

Torres, RobertoJ

From: Theobald, Graham [graham.theobald@urs.com]
Sent: Thursday, May 02, 2013 4:37 PM
To: Torres, RobertoJ
Subject: RE: Request for additional information
Attachments: C12120573_R1.pdf

Hi Roberto,

I'm happy to answer these requests. I have to admit that I'm a little confused about your request for results from sample ID 12132012GT-06; I just double checked the report we received from Energy Laboratories (attached) and the results are present. I apologize if the copy we sent you somehow didn't contain this information, but regardless, it is on the attached pdf.

As far as the term "jam", that does not refer to any event or gauge failure – it is simply the term we have always used for our sensors. They were installed on the outside of a feed chute and were used to detect any jam inside the chute.

Please let me know if you have any further questions or need further explanations. Thank you.

Graham

Graham Theobald, CIH, CSP
TOCDF Industrial Hygiene Supervisor
URS Federal Services
435 830 7418 mobile

From: Torres, RobertoJ [<mailto:RobertoJ.Torres@nrc.gov>]
Sent: Thursday, May 02, 2013 1:41 PM
To: Theobald, Graham
Subject: Request for additional information

Mr. Theobald:

I am processing your request to terminate license 43-27467-01 and need the following information.

1. Provide copy of Energy Laboratory leak test result for Sample ID. 12132012GT-06. This leak test result was not included with the license termination request.
2. The decommissioning records made reference to project name: DFS Jam Sensor Removal. Please explain the term "jam". Is there an event or gauge failure that needs to be reported to the NRC?

Roberto J. Torres
Senior Health Physicist
U.S. Nuclear Regulatory Commission
Region IV
1600 East Lamar Boulevard
Arlington, TX 76011-4511
Telephone 817-200-1189



ANALYTICAL SUMMARY REPORT

January 04, 2013

URS/EG&G Defense Materials Inc
11600 Stark Rd
Stockton, UT 84071

Workorder No.: C12120573

Project Name: DFS Jam Sensor Removal

Energy Laboratories, Inc. Casper WY received the following 7 samples for URS/EG&G Defense Materials Inc on 12/17/2012 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C12120573-001	12132012GT-01	12/13/12 9:30	12/17/12	Filter	Gross Alpha, Gross Beta Gross Gamma
C12120573-002	12132012GT-02	12/13/12 9:45	12/17/12	Filter	Same As Above
C12120573-003	12132012GT-03	12/13/12 10:00	12/17/12	Filter	Same As Above
C12120573-004	12132012GT-04	12/13/12 10:15	12/17/12	Filter	Same As Above
C12120573-005	12132012GT-05	12/13/12 10:30	12/17/12	Filter	Same As Above
C12120573-006	12132012GT-06	12/13/12 10:45	12/17/12	Filter	Same As Above
C12120573-007	12132012GT-07	12/13/12 11:00	12/17/12	Filter	Same As Above

The results as reported relate only to the item(s) submitted for testing. The analyses presented in this report were performed at Energy Laboratories, Inc., 2393 Salt Creek Hwy., Casper, WY 82601, unless otherwise noted. Radiochemistry analyses were performed at Energy Laboratories, Inc., 2325 Kerzell Lane, Casper, WY 82601, unless otherwise noted. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these test results, please call.

Report Approved By:

Stephanie D Waldrop
Reporting Supervisor

Digitally signed by
Stephanie Waldrop
Date: 2013.01.04 09:21:49 -07:00



CLIENT: URS/EG&G Defense Materials Inc
Project: DFS Jam Sensor Removal
Sample Delivery Group: C12120573

Revised Date: 01/04/13

Report Date: 12/20/12

CASE NARRATIVE

REVISED/SUPPLEMENTAL REPORT

The attached analytical report has been revised from a previously submitted report due to the request by Graham Theobald on 12/27/12 for the addition of Gross Beta analysis on all samples. The data presented here is from that additional analysis.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: URS/EG&G Defense Materials Inc
Project: DFS Jam Sensor Removal
Lab ID: C12120573-001
Client Sample ID: 12132012GT-01

Revised Date: 01/04/13
Report Date: 12/20/12
Collection Date: 12/13/12 09:30
Date Received: 12/17/12
Matrix: Filter

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES							
Gross Beta	0.7	dpm/100 cm2				E900.0	12/28/12 12:34 / lbb
Gross Beta precision (±)	0.4	dpm/100 cm2				E900.0	12/28/12 12:34 / lbb
Gross Beta MDC	0.7	dpm/100 cm2				E900.0	12/28/12 12:34 / lbb
RADIONUCLIDES - GAMMA							
Cesium 137	0.0	pCi/filter	U	0.3		E901.1	12/18/12 08:00 / dpb
Cesium 137 precision (±)	0.3	pCi/filter				E901.1	12/18/12 08:00 / dpb

Report Definitions:
 RL - Analyte reporting limit.
 QCL - Quality control limit.
 MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.
 U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: URS/EG&G Defense Materials Inc
Project: DFS Jam Sensor Removal
Lab ID: C12120573-002
Client Sample ID: 12132012GT-02

Revised Date: 01/04/13
Report Date: 12/20/12
Collection Date: 12/13/12 09:45
Date Received: 12/17/12
Matrix: Filter

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES							
Gross Beta	2.4	dpm/100 cm2				E900.0	12/28/12 12:34 / lbb
Gross Beta precision (±)	0.5	dpm/100 cm2				E900.0	12/28/12 12:34 / lbb
Gross Beta MDC	0.7	dpm/100 cm2				E900.0	12/28/12 12:34 / lbb
RADIONUCLIDES - GAMMA							
Cesium 137	0.0	pCi/filter	U	0.3		E901.1	12/18/12 08:00 / dpb
Cesium 137 precision (±)	0.3	pCi/filter				E901.1	12/18/12 08:00 / dpb

Report Definitions:
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QCL - Quality control limit.
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MCL - Maximum contaminant level.
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U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: URS/EG&G Defense Materials Inc
Project: DFS Jam Sensor Removal
Lab ID: C12120573-003
Client Sample ID: 12132012GT-03

Revised Date: 01/04/13
Report Date: 12/20/12
Collection Date: 12/13/12 10:00
Date Received: 12/17/12
Matrix: Filter

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES							
Gross Beta	-0.4	dpm/100 cm2	U			E900.0	12/28/12 12:34 / lbb
Gross Beta precision (±)	0.4	dpm/100 cm2				E900.0	12/28/12 12:34 / lbb
Gross Beta MDC	0.7	dpm/100 cm2				E900.0	12/28/12 12:34 / lbb
RADIONUCLIDES - GAMMA							
Cesium 137	0.0	pCi/filter	U	0.3		E901.1	12/18/12 08:00 / dpb
Cesium 137 precision (±)	0.3	pCi/filter				E901.1	12/18/12 08:00 / dpb

Report Definitions:
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LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: URS/EG&G Defense Materials Inc
Project: DFS Jam Sensor Removal
Lab ID: C12120573-004
Client Sample ID: 12132012GT-04

Revised Date: 01/04/13
Report Date: 12/20/12
Collection Date: 12/13/12 10:15
Date Received: 12/17/12
Matrix: Filter

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES							
Gross Beta	0.1	dpm/100 cm2	U			E900.0	12/28/12 12:34 / lbb
Gross Beta precision (±)	0.4	dpm/100 cm2				E900.0	12/28/12 12:34 / lbb
Gross Beta MDC	0.7	dpm/100 cm2				E900.0	12/28/12 12:34 / lbb
RADIONUCLIDES - GAMMA							
Cesium 137	0.0	pCi/filter	U	0.3		E901.1	12/18/12 08:00 / dpb
Cesium 137 precision (±)	0.3	pCi/filter				E901.1	12/18/12 08:00 / dpb

Report Definitions:
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LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: URS/EG&G Defense Materials Inc
Project: DFS Jam Sensor Removal
Lab ID: C12120573-005
Client Sample ID: 12132012GT-05

Revised Date: 01/04/13
Report Date: 12/20/12
Collection Date: 12/13/12 10:30
Date Received: 12/17/12
Matrix: Filter

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES							
Gross Beta	-0.2	dpm/100 cm2	U			E900.0	12/28/12 12:34 / lbb
Gross Beta precision (±)	0.4	dpm/100 cm2				E900.0	12/28/12 12:34 / lbb
Gross Beta MDC	0.7	dpm/100 cm2				E900.0	12/28/12 12:34 / lbb
RADIONUCLIDES - GAMMA							
Cesium 137	0.0	pCi/filter	U	0.3		E901.1	12/18/12 08:00 / dpb
Cesium 137 precision (±)	0.3	pCi/filter				E901.1	12/18/12 08:00 / dpb

Report Definitions:
 RL - Analyte reporting limit.
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MCL - Maximum contaminant level.
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LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: URS/EG&G Defense Materials Inc
Project: DFS Jam Sensor Removal
Lab ID: C12120573-006
Client Sample ID: 12132012GT-06

Revised Date: 01/04/13
Report Date: 12/20/12
Collection Date: 12/13/12 10:45
Date Received: 12/17/12
Matrix: Filter

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES							
Gross Beta	0.5	dpm/100 cm2	U			E900.0	12/28/12 12:34 / lbb
Gross Beta precision (±)	0.4	dpm/100 cm2				E900.0	12/28/12 12:34 / lbb
Gross Beta MDC	0.7	dpm/100 cm2				E900.0	12/28/12 12:34 / lbb
RADIONUCLIDES - GAMMA							
Cesium 137	0.0	pCi/filter	U	0.3		E901.1	12/18/12 08:00 / dpb
Cesium 137 precision (±)	0.3	pCi/filter				E901.1	12/18/12 08:00 / dpb

Report Definitions:
 RL - Analyte reporting limit.
 QCL - Quality control limit.
 MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.
 U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: URS/EG&G Defense Materials Inc
Project: DFS Jam Sensor Removal
Lab ID: C12120573-007
Client Sample ID: 12132012GT-07

Revised Date: 01/04/13
Report Date: 12/20/12
Collection Date: 12/13/12 11:00
Date Received: 12/17/12
Matrix: Filter

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES							
Gross Beta	0.2	dpm/100 cm2	U			E900.0	12/28/12 12:34 / lbb
Gross Beta precision (±)	0.4	dpm/100 cm2				E900.0	12/28/12 12:34 / lbb
Gross Beta MDC	0.7	dpm/100 cm2				E900.0	12/28/12 12:34 / lbb
RADIONUCLIDES - GAMMA							
Cesium 137	0.0	pCi/filter	U	0.3		E901.1	12/18/12 08:00 / dpb
Cesium 137 precision (±)	0.3	pCi/filter				E901.1	12/18/12 08:00 / dpb

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
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MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 01/04/13

Client: URS/EG&G Defense Materials Inc

Report Date: 12/20/12

Project: DFS Jam Sensor Removal

Work Order: C12120573

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0										Batch: R168815
Sample ID: MB-R168815	3	Method Blank					Run: G542M_121228A			12/28/12 12:34
Gross Beta		1 dpm/100 cm2								
Gross Beta precision (±)		0.5dpm/100 cm2								
Gross Beta MDC		0.7dpm/100 cm2								
Sample ID: LCS-R168815		Laboratory Control Sample					Run: G542M_121228A			12/28/12 12:34
Gross Beta		16.7 dpm/100 cm2		96		70	130			
Sample ID: C12120573-001A DUP	3	Sample Duplicate					Run: G542M_121228A			12/28/12 12:34
Gross Beta		0.700 dpm/100 cm2				70	130	0.0	20	
Gross Beta precision (±)		0.440 dpm/100 cm2								
Gross Beta MDC		0.700 dpm/100 cm2								
Sample ID: C12120573-002A DUP	3	Sample Duplicate					Run: G542M_121228A			12/28/12 12:34
Gross Beta		1.70 dpm/100 cm2				70	130	34	20	R
Gross Beta precision (±)		0.480 dpm/100 cm2								
Gross Beta MDC		0.700 dpm/100 cm2								

- The Beta Duplicate RPD is outside of the acceptance range for this analysis; however, the RER of 2.0 is equal to the limit of 2.0. This batch is approved.

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

R - RPD exceeds advisory limit.



QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 01/04/13

Client: URS/EG&G Defense Materials Inc

Report Date: 12/20/12

Project: DFS Jam Sensor Removal

Work Order: C12120573

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E901.1										Batch: R168401
Sample ID: LCS-R168401										
Laboratory Control Sample										Run: GAM-HPGE_121218A
Cesium 137		39800	pCi/g-dry	0.3	103	70	130			12/18/12 08:00
Sample ID: MB-R168401										
2 Method Blank										Run: GAM-HPGE_121218A
Cesium 137		ND	pCi/g-dry							12/18/12 08:00
Cesium 137 precision (±)		ND	pCi/g-dry							U
Sample ID: C12120573-007ADUP										
2 Sample Duplicate										Run: GAM-HPGE_121218A
Cesium 137		ND	pCi/filter	0.3						12/18/12 08:00
Cesium 137 precision (±)		ND	pCi/filter							20 U

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

U - Not detected at minimum detectable concentration



Standard Reporting Procedures

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

Workorder Receipt Checklist

URS/EG&G Defense Materials Inc

C12120573

Login completed by: Timothy I. Houghteling

Date Received: 12/17/2012

Reviewed by: BL2000\kmliller

Received by: th

Reviewed Date: 12/20/2012

Carrier FedEx
name:

- Shipping container/cooler in good condition? Yes No Not Present
- Custody seals intact on shipping container/cooler? Yes No Not Present
- Custody seals intact on sample bottles? Yes No Not Present
- Chain of custody present? Yes No
- Chain of custody signed when relinquished and received? Yes No
- Chain of custody agrees with sample labels? Yes No
- Samples in proper container/bottle? Yes No
- Sample containers intact? Yes No
- Sufficient sample volume for indicated test? Yes No
- All samples received within holding time?
(Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.) Yes No
- Temp Blank received? Yes No Not Applicable
- Container/Temp Blank temperature: 14.0°C
- Water - VOA vials have zero headspace? Yes No No VOA vials submitted
- Water - pH acceptable upon receipt? Yes No Not Applicable

Contact and Corrective Action Comments:

None

