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FINAL REPORT FOR SAMPLES FROM 100-N APATITE BARRIER GROUND WATER REMEDIATION PROJECT, AUGUST 2008

Sample Group No. 222S20080705

Gerald P Ritenour
Advanced Technologies and Laboratories International, Inc.

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Prepared for:

Fluor Hanford

Stephen J. Trent
Fluor Hanford, Inc.
Post Office Box 1000, T5-49
Richland, Washington 99352-1000
(509)373-5869

Prepared by:

Hanford Analytical Services
Advanced Technologies and Laboratories International, Inc.
222-S LAB

ATL International, Inc.
P.O. Box 250
Richland, WA 99352-0250
509-372-2742

8/15/2008
G. P. Ritenour; ATL Project Manager

222-S LABORATORY

FINAL REPORT FOR SAMPLES FROM 100-N APATITE BARRIER GROUND WATER REMEDIATION PROJECT, AUGUST 2008

1.0 INTRODUCTION

Five water samples from the Ground Water Remediation Project, 100-N Apatite Barrier were received at the 222-S Laboratory on August 8, 2008 and assigned to group 222S20080705. The samples were analyzed in accordance with ATL-MP-1011, *ATL Quality Assurance Project Plan for 222-S Laboratory* and *Statement of Work for ATL/222-S Laboratory Services for the 100-NR-2 Apatite PRB Treatability Test Sequestration of Sr-90 Sample Analysis* (SOW). All known deviations from the requirements in these documents are sited in this narrative.

Attachment 1	Data Summary Report
Attachment 2	Receipt Paperwork

2.0 SAMPLE RECEIPT AND HANDLING

The samples were collected and delivered to the laboratory on August 8, 2008. The sample custodian was unable to measure the temperature of the samples, since a temperature blank was not included with the sample shipment. The samples were refrigerated after receipt.

3.0 ANALYTICAL RESULTS

The Data Summary Report, included as Attachment 1, presents the analytical results for the analytes requested on the chain of custody. In this attachment the column labeled "A#" indicates the aliquot class or the method used for sample preparation before analysis. Since the only analysis required was ion chromatography (IC), a direct analysis without any preparation, this column is blank.

3.1 HOLDING TIME REPORT

The SOW requested that the laboratory strive to meet the holding times specified in SW-846, Method 9056 or at a minimum not exceed double the holding time. Nitrate, nitrite, and phosphate have a holding time of 48 hours. Chloride, fluoride, and sulfate have a holding time of 28 days. Since all the requested anions are analyzed at the same time in a given sample, only the holding time information for nitrate, nitrite and phosphate are presented in Table 1. The laboratory met the project specific extended holding time of 96 hours.

Table 1. Holding Times

Lab. Sample ID	Analyte	Sampling Date	Analysis Date	Elapsed Time	SW-846 Holding Time
S08M000111	Nitrate/ Nitrite	8/08/08, 09:15	8/11/08, 14:53	77:38	48 hours
S08M000112	Nitrate/ Nitrite	8/08/08, 08:10	8/11/08, 16:03:	79:53	48 hours
S08M000113	Nitrate/ Nitrite	8/08/08, 08:06	8/11/08, 16:17	80:11	48 hours
S08M000114	Nitrate/ Nitrite	8/08/08, 09:30	8/11/08, 16:31	79:01	48 hours
S08M000115	Nitrate/ Nitrite	8/08/08, 09:45	8/11/08, 16:45	79:00	48 hours
S08M000111	Phosphate	8/08/08, 09:15	8/11/2008 14:53	77:38	48 hours
S08M000112	Phosphate	8/08/08, 08:10	8/11/2008 16:03	79:53	48 hours
S08M000113	Phosphate	8/08/08, 08:06	8/11/2008 16:17	80:11	48 hours
S08M000114	Phosphate	8/08/08, 09:30	8/11/2008 16:31	79:01	48 hour
S08M000115	Phosphate	8/08/08, 09:45	8/11/2008 16:45	79:00	48 hours

3.2 ION CHROMATOGRAPHY

The IC analysis was performed on direct aliquots. The laboratory control sample and matrix spike recoveries met the criteria listed in ATL-MP-1011. The relative percent difference between sample and duplicate results were less than 20%. A low level of chloride was detected in closing continuing calibration blank. Since this result was less than 5% of the sample results, the data is not affected.

4.0 ANALYTICAL PROCEDURES

Table 2 presents the 222-S Laboratory analytical procedure used to generate the reported results.

Table 2. Analytical Procedures.

Analysis	Reference Method	Analysis Procedure
IC	SW846-9056	LA-533-107 Rev. H-0

5.0 REFERENCES

Statement of Work for ATL/222-S Laboratory Services for the 100-NR-2 Apatite PRB Treatability, August, 2008, Fluor Hanford, Inc., Richland, Washington.

ATL-MP-1011, 2008, *ATL Quality Assurance Project Plan for 222-S Laboratory*, Revision 8, Advanced Technologies and Laboratories International, Inc., Richland, Washington.

Attachment 1

DATA SUMMARY REPORT

Data Summary of All Results

Sample Group: 20080705

Customer Group or SDG Number: 222S20080705

Customer Sample ID: B1WP22

Sample Portion: Liquid

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err %	Qual Flags
S08M000111			Fluoride	ug/mL	103	<6.16E-03	<0.314	<0.314	n/a	n/a	80.4	0.314	n/a	U
S08M000111			Chloride	ug/mL	92.9	<3.10E-03	64.5	63.7	64.1	1.23	87.4	0.158	n/a	
S08M000111			Nitrite	ug/mL	103	<0.0400	<2.04	<2.04	n/a	n/a	103	2.04	n/a	U
S08M000111			Nitrate	ug/mL	103	<0.0162	<0.826	<0.826	n/a	n/a	103	0.826	n/a	U
S08M000111			Phosphate	ug/mL	99.3	<0.0381	623	612	617	1.87	93.1	1.94	n/a	
S08M000111			Sulfate	ug/mL	99.0	<0.0219	<1.12	<1.12	n/a	n/a	97.2	1.12	n/a	U

E - Estimated

U - < Det Limit

Data Summary of All Results

Sample Group: 20080705

Customer Group or SDG Number: 222S20080705

Customer Sample ID: B1WP23

Sample Portion: Liquid

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err %	Qual Flags
S08M000112			Fluoride	ug/mL	103	<6.16E-03	<0.314	n/a	n/a	n/a	n/a	0.314	n/a	U
S08M000112			Chloride	ug/mL	92.9	<3.10E-03	39.1	n/a	n/a	n/a	n/a	0.158	n/a	
S08M000112			Nitrite	ug/mL	103	<0.0400	<2.04	n/a	n/a	n/a	n/a	2.04	n/a	U
S08M000112			Nitrate	ug/mL	103	<0.0162	<0.826	n/a	n/a	n/a	n/a	0.826	n/a	U
S08M000112			Phosphate	ug/mL	99.3	<0.0381	238	n/a	n/a	n/a	n/a	1.94	n/a	
S08M000112			Sulfate	ug/mL	99.0	<0.0219	5.88	n/a	n/a	n/a	n/a	1.12	n/a	E

E - Estimated

U - < Det Limit

Data Summary of All Results

Sample Group: 20080705

Customer Group or SDG Number: 222S20080705

Customer Sample ID: B1WP24

Sample Portion: Liquid

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err %	Qual Flags
S08M000113			Fluoride	ug/mL	103	<6.16E-03	<0.314	n/a	n/a	n/a	n/a	0.314	n/a	U
S08M000113			Chloride	ug/mL	92.9	<3.10E-03	11.9	n/a	n/a	n/a	n/a	0.158	n/a	
S08M000113			Nitrite	ug/mL	103	<0.0400	<2.04	n/a	n/a	n/a	n/a	2.04	n/a	U
S08M000113			Nitrate	ug/mL	103	<0.0162	<0.826	n/a	n/a	n/a	n/a	0.826	n/a	U
S08M000113			Phosphate	ug/mL	99.3	<0.0381	357	n/a	n/a	n/a	n/a	1.94	n/a	
S08M000113			Sulfate	ug/mL	99.0	<0.0219	1.73	n/a	n/a	n/a	n/a	1.12	n/a	E

E - Estimated

U - < Det Limit

Data Summary of All Results

Sample Group: 20080705

Customer Group or SDG Number: 222S20080705

Customer Sample ID: B1WP25

Sample Portion: Liquid

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err %	Qual Flags
S08M000114			Fluoride	ug/mL	103	<6.16E-03	<0.314	n/a	n/a	n/a	n/a	0.314	n/a	U
S08M000114			Chloride	ug/mL	92.9	<3.10E-03	55.7	n/a	n/a	n/a	n/a	0.158	n/a	
S08M000114			Nitrite	ug/mL	103	<0.0400	<2.04	n/a	n/a	n/a	n/a	2.04	n/a	U
S08M000114			Nitrate	ug/mL	103	<0.0162	<0.826	n/a	n/a	n/a	n/a	0.826	n/a	U
S08M000114			Phosphate	ug/mL	99.3	<0.0381	454	n/a	n/a	n/a	n/a	1.94	n/a	
S08M000114			Sulfate	ug/mL	99.0	<0.0219	1.41	n/a	n/a	n/a	n/a	1.12	n/a	E

E - Estimated

U - < Det Limit

Data Summary of All Results

Sample Group: 20080705

Customer Group or SDG Number: 222S20080705

Customer Sample ID: B1WP26

Sample Portion: Liquid

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err %	Qual Flags
S08M000115			Fluoride	ug/mL	103	<6.16E-03	<0.314	n/a	n/a	n/a	n/a	0.314	n/a	U
S08M000115			Chloride	ug/mL	92.9	<3.10E-03	173	n/a	n/a	n/a	n/a	0.158	n/a	
S08M000115			Nitrite	ug/mL	103	<0.0400	<2.04	n/a	n/a	n/a	n/a	2.04	n/a	U
S08M000115			Nitrate	ug/mL	103	<0.0162	<0.826	n/a	n/a	n/a	n/a	0.826	n/a	U
S08M000115			Phosphate	ug/mL	99.3	<0.0381	51.8	n/a	n/a	n/a	n/a	1.94	n/a	
S08M000115			Sulfate	ug/mL	99.0	<0.0219	<1.12	n/a	n/a	n/a	n/a	1.12	n/a	U

E - Estimated

U - < Det Limit

Attachment 3

RECEIPT PAPERWORK

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F06-027-293	PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 7K	DATA TURNAROUND
	TRENT, SJ	373-5869	TRENT, SJ	AIR QUALITY ☐	15 Days / 45 Days
SAMPLING LOCATION N-151	**PROJECT DESIGNATION** 100-N Apatite Barrier Performance Monitoring		**SAF NO.** F06-027		
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585-11	**ACTUAL SAMPLE DEPTH**	**COA** 122561ES20	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO 222-S Lab Operations	**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=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that may or may not be regulated for transportation per 49 CFR / IATA Dangerous Goods Regulations but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
SPLIT SAMPLE Tie to Primary Sample: B1WP12

PRESERVATION	Cool~4C
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	250mL
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1WP22	WATER	8/8/8	0915	X
SOS m 000 111				
			Lot #	028938

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J. Herrick J. Hirsch	8/8/8	RHHolt RSHoldG	8/8/8 1210
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
(1)IC Anions - 9056 {Chloride, Fluoride, Nitrogen in Nitrate, Nitrogen in Nitrite, Phosphate, Sulfate}
GRPA
2C080705

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

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222S20080705

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F06-027-294	PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 7K	DATA TURNAROUND
	TRENT, SJ	373-5869	TRENT, SJ	AIR QUALITY ☐	15 Days / 45 Days
SAMPLING LOCATION N-155	**PROJECT DESIGNATION** 100-N Apatite Barrier Performance Monitoring		**SAF NO.** F06-027		
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585-11	**ACTUAL SAMPLE DEPTH**	**COA** 122561ES20	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO 222-S Lab Operations	**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=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that may or may not be regulated for transportation per 49 CFR / IATA Dangerous Goods Regulations but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
SPLIT SAMPLE Tie to Primary Sample: B1WP13

PRESERVATION	Cool~4C
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	250mL
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1WP23	WATER	8/8/8	0810	X
Sosmcco 1/2				
			Lot #	028938

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J. Herrick J. Herrick	8/8/8	RL Stocks RL Stocks	8/8/8 1210
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
(1)IC Anions - 9056 {Chloride, Fluoride, Nitrogen in Nitrate, Nitrogen in Nitrite, Phosphate, Sulfate}

6KP #
20080705

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

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Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F06-027-295	PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 7K	DATA TURNAROUND
	TRENT, SJ	373-5869	TRENT, SJ	AIR QUALITY ☐	15 Days / 45 Days
SAMPLING LOCATION N-156	**PROJECT DESIGNATION** 100-N Apatite Barrier Performance Monitoring		**SAF NO.** F06-027		
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585-11	**ACTUAL SAMPLE DEPTH**	**COA** 122561ES20	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO 222-S Lab Operations	**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=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that may or may not be regulated for transportation per 49 CFR / IATA Dangerous Goods Regulations but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
SPLIT SAMPLE Tie to Primary Sample: B1WP14

PRESERVATION	Cool~4C
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	250mL
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1WP24	WATER	8/8/8	0806	X
S08M000113				
			Lot #	028938

CHAIN OF POSSESSION — **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J. Heinrich J. Heinrich	8/8/8 1210	Rohtad RSBtodG	8/8/8 1210
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
(1)IC Anions - 9056 {Chloride, Fluoride, Nitrogen in Nitrate, Nitrogen in Nitrite, Phosphate, Sulfate}
20080705

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

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Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F06-027-296	PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 7K	DATA TURNAROUND
	TRENT, SJ	373-5869	TRENT, SJ	AIR QUALITY ☐	15 Days / 45 Days
SAMPLING LOCATION N-147	**PROJECT DESIGNATION** 100-N Apatite Barrier Performance Monitoring		**SAF NO.** F06-027		
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585-11	**ACTUAL SAMPLE DEPTH**	**COA** 122561ES20	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO 222-S Lab Operations	**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=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that may or may not be regulated for transportation per 49 CFR / IATA Dangerous Goods Regulations but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
SPLIT SAMPLE Tie to Primary Sample: B1WP15

PRESERVATION	Cool~4C
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	250mL
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1WP25	WATER	8/8/8	0930	X
S08M000 114				
			Lot #	028938

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J. Herrick	8/8/8	[illegible]	8/8/8 1210
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
(1)IC Anions - 9056 {Chloride, Fluoride, Nitrogen in Nitrate, Nitrogen in Nitrite, Phosphate, Sulfate}

GFP #
20080705

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(01/06)

222S20080705

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F06-027-297	PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 7K	DATA TURNAROUND
	TRENT, SJ	373-5869	TRENT, SJ	AIR QUALITY ☐	15 Days / 45 Days
SAMPLING LOCATION Array 6A	**PROJECT DESIGNATION** 100-N Apatite Barrier Performance Monitoring		**SAF NO.** F06-027		
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585-11	**ACTUAL SAMPLE DEPTH**	**COA** 122561ES20	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO 222-S Lab Operations	**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=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that may or may not be regulated for transportation per 49 CFR / IATA Dangerous Goods Regulations but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE
SPLIT SAMPLE Tie to Primary Sample: B1WP16

PRESERVATION	Cool~4C
TYPE OF CONTAINER	G/P
NO. OF CONTAINER(S)	1
VOLUME	250mL
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1WP26	WATER	8/8/8	0945	X
S08M000115				
			Lot#	028938

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J. Herrick	8/8/8	[illegible]	8/8/08 1210
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
(1)IC Anions - 9056 {Chloride, Fluoride, Nitrogen in Nitrate, Nitrogen in Nitrite, Phosphate, Sulfate}

GRP# 20080705

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

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