

RECEIVED DECEMBER 30, 2008

Fluor Hanford
 WSCF Analytical Lab
 P.O. Box 1000
 Richland, Washington 99352
 Telephone 373-7495
 Telefax 372-0456

FLUOR[®]

M4W41-SLF-08-1332

December 30, 2008

Mr. M. A. Neely, Manager
 Analytical Services
 CH2M HILL Plateau Remediation Contract
 PO Box 1600 MSIN B6-06
 Richland, WA 99352

Dear Mike:

RDR #R5331 RESULTS FOR SAMPLE DELIVERY GROUP WSCF20082361 – SAF NUMBER F08-086

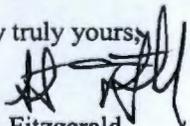
- Reference:
- (1) Letter, SL Fitzgerald to MA Neely (CH2M HILL), Final Results for SDG WSCF20082053 (M4W41-SLF-08-1230), dated November 6, 2008
 - (2) Memorandum of Agreement #MOA-FH-CHPRC-2008, Rev. 0, for the Performance & Payment of Services, dated October 1, 2008
 - (3) HNF-SD-CD-QAPP-017, Rev. 9, Waste Sampling & Characterization Facility Quality Assurance Plan

On December 4, 2008, RDR #R5331 was received by the WSCF Laboratory. This letter contains the following RDR data for sample delivery group WSCF20082361:

- Recheck, Recount & Reanalysis Order RDR R5331 (Attachment 1)
- Analytical Results (Attachment 2)
- Sample Receipt Acknowledgement (Attachment 3)

Sr-90 values changed significantly from an initial result of 41 pCi/l to <1.3 pCi/l. The cause for this change is unknown. If you have any questions, don't hesitate to call on Andy Kopriva, telephone 373-1613, for assistance.

Very truly yours,


 S. L. Fitzgerald
 WSCF Analytical Lab

SLF/grf

cc: w/Attachments

Attachment 3

T. F. Dale	S3-30	J. E. Trechter	S3-30
A. J. Kopriva	S3-30	S. J. Trent	B6-06
H. K. Mezmarich	S3-30	File/LB	
P. D. Mix	S3-30		

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EDMC

M4W41-SLF-08-1332

ATTACHMENT 1

RECHECK, RECOUNT & REANALYSIS ORDER RDR R5331

Consisting of 2 pages
Including cover page

12/04/2008
RECHECK, RECOUNT, OR REANALYSIS ORDER
CONTRACT NO MW6-SBB-A19981

**Waste Sampling &
600 AREA Hanford, MSIN
Richland, WA 99352**

Battelle PNNL Order Number: 081204WSCF-R5331

Sample Delivery Group: WSCF20082053

Special Instructions None

Samples(s)

Lab Sample ID	PNNL Sample	Action	TAT	METHOD_NAME:
W08GR03858	B1TRD4	Reanalysis	15/15	SRTOT_SEP_PRECIP

WSCF Response

Sample was reanalyzed, and the report and EDD file submitted to the client.

Deliver Report Results to:CH2M Hill Plateau Remediation Company
P.O. Box 1600
Mail Stop - B6-06
Richland, WA 99352
C/O Mr. Mike Neely

M4W41-SLF-08-1230

ATTACHMENT 2

ANALYTICAL RESULTS

Consisting of 6 pages
Including cover page

WSCF SAF NUMBER CROSS REFERENCE

Group#: WSCF20082361
Data Deliverable Date: 23-dec-2008
Data Deliverable: Cover Sheet

SAF#	Sample ID	WSCF#	Matrix
F08-086	B1TRD4	W08GR04249	WATER

W13q Worklist/Batch/QC Report for Group# WSCF20082361

WL#	S#	Batch	QC#	Tray Type	Sample#	Test
38849	1	39264	43830	BLANK		Strontium 89/90
38849	2	39264	43830	LCS		Strontium 89/90
38849	3	39264	43830	DUP	W08GR04219	Strontium 89/90
38849	8	39264	43830	SAMPLE	W08GR04249	Strontium 89/90
38849	9	39264	43830	SURR	W08GR04249	Strontium 89/90

WSCF

METHOD REFERENCES REPORT

Department: Radiochemistry

The results provided in this report were generated using the following WSCF Laboratory procedures. For your convenience, this table provides a listing of the regulatory or industry methods that are referenced by each of these WSCF procedures. Please note that the most recent version of the regulatory or industry method is listed here even though the WSCF procedure may reference an older version of the method. Also, a reference to a regulatory or industry method here does not necessarily indicate a verbatim implementation of that method.

LA-508-415	LA-508-415: OPERATION OF THE PROTEAN 2-INCH ALPHA/BETA COUNTING SYSTEM FOR GROSS
HEIS ALPHA_GPC	GROSS ALPHA GPC
HEIS BETA_GPC	GROSS BETA GPC
HEIS SRTOT_SEP_PRECIP_GPC	Protium 89/90

Note: A complete list of WSCF analytical procedures and referenced regulatory or industry methods is available online at <http://www2.rl.gov/phmc/as-dol>.

Report Date: 29-dec-2008

Report#: WSCF20082361

Report WGPPM/5.2

Page 1

WSCF ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F08-086
Sample # W08GR04249
Client ID: B1TRD4

SR RERUN
WSCF

Matrix: WATER

Group #: WSCF20082361
Department: Radiochemistry
Sampled: 09/23/08
Received: 09/23/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Strontium 89/90											
Strontium-89/90	SR-RAD	LA-508-415	U	0.210	pCi/L	+ -1.19	pCi/L	1.00	1.3		12/17/08
Sr-85 Tracer by Beta Counting	SR85	LA-508-415		64.0	Percent			1.00	0.0		12/17/08

MDL=Minimum Detection Limit

U - Analyzed for but not detected above limiting criteria(Inorg)

RQ=Result Qualifier

TP Err=Total Propagated Error

DF=Dilution Factor

* - Indicates results that have NOT been validated; + - Indicates more than six qualifier symbols

Report WGPP/ver. 5.2

Groundwater Remediation Program

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Radiochemistry

SDG Number: WSCF20082361
 Matrix: WATER
 Test: Strontium 89/90

Sample Date: 12/03/08
 Receive Date: 12/03/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
Lab ID: W08GR04219											
BATCH QC ASSOCIATED WITH SAMPLE											
DUP	Sr-85 Tracer by Beta Counting	SR85	56.2	56.200	% Recov	30.000	105.000				12/17/08
DUP	Strontium-89/90	SR-RAD	1.2E + 03		RPD			8.696	20.000		12/17/08
Lab ID: W08GR04249											
BATCH QC ASSOCIATED WITH SAMPLE											
SURR	Sr-85 Tracer by Beta Counting	SR85	64.0	64.000	% Recov	30.000	105.000				12/17/08
BATCH QC											
BLANK	Sr-85 Tracer by Beta Counting	SR85	89.5	89.500	% Recov	30.000	105.000				12/17/08
BLANK	Strontium-89/90	10098-97-2	U-2.6	n/a	pCi/L	-10.000	100.000				12/17/08
LCS	Sr-85 Tracer by Beta Counting	SR85	92.2	92.200	% Recov	30.000	105.000				12/17/08
LCS	Strontium-89/90	10098-97-2	129.0	92.919	% Recov	80.000	120.000				12/17/08

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ATTACHMENT 3

SAMPLE RECEIPT ACKNOWLEDGEMENT

Consisting of 2 pages
Including cover page

Waste Sampling and Characterization Facility
P.O. BOX 1970 S3-30, Richland, WA 99352
PHONE: (509) 373-7004/FAX: (509) 373-7134

File

ACKNOWLEDGMENT OF SAMPLES RECEIVED

12/23/08
[Signature]

Groundwater Remediation Program

Richland, WA 99354
Attn: Steve Trent

Customer Code: GPP
PO#: 122588/ES10
Group#: 20082361
Project#: F08-086
Proj Mgr: Steve Trent E6-35
Phone: 373-5869

The following samples were received from you on 09/23/08. They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using Waste Sampling and Characterization Facility.

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
W08GR04249	B1TRD4	SR RERUN @SR89_90	Water	09/23/08

Test Acronym Description

Test Acronym	Description
@SR89_90	Strontium 89/90