNED TO OU	L.C. PETERSEN [Signature]	JAN 31 2007 1540

00000007

COLLECTOR POPE/PFISTER/HUGHES/WISE	COMPANY CONTACT TRENT, SJ	TELEPHONE NO. 373-5869	PROJECT COORDINATOR TRENT, SJ	PRICE CODE	FIELD	DATA TURNAROUND 0 Days / 0 Days
SAMPLING LOCATION 50-M	PROJECT DESIGNATION AQUIFER TUBE SAMPLING IN THE 100-HR-3 OU (100 H Segment)		SAF NO. F07-014	AIR QUALITY	<input type="checkbox"/>	
ICE CHEST NO.	FIELD LOGBOOK NO. HNF-N-451-1	COA 122543E510	METHOD OF SHIPMENT GOVERNMENT VEHICLE			
SHIPPED TO Field Analysis Activities	OFFSITE PROPERTY NO. N/A		BILL OF LADING/AIR BILL NO. N/A			

MATRIX* A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	POSSIBLE SAMPLE HAZARDS/ REMARKS Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)	PRESERVATION	None	None							
		TYPE OF CONTAINER	G/P	aG							
		NO. OF CONTAINER(S)	1	1							
		VOLUME	60mL	60mL							
SPECIAL HANDLING AND/OR STORAGE		SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Chromium - Hex;							

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME							
B1LR14	WATER	1/31/07	1355	✓	✓					

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
R. Pfister / Trent /	1/31/07 1420	R.O. Mahood / Richard O. Mahood	1/31/07 1428
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
R.O. Mahood / Richard O. Mahood	1/31/07 1510	L.C. Petersen / Petersen	1-31-07 1520
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
 (1) DISSOLVED OXYGEN; TEMPERATURE; pH ANALYSIS {pH Measurement};
 OXIDATION-REDUCTION POTENTIAL; CONDUCTIVITY;

DO 7.1
 Temp 9.9
 pH 7.15
 ORP 242
 COND 573.5

FILTERED TO $0.45\mu m$

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME
	RETURNED TO OU	L.C. PETERSEN <i>L. Petersen</i>	JAN 31 2007 1540

COLLECTOR POPE/PFISTER/HUGHES/WISE	COMPANY CONTACT TRENT, SJ	TELEPHONE NO. 373-5869	PROJECT COORDINATOR TRENT, SJ	PRICE CODE	FIELD	DATA TURNAROUND 0 Days / 0 Days
SAMPLING LOCATION 50-S	PROJECT DESIGNATION AQUIFER TUBE SAMPLING IN THE 100-HR-3 OU (100 H Segment)		SAF NO. F07-014	AIR QUALITY	<input type="checkbox"/>	

ICE CHEST NO.	FIELD LOGBOOK NO. HNF-N-451-1	COA 122543ES10	METHOD OF SHIPMENT GOVERNMENT VEHICLE			
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SHIPPED TO Field Analysis Activities	OFFSITE PROPERTY NO. N/A	BILL OF LADING/AIR BILL NO. N/A				
--	------------------------------------	---	--	--	--	--

MATRIX* A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soll SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	POSSIBLE SAMPLE HAZARDS/ REMARKS Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)	PRESERVATION	None	None							
		TYPE OF CONTAINER	G/P	aG							
		NO. OF CONTAINER(S)	1	1							
		VOLUME	60mL	60mL							
SPECIAL HANDLING AND/OR STORAGE	SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Chromium - Hex;								

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME							
B1LR15	WATER	1/31/07	1403	✓	✓					

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	(1)DISSOLVED OXYGEN; TEMPERATURE; pH ANALYSIS {pH Measurement} OXIDATION-REDUCTION POTENTIAL; CONDUCTIVITY; DO 10.2 Temp 8.3 pH 7.31 ORP 221 COND 561.9 FILTERED TO <0.45 um	
R. Pfister / [Signature]	1/31/07 1420	R.O. Mahood / Richard O. Mahood	1/31/07 1420		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
R.O. Mahood / Richard O. Mahood	1/31/07 1510	L.C. Petersen / [Signature]	1-31-07 1510		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME
	RETURNED TO OU	L.C. PETERSEN	JAN 31 2007 1540

COLLECTOR POPE/PFISTER/HUGHES/WISE		COMPANY CONTACT TRENT, SJ		TELEPHONE NO. 373-5869		PROJECT COORDINATOR TRENT, SJ		PRICE CODE		FIELD		DATA TURNAROUND 0 Days / 0 Days	
SAMPLING LOCATION 51-M		PROJECT DESIGNATION AQUIFER TUBE SAMPLING IN THE 100-HR-3 OU (100 H Segment)				SAF NO. F07-014		AIR QUALITY <input type="checkbox"/>					
ICE CHEST NO.		FIELD LOGBOOK NO. HNF-N-451-1		COA 122543ES10		METHOD OF SHIPMENT GOVERNMENT VEHICLE							
SHIPPED TO Field Analysis Activities		OFFSITE PROPERTY NO. N/A				BILL OF LADING/AIR BILL NO. N/A							

MATRIX* A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	POSSIBLE SAMPLE HAZARDS/ REMARKS Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)	PRESERVATION		None	None									
		TYPE OF CONTAINER		G/P	aG									
		NO. OF CONTAINER(S)		1	1									
		VOLUME		60mL	60mL									
SPECIAL HANDLING AND/OR STORAGE		SAMPLE ANALYSIS		SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Chromium - Hex;									

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1LR17	WATER	1/30/07	1307		✓								

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	(1) DISSOLVED OXYGEN; TEMPERATURE; pH ANALYSIS {pH Measurement} OXIDATION-REDUCTION POTENTIAL; CONDUCTIVITY; D.O. = Temp. = 11.5 pH = 7.14 ORP = 196 Conductivity = 536.3 * filtered < 0.45 μm	
R. PFISTER / JMM	1/30/07	L.C. Petersen	1-30-07		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME
	RETURNED TO OU	L.C. PETERSEN	JAN 30 2007 1540

00000010

COLLECTOR POPE/PFISTER/HUGHES/WISE	COMPANY CONTACT TRENT, SJ	TELEPHONE NO. 373-5869	PROJECT COORDINATOR TRENT, SJ	PRICE CODE	FIELD	DATA TURNAROUND 0 Days / 0 Days
SAMPLING LOCATION 51-S	PROJECT DESIGNATION AQUIFER TUBE SAMPLING IN THE 100-HR-3 OU (100 H Segment)		SAF NO. F07-014	AIR QUALITY	<input type="checkbox"/>	

ICE CHEST NO.	FIELD LOGBOOK NO. HNF-N-451-1	COA 122543ES10	METHOD OF SHIPMENT GOVERNMENT VEHICLE			
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SHIPPED TO Field Analysis Activities	OFFSITE PROPERTY NO. N/A	BILL OF LADING/AIR BILL NO. N/A			
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MATRIX* A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	POSSIBLE SAMPLE HAZARDS/ REMARKS Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)	PRESERVATION	None	None										
		TYPE OF CONTAINER	G/P	aG										
		NO. OF CONTAINER(S)	1	1										
		VOLUME	60mL	60mL										
SPECIAL HANDLING AND/OR STORAGE		SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Chromium - Hex;										

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1LR18	WATER	1/30/07	1316		✓								

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS			
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	(1)DISSOLVED OXYGEN; TEMPERATURE; pH ANALYSIS {pH Measurement} OXIDATION-REDUCTION POTENTIAL; CONDUCTIVITY; D.O. = 2.9 Temp. = 10.4 pH = 7.2 7.17 <i>RF 1/30/07</i> ORP = 185 Conductivity = 409.4 * filtered <0.45µm			
<i>R. Petersen</i>	1/30/07 1515	<i>L.C. Petersen</i>	1-30-07				
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME				
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME				
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME				
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME				

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME
	RETURNED TO OU	L.C. PETERSEN	JAN 30 2007 1540

00000011

COLLECTOR POPE/PFISTER/HUGHES/WISE	COMPANY CONTACT TRENT, SJ	TELEPHONE NO. 373-5869	PROJECT COORDINATOR TRENT, SJ	PRICE CODE	FIELD	DATA TURNAROUND 0 Days / 0 Days
SAMPLING LOCATION 51-D	PROJECT DESIGNATION AQUIFER TUBE SAMPLING IN THE 100-HR-3 OU (100 H Segment)		SAF NO. F07-014	AIR QUALITY	<input type="checkbox"/>	

ICE CHEST NO.	FIELD LOGBOOK NO. HNF-N-451-1	COA 122543ES10	METHOD OF SHIPMENT GOVERNMENT VEHICLE			
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SHIPPED TO Field Analysis Activities	OFFSITE PROPERTY NO. N/A	BILL OF LADING/AIR BILL NO. N/A			
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MATRIX* A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soll SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	POSSIBLE SAMPLE HAZARDS/ REMARKS Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)	PRESERVATION	None	None							
		TYPE OF CONTAINER	G/P	aG							
		NO. OF CONTAINER(S)	1	1							
		VOLUME	60mL	60mL							
SPECIAL HANDLING AND/OR STORAGE		SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Chromium - Hex; *							

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME							
B1LR19	WATER	1/30/07	1325		✓					

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	(1)DISSOLVED OXYGEN; TEMPERATURE; pH ANALYSIS {pH Measurement} OXIDATION-REDUCTION POTENTIAL; CONDUCTIVITY; D.O. - 6.4 Temp. - 11.5 pH - 7.69 ORP - 183 Conductivity - 520.4 * filtered < 0.45 µm	
R. PFISTER / [Signature]	1/30/07 1515	L.C. Petersen [Signature]	1-31-07 1515		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME
	RETURNED TO OU	L.C. PETERSEN [Signature]	JAN 30 2007 1540

00000012

COLLECTOR POPE/PFISTER/HUGHES/WISE		COMPANY CONTACT TRENT, SJ		TELEPHONE NO. 373-5869		PROJECT COORDINATOR TRENT, SJ		PRICE CODE		FIELD		DATA TURNAROUND 0 Days / 0 Days	
SAMPLING LOCATION 52-S		PROJECT DESIGNATION AQUIFER TUBE SAMPLING IN THE 100-HR-3 OU (100 H Segment)				SAF NO. F07-014		AIR QUALITY <input type="checkbox"/>					
ICE CHEST NO.		FIELD LOGBOOK NO. HNF-N-451-1		COA 122543ES10		METHOD OF SHIPMENT GOVERNMENT VEHICLE							
SHIPPED TO Field Analysis Activities		OFFSITE PROPERTY NO. N/A				BILL OF LADING/AIR BILL NO. N/A							

MATRIX* A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soll SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	POSSIBLE SAMPLE HAZARDS/ REMARKS Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)	PRESERVATION		None	None										
		TYPE OF CONTAINER		G/P	aG										
		NO. OF CONTAINER(S)		1	1										
		VOLUME		60mL	60mL										
SPECIAL HANDLING AND/OR STORAGE		SAMPLE ANALYSIS		SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Chromium - Hex;										

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1LR20	WATER	1/30/07	1120	r	r								

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	(1)DISSOLVED OXYGEN; TEMPERATURE; pH ANALYSIS {pH Measurement} OXIDATION-REDUCTION POTENTIAL; CONDUCTIVITY; DO - 5.3 Temp - 8.1 pH - 7.05 ORP - 186 COND - 262.1	
R. PEISTER / [Signature]	1/30/07 1515	L.C. Peteresen [Signature]	1-31-07		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME
	RETURNED TO OU	L.C. PETERSEN [Signature]	JAN 30 2007 1540

00000013

COLLECTOR POPE/PFISTER/HUGHES/WISE	COMPANY CONTACT TRENT, SJ	TELEPHONE NO. 373-5869	PROJECT COORDINATOR TRENT, SJ	PRICE CODE	FIELD	DATA TURNAROUND 0 Days / 0 Days
SAMPLING LOCATION 52-M	PROJECT DESIGNATION AQUIFER TUBE SAMPLING IN THE 100-HR-3 OU (100 H Segment)		SAF NO. F07-014	AIR QUALITY	<input type="checkbox"/>	

ICE CHEST NO.	FIELD LOGBOOK NO. HNF-N-451-1	COA 122543ES10	METHOD OF SHIPMENT GOVERNMENT VEHICLE			
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SHIPPED TO Field Analysis Activities	OFFSITE PROPERTY NO. N/A	BILL OF LADING/AIR BILL NO. N/A				
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MATRIX* A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	POSSIBLE SAMPLE HAZARDS/ REMARKS Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)	PRESERVATION	None	None							
		TYPE OF CONTAINER	G/P	aG							
		NO. OF CONTAINER(S)	1	1							
		VOLUME	60mL	60mL							
SPECIAL HANDLING AND/OR STORAGE	SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Chromium - Hex;								

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME							
B1LR21	WATER	1/30/07	1115	✓	✓					

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		DATE/TIME		SPECIAL INSTRUCTIONS
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME			(1)DISSOLVED OXYGEN; TEMPERATURE; pH ANALYSIS {pH Measurement} OXIDATION-REDUCTION POTENTIAL; CONDUCTIVITY; D.O - 3.3 Temp - 9.7 pH - 6.82 ORP - 199 COND. - 303.4
R. PEPPER 1/30/07 1515	1/30/07 1515	L.C. PETERSEN [Signature]	1-31-07 1515			
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME			
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME			
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME			
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME			

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME
	RETURNED TO OU	L.C. PETERSEN [Signature]	JAN 30 2007 1540

00000014

COLLECTOR POPE/PFISTER/HUGHES/WISE		COMPANY CONTACT TRENT, SJ		TELEPHONE NO. 373-5869		PROJECT COORDINATOR TRENT, SJ		PRICE CODE		FIELD		DATA TURNAROUND 0 Days / 0 Days	
SAMPLING LOCATION 52-D		PROJECT DESIGNATION AQUIFER TUBE SAMPLING IN THE 100-HR-3 OU (100 H Segment)				SAF NO. F07-014		AIR QUALITY <input type="checkbox"/>					
ICE CHEST NO.		FIELD LOGBOOK NO. HNF-N-451-1		COA 122543ES10		METHOD OF SHIPMENT GOVERNMENT VEHICLE							
SHIPPED TO Field Analysis Activities		OFFSITE PROPERTY NO. N/A				BILL OF LADING/AIR BILL NO. N/A							

MATRIX* A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soll SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	POSSIBLE SAMPLE HAZARDS/ REMARKS Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)	PRESERVATION		None	None										
		TYPE OF CONTAINER		G/P	aG										
		NO. OF CONTAINER(S)		1	1										
		VOLUME		60mL	60mL										
SPECIAL HANDLING AND/OR STORAGE		SAMPLE ANALYSIS		SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Chromium - Hex;										

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1LR22	WATER	1/30/07	1145	✓	✓								

CHAIN OF POSSESSION				SIGN/ PRINT NAMES				SPECIAL INSTRUCTIONS			
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	(1)DISSOLVED OXYGEN; TEMPERATURE; pH ANALYSIS {pH Measurement} OXIDATION-REDUCTION POTENTIAL; CONDUCTIVITY; D.O - 1.6 TEMP - 10.6 PH - 7.71 ORP - 135 COND - 315.8			
R. PASTOR 1/22/07	1515	L.C. Petersen	1-31-07 1515								
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME								
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME								
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME								
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME								

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME
	RETURNED TO OU	L.C. PETERSEN	JAN 30 2007 1540

00000015