

RECEIVED

MAR 26 2013

DNMS

URS

March 20, 2013

Material Radiation Protection Section
U.S. Nuclear Regulatory Commission, Region IV
1600 East Lamar Boulevard
Arlington, TX 76011-4511

SUBJECT: Closure of U.S. NRC Materials License number 43-27467-01

To Whom It May Concern:

I am writing to request the closure of our U.S. NRC Materials License number 43-27467-01 which is issued to EG&G Defense Materials, Inc. EG&G Defense Materials, Inc. is a wholly owned subsidiary of URS.

All of the radiation sources which were previously present at our facility have been transferred to Vega America's, Inc. Questions and comments regarding this matter may be directed to Graham Theobald at (435) 830-7418.

Sincerely,



Graham Theobald, CSP, CIH, RSO
Industrial Hygiene Supervisor

PUBLIC

- ☐ Immediate Release
☒ Normal Release

NON-PUBLIC

- ☐ A.3 Sensitive-Security Related
☐ A.7 Sensitive Internal
☐ Other: _____

Reviewer: WTR Date: 4-2-2013

No 580288

CERTIFICATE OF DISPOSITION OF MATERIALS

Estimated burden per response to comply with this mandatory collection request: 30 minutes. This submittal is used by NRC as part of the basis for its determination that the facility is released for unrestricted use. Send comments regarding burden estimate to the Information Services Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to InfoCollects.Resource@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NE08-10202, (3150-0028), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

LICENSEE NAME AND ADDRESS

EG&G Defense Materials, Inc.
11600 Stark Road
Tooele, UT 84074

LICENSE NUMBER

43-27467-01

DOCKET NUMBER

030-33146

LICENSE EXPIRATION DATE

December 31, 2013

A. LICENSE STATUS (Check the appropriate box)

- ☐ This license has expired. ☒ This license has not yet expired; please terminate it.

B. DISPOSAL OF RADIOACTIVE MATERIAL

(Check the appropriate boxes and complete as necessary. If additional space is needed, provide attachments)

The licensee, or any individual executing this certificate on behalf of the licensee, certifies that:

- ☐ 1. No radioactive materials have ever been procured or possessed by the licensee under this license.
- ☒ 2. All activities authorized by this license have ceased, and all radioactive materials procured and/or possessed by the licensee under this license number cited above have been disposed of in the following manner:
- ☒ a. Transfer of radioactive materials to the licensee listed below:
Vega American, Inc. February 14, 2013 Maurits Hartog (513) 272-0131 NRC License#34-00639-04
- ☐ b. Disposal of radioactive materials:
- ☐ 1. Directly by the licensee:
- ☐ 2. By licensed disposal site:
- ☐ 3. By waste contractor:
- ☐ c. All radioactive materials have been removed such that any remaining residual radioactivity is within the limits of 10 CFR Part 20, Subpart E, and is ALARA.

C. SURVEYS PERFORMED AND REPORTED

- ☐ 1. A radiation survey was conducted by the licensee. The survey confirms:
- ☐ a. the absence of licensed radioactive materials
- ☐ b. that any remaining residual radioactivity is within the limits of 10 CFR 20, Subpart E, and is ALARA.
- ☐ 2. A copy of the radiation survey results:
- ☐ a. is attached; or ☐ b. is not attached (Provide explanation); or ☐ c. was forwarded to NRC on: _____ Date _____
- ☒ 3. A radiation survey is not required as only sealed sources were ever possessed under this license, and
- ☒ a. The results of the latest leak test are attached; and/or ☐ b. No leaking sources have ever been identified.

The person to be contacted regarding the information provided on this form:

NAME	TITLE	TELEPHONE (Include Area Code)	E-MAIL ADDRESS
Graham Theobald	Industrial Hygiene Supervisor	(435) 830-7418	graham.theobald@urs.com

Mail all future correspondence regarding this license to:
11600 Stark Road, Stockton Utah 84071

C. CERTIFYING OFFICIAL

I CERTIFY UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT

PRINTED NAME AND TITLE

Graham Theobald

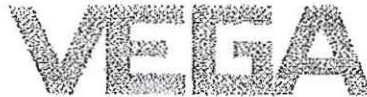
SIGNATURE



DATE

20 March 2013

WARNING: FALSE STATEMENTS IN THIS CERTIFICATE MAY BE SUBJECT TO CIVIL AND/OR CRIMINAL PENALTIES. NRC REGULATIONS REQUIRE THAT SUBMISSIONS TO THE NRC BE COMPLETE AND ACCURATE IN ALL MATERIAL RESPECT. 18 U.S.C. SECTION 1001 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.



VEGA Americas, Inc.
4241 Allendorf Drive
Cincinnati, OH 45209 USA

[toll] 800.FOR.LEVEL
[toll] 513.272.0131
[fax] 513.272.0133
americas@vega.com
www.vega-americas.com

February 13, 2013

Mr. Mike Jensen
EG&G Defense Materials Inc
Camds Engineering Division SFAE-CD-DE Bldg. 5120
Stockton, UT 84071
USA

RE: Your PO#: DMP76391
VEGA SO#: 6163596

Mr. Mike Jensen

This is to acknowledge the receipt of the following:

One (1) model VEGA / SH-F1 source holder containing 50mCi, CS-137 source capsule, SerNo# M-6637, original SO# UT92-010-0218
One (1) model VEGA / SH-F1 source holder containing 50mCi, CS-137 source capsule, SerNo# M-6638, original SO# UT92-010-0218
One (1) model VEGA / SH-F1 source holder containing 50mCi, CS-137 source capsule, SerNo# M-6639, original SO# UT92-010-0218
One (1) model VEGA / SH-F1 source holder containing 50mCi, CS-137 source capsule, SerNo# M-6640, original SO# UT92-010-0218
One (1) model VEGA / SH-F1 source holder containing 50mCi, CS-137 source capsule, SerNo# M-6641, original SO# UT92-010-0218
One (1) model VEGA / SH-F1 source holder containing 120mCi, CS-137 source capsule, SerNo# M-6978, original SO# UT92-010-0218
One (1) model VEGA / SH-F1 source holder containing 120mCi, CS-137 source capsule, SerNo# M-6979, original SO# UT92-010-0218

Possession of this material is taken at the EG&G Defense Materials Inc

We accept this material and the transfer of ownership to VEGA Americas, Inc. We will handle it in strict accordance with the provisions of our license, with the regulations of the U.S. Nuclear Regulatory Commission, the regulations of the U.S. Department of Transportation and any other applicable laws or regulations.

If you have any additional questions, please do not hesitate to contact us.

Sincerely,

Maurits Hartog
Radiation Safety Officer
Nuclear Services

VEGA Americas, Inc. State of Ohio License Number 0321431000

c: File

STRAIGHT BILL OF LADING - SHORT FORM
ORIGINAL - NOT NEGOTIABLE

1 OF 1

Con-way (Name of Carrier)
RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.
From: EG&G DEFENSE MATERIALS STOCKTON, UT
Company: Deseret Chemical Depot - TOCDEF
Address: 11800 Stark Road
Stockton, UT 84071

The property described below, in apparent good order, except as noted (content and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading Set forth (1) in Official, Southern, Western and Illinois Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classifications or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to: QSA Global
Destination: 6765 Langley Drive Baton Rouge, LA 70809
Route:

No. Pkg.	H/ M	Kind of Packages, Description of Articles, Special Marks and Exceptions	*Weight Sub. to Car.	Principal Radioactive Contents	Activity of Contents	T.I.	Type Label Radioactive
1 of 2	X	UN 3332, RADIOACTIVE MATERIAL, TYPE A PACKAGE, SPECIAL FORM, 7 1 Crate STC 4 CASK[S]	725#	Cs-137	7.4 GBq (200 mCi)	0.9	Yellow II
2 of 2	X	UN 3332, RADIOACTIVE MATERIAL, TYPE A PACKAGE, SPECIAL FORM, 7 1 Crate STC 3 CASK[S]	500#	Cs-137	10.73 GBq (290 mCi)	0.4	Yellow II
No Placards Required Semi-Metallic Solid Material							
This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation, according to applicable regulations of the Department of Transportation.							
24 Hour Emergency Contact: 1-703-527-3887 Contract 14240							

SHIPPER'S REF. NO. 6163596-9800
MATERIAL RETURN AUTHORIZATION NO. 30360

Third Party Bill To: WWE, POB 132518, Dallas, TX 75313

Prepaid ☐

Collect ☐

SIGNATURE OF PERSON PREPARING THE SHIPMENT

NAME OF COMPANY VEGA Americas, Inc.
PREPARING 4241 Allendorf Dr
SHIPMENT Cincinnati, OH 45209

RECEIVED BY

Received date

NAME AND ADDRESS VEGA Americas, Inc.
OF OWNER/SHIPPER 4241 Allendorf Dr
Cincinnati, OH 45209

OWNER'S SIGNATURE

Date signed

14-Feb-13

580288

F.S. # 6163598-0000

MRA # 30380

SKID # 1 of 2

HIGHEST SURFACE FIELD
(SEE NOTE #3)
TRANSPORT INDEX
(SEE NOTE #3)

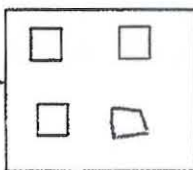
3.61

0.9

SOURCE HOLDER(S) PACKED ON SKID

IN BOX 4

SEE NOTES #1 & 2

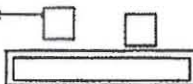


#1 SO/CO # UT92-010-0218
SOURCE HOLDER LOCKED "OFF" yes
SOURCE HOLDER MODEL SH-F1-0
SOURCE MATERIAL Cs-137
SOURCE ACTIVITY 50 mCi (1 mCi=0.037GBq)
SOURCE SERIAL # M-6841
ORIGINAL SHIP DATE Jun-92
GROSS CONTAMINATION CHECKED yes
LEAK TEST PERFORMED yes

#3 SO/CO # UT92-010-0218
SOURCE HOLDER LOCKED "OFF" yes
SOURCE HOLDER MODEL SH-F1-0
SOURCE MATERIAL Cs-137
SOURCE ACTIVITY 50 mCi (1 mCi=0.037GBq)
SOURCE SERIAL # M-6839
ORIGINAL SHIP DATE Jun-92
GROSS CONTAMINATION CHECKED yes
LEAK TEST PERFORMED yes

Highest Field

SEE NOTES #1 & 2



#2 SO/CO # UT92-010-0218
SOURCE HOLDER LOCKED "OFF" yes
SOURCE HOLDER MODEL SH-F1-0
SOURCE MATERIAL Cs-137
SOURCE ACTIVITY 50 mCi (1 mCi=0.037GBq)
SOURCE SERIAL # M-6840
ORIGINAL SHIP DATE Jun-92
GROSS CONTAMINATION CHECKED yes
LEAK TEST PERFORMED yes

#4 SO/CO # UT92-010-0218
SOURCE HOLDER LOCKED "OFF" yes
SOURCE HOLDER MODEL SH-F1-0
SOURCE MATERIAL Cs-137
SOURCE ACTIVITY 50 mCi (1 mCi=0.037GBq)
SOURCE SERIAL # M-6837
ORIGINAL SHIP DATE Jun-92
GROSS CONTAMINATION CHECKED yes
LEAK TEST PERFORMED yes

Survey Meter

MFG. SEI
Model # Inspector
Serial # 14820
Last Calibration Date 1/18/2012
Survey By V WELLS Date 2/14/2013

LABELING

DOT TYPE 7A PACKAGE CRATE
OVERPACK NO
HAZARDOUS MATERIAL IDENTIFICATION UN332
WHITE 1 mR/hr SURFACE (SURFACE <0.5mR/hr)
YELLOW II 3.61 mR/hr SURFACE (0.5<SURFACE<50mR/hr)
REPORTABLE QUANTITY (RQ) NO

NOTES:

- 1) INDICATE POSITION OF SOURCE HOLDER ON SKID OR IN BOX
- 2) CHECK EACH SOURCE HOLDER OR EACH SIDE OF BOX FOR THE HIGHEST SURFACE FIELD. INDICATE WHERE THIS FIELD IS LOCATED BY DRAWING AN ARROW ().
- 3) WRITE THE HIGHEST SURFACE FIELD READING IN THE FIELD AT THE TOP OF THIS FORM.
- 4) SURVEY AT 1 METER (39.4 INCHES) FROM THE SURFACE/EDGE OF THE PALLET/BOX AND PAY PARTICULAR ATTENTION TO THE AREA OUT FROM THE HIGHEST SURFACE FIELD. THE TRANSPORT INDEX IS THE DIMENSIONLESS NUMBER (ROUND UP TO THE FIRST DECIMAL PLACE) EXPRESSING THE MAXIMUM RADIATION LEVEL IN MILLIREM PER HOUR AT ONE METER (3.3 FEET) FROM THE EXTERNAL SURFACE OF PACKAGE.

USER NAME EG&G DEFENSE MATERIALS STOCKTON, UT
USER ADDRESS 11600 Stark Road
Stockton, UT 84071
P. O. # DMP78301
CONTACT Rod Chantry
TELEPHONE # 435-943-6708

PROPERTY INFORMATION

65508
VEGA 43K1 Abused Date Chennai, Ohio 45209 USA
RETURNED - SOURCE PACKAGE RADIATION FIELD SURVEY
THIS DOCUMENT INCLUDES INFORMATION WHICH IS PROPRIETARY TO CHARTER. REPAIR THIS DOCUMENT FOR THE INFORMATION DISCLOSED HEREIN SHALL BE USED OR DISCLOSED TO OTHERS FOR ANY PURPOSES EXCEPT AS SPECIFICALLY AUTHORIZED BY CHARTER. THIS DOES NOT APPLY TO INFORMATION FURNISHED BY CHARTER OR OTHERS OUTSIDE CHARTER.

F.S. # 6163500-0800

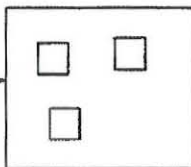
MRA # 30360

SKID # 2 OF 2

HIGHEST SURFACE FIELD
(SEE NOTE #3) 3.39
TRANSPORT INDEX
(SEE NOTE #3) 0.4

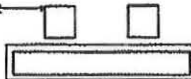
SOURCE HOLDER(S) PACKED ON SKID IN BOX 3

SEE NOTES #1 & 2



Highest Field

SEE NOTES #1 & 2



#1 SO/CO # UT92-010-0218A
SOURCE HOLDER LOCKED "OFF" yes
SOURCE HOLDER MODEL SH-F1-0
SOURCE MATERIAL Cs-137
SOURCE ACTIVITY 120 mCi (1 mCi=0.037GBq)
SOURCE SERIAL # M-6978
ORIGINAL SHIP DATE Jun-92
GROSS CONTAMINATION CHECKED yes
LEAK TEST PERFORMED yes

#3 SO/CO # UT92-010-0218B
SOURCE HOLDER LOCKED "OFF" yes
SOURCE HOLDER MODEL SH-F1-0
SOURCE MATERIAL Cs-137
SOURCE ACTIVITY 120 mCi (1 mCi=0.037GBq)
SOURCE SERIAL # M-6979
ORIGINAL SHIP DATE Jun-92
GROSS CONTAMINATION CHECKED yes
LEAK TEST PERFORMED yes

#2 SO/CO # UT92-010-0218
SOURCE HOLDER LOCKED "OFF" yes
SOURCE HOLDER MODEL SH-F1-0
SOURCE MATERIAL Cs-137
SOURCE ACTIVITY 60 mCi (1 mCi=0.037GBq)
SOURCE SERIAL # M-6638
ORIGINAL SHIP DATE Jun-92
GROSS CONTAMINATION CHECKED yes
LEAK TEST PERFORMED yes

#4 SO/CO # ~~UT92-010-0218C~~
~~SOURCE HOLDER LOCKED "OFF"~~
~~SOURCE HOLDER MODEL SH-F1-0~~
~~SOURCE MATERIAL Cs-137~~
~~SOURCE ACTIVITY mCi (1 mCi=0.037GBq)~~
~~SOURCE SERIAL # M-6639~~
~~ORIGINAL SHIP DATE Jun-92~~
~~GROSS CONTAMINATION CHECKED~~
~~LEAK TEST PERFORMED~~

Survey Meter

MFG. SEI
Model # Inspector
Serial # 14820
Last Calibration Date 1/18/2012
Survey By V WELLS Date 2/14/2013

LABELING

DOT TYPE 7A PACKAGE CRATE
OVERPACK NO
HAZARDOUS MATERIAL IDENTIFICATION UN332
WHITE 1 mR/hr SURFACE (SURFACE <0.5mR/hr)
YELLOW II 3.39 mR/hr SURFACE (0.5<SURFACE<50mR/hr)
REPORTABLE QUANTITY (RQ) NO

NOTES:

- 1) INDICATE POSITION OF SOURCE HOLDER ON SKID OR IN BOX
- 2) CHECK EACH SOURCE HOLDER OR EACH SIDE OF BOX FOR THE HIGHEST SURFACE FIELD. INDICATE WHERE THIS FIELD IS LOCATED BY DRAWING AN ARROW ().
- 3) WRITE THE HIGHEST SURFACE FIELD READING IN THE FIELD AT THE TOP OF THIS FORM.
- 4) SURVEY AT 1 METER (39.4 INCHES) FROM THE SURFACE/EDGE OF THE PALLET/BOX AND PAY PARTICULAR ATTENTION TO THE AREA OUT FROM THE HIGHEST SURFACE FIELD. THE TRANSPORT INDEX IS THE DIMENSIONLESS NUMBER (ROUND UP TO THE FIRST DECIMAL PLACE) EXPRESSING THE MAXIMUM RADIATION LEVEL IN MILLIREM PER HOUR AT ONE METER (3.3 FEET) FROM THE EXTERNAL SURFACE OF PACKAGE.

USER NAME EG&G DEFENSE MATERIALS STOCKTON, UT
USER ADDRESS 11600 Sterk Road
Stockton, UT 84071
P. O. # DMP78391
CONTACT Rod Cheney
TELEPHONE # 435-843-6706

VEGA	
4241 Alondra Drive Cincinnati, Ohio 45209 USA	
RETURNED - SOURCE PACKAGE RADIATION FIELD SURVEY	
THIS DOCUMENT INCLUDES INFORMATION WHICH IS PROPRIETARY TO EG&G, INC. AND IS NOT TO BE DISCLOSED OR REPRODUCED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF EG&G, INC. OR ITS SUBSIDIARIES. THIS DOCUMENT IS NOT TO BE USED FOR ANY OTHER PURPOSES WITHOUT THE WRITTEN PERMISSION OF EG&G, INC. OR ITS SUBSIDIARIES.	

POTENTIAL HAZARDS

HEALTH

- Radiation presents minimal risk to transport workers, emergency response personnel and the public during transportation accidents. Packaging durability increases as potential hazard of radioactive content increases.
- Undamaged packages are safe; contents of damaged packages may cause external radiation exposure, and much higher external exposure if contents (source capsules) are released.
- Contamination and internal radiation hazards are not expected, but not impossible.
- Type A packages (cartons, boxes, drums, articles, etc.) identified as "Type A" by marking on packages or by shipping papers contain non-life endangering amounts. Radioactive sources may be released if "Type A" packages are damaged in moderately severe accidents.
- Type B packages, and the rarely occurring Type C packages, (large and small, usually metal) contain the most hazardous amounts. They can be identified by package markings or by shipping papers. Life threatening conditions may exist only if contents are released or package shielding fails. Because of design, evaluation and testing of packages, these conditions would be expected only for accidents of utmost severity.
- Radioactive White-I labels indicate radiation levels outside single, isolated, undamaged packages are very low (less than 0.005 mSv/h (0.5 mrem/h)).
- Radioactive Yellow-II and Yellow-III labeled packages have higher radiation levels. The transport index (TI) on the label identifies the maximum radiation level in mrem/h one meter from a single, isolated, undamaged package.
- Radiation from the package contents, usually in durable metal capsules, can be detected by most radiation instruments.
- Water from cargo fire control is not expected to cause pollution.

FIRE OR EXPLOSION

- Packagings can burn completely without risk of content loss from sealed source capsule.
- Radioactivity does not change flammability or other properties of materials.
- Radioactive source capsules and Type B packages are designed and evaluated to withstand total engulfment in flames at temperatures of 800°C (1475°F) for a period of 30 minutes.

PUBLIC SAFETY

- **CALL** Emergency Response Telephone Number on Shipping Paper first. If Shipping Paper not available or no answer, refer to appropriate telephone number listed on the inside back cover.
- Priorities for rescue, life-saving, first aid, fire control and other hazards are higher than the priority for measuring radiation levels.
- Radiation Authority must be notified of accident conditions. Radiation Authority is usually responsible for decisions about radiological consequences and closure of emergencies.
- As an immediate precautionary measure, isolate spill or leak area for at least 25 meters (75 feet) in all directions.
- Stay upwind. • Keep unauthorized personnel away.
- Delay final cleanup until instructions or advice is received from Radiation Authority.

PROTECTIVE CLOTHING

- Positive pressure self-contained breathing apparatus (SCBA) and structural firefighters' protective clothing will provide adequate protection against internal radiation exposure, but not external radiation exposure.

EVACUATION

Large Spill

- Consider initial downwind evacuation for at least 100 meters (330 feet).

Fire

- When a large quantity of this material is involved in a major fire, consider an initial evacuation distance of 300 meters (1000 feet) in all directions.

EMERGENCY RESPONSE

FIRE

- Presence of radioactive material will not influence the fire control processes and should not influence selection of techniques.
- Move containers from fire area if you can do it without risk.
- Do not move damaged packages; move undamaged packages out of fire zone.

Small Fire

- Dry chemical, CO₂, water spray or regular foam.

Large Fire

- Water spray, fog (flooding amounts).

SPILL OR LEAK

- Do not touch damaged packages or spilled material.
- Damp surfaces on undamaged or slightly damaged packages are seldom an indication of packaging failure. Contents are seldom liquid. Content is usually a metal capsule, easily seen if released from package.
- If source capsule is identified as being out of package, **DO NOT TOUCH**. Stay away and await advice from Radiation Authority.

FIRST AID

- Call 911 or emergency medical service.
- Medical problems take priority over radiological concerns.
- Use first aid treatment according to the nature of the injury.
- Do not delay care and transport of a seriously injured person.
- Persons exposed to special form sources are not likely to be contaminated with radioactive material.
- Give artificial respiration if victim is not breathing.
- Administer oxygen if breathing is difficult.
- Injured persons contaminated by contact with released material are not a serious hazard to health care personnel, equipment or facilities.
- Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.

Ohmart/VEGA Corporation
4241 Allendorf Drive
Cincinnati, OH 45208
Phone: (513) 272-0131
Fax: (513) 272-4381
1-800-543-8668
nuclearservices@ohmartvega.com



www.energylab.com
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Helena, MT 877-472-0711 • Billings, MT 800-735-4488 • Casper, WY 888-235-0515
Gillette, WY 866-686-7175 • Rapid City, SD 888-672-1225 • College Station, TX 888-690-2218

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



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Analytical Excellence Since 1952

Helena, MT 877-472-0711 • Billings, MT 800-735-4489 • Casper, WY 888-235-0516
Gillette, WY 866-686-7175 • Rapid City, SD 888-672-1225 • College Station, TX 888-690-2218

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.



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Gillette, WY 866-686-7175 • Rapid City, SD 888-672-1225 • College Station, TX 888-690-2218

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



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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: C12120573-002
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: 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

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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: C12120573-003
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: 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



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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: 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

11 580288



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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.
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

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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: C12120573-007
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.
MDC - Minimum detectable concentration

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



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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 (±)		0.5 dpm/100 cm2								
Gross Beta MDC		0.7 dpm/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.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

R - RPD exceeds advisory limit.



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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			12/18/12 08:00
Cesium 137		39800	pCi/g-dry	0.3	103	70	130			
Sample ID: MB-R168401	2	Method Blank					Run: GAM-HPGE_121218A			12/18/12 08:00
Cesium 137		ND	pCi/g-dry							U
Cesium 137 precision (±)		ND	pCi/g-dry							
Sample ID: C12120573-007ADUP	2	Sample Duplicate					Run: GAM-HPGE_121218A			12/18/12 08:00
Cesium 137		ND	pCi/filter	0.3					20	U
Cesium 137 precision (±)		ND	pCi/filter							

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



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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\kmiller

Received by: th

Reviewed Date: 12/20/2012

Carrier FedEx
name:

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

Contact and Corrective Action Comments:

None

580288



Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT (Provide as much information as possible.)

Company Name: URS		Project Name, PWS, Permit, Etc. DFS Jam Sensor Removal		Sample Origin State: Utah		EPA/State Compliance: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Report Mail Address: 11600 Stark Road, Stockton, Utah 84071		Contact Name: Graham Theobald		Phone/Fax: 435 830-7418		Email: graham.theobald@urs.com	
Invoice Address: 11600 Stark Road, Stockton, UT 84071		Invoice Contact & Phone: Randi Galvan		Purchase Order:		Quote/Bottle Order:	
Special Report/Formats: <input type="checkbox"/> DW <input type="checkbox"/> POTW/WWTP <input type="checkbox"/> State: <input checked="" type="checkbox"/> Other: NRC <input type="checkbox"/> EDD/EDT (Electronic Data) Format: <input type="checkbox"/> LEVEL IV <input type="checkbox"/> NELAC		ANALYSIS REQUESTED Number of Containers Sample Type: AWSVBODW Air Water Soils/Solids Vegetation Bioassay Other DW - Drinking Water Cesium 137		SEE ATTACHED Standard Turnaround (TAT) RUSH		Contact ELI prior to RUSH sample submittal for charges and scheduling -- See Instruction Page Comments: Jam sensor serial number	
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)		Collection Date	Collection Time	MATRIX	Shipped by: Fedex-ES Cooler ID(s): 4077 Receipt Temp: 14.0 °C On Ice: <input checked="" type="checkbox"/> Custody Seal On Bottle: <input checked="" type="checkbox"/> On Cooler: <input checked="" type="checkbox"/> Intact: <input checked="" type="checkbox"/> Signature Match: <input checked="" type="checkbox"/>		
1 12132012GT-01		12/13/12	0930	1-0	X	X	M-6640
2 12132012GT-02		12/13/12	0945	1-0	X	X	M-6641
3 12132012GT-03		12/13/12	1000	1-0	X	X	M-6637
4 12132012GT-04		12/13/12	1015	1-0	X	X	M-6639
5 12132012GT-05		12/13/12	1030	1-0	X	X	M-6638
6 12132012GT-06		12/13/12	1045	1-0	X	X	M-6678
7 12132012GT-07		12/13/12	1100	1-0	X	X	M-6679
8							
9							
10							
Custody Record MUST be Signed		Relinquished by (print): Graham Theobald		Date/Time: 13 December 2013 1300		Signature: [Signature]	
		Relinquished by (print):		Date/Time:		Signature:	
		Sample Disposal: Return to Client:		Lab Disposal: X		Received by Laboratory: 12/12/1000	

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly noted on your analytical report.

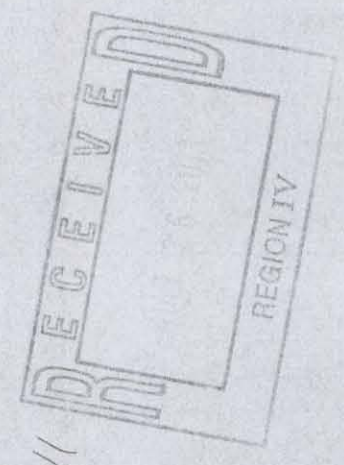
Material Radiation Protection Section
U.S. Nuclear Regulatory Commission Region IV
1600 East Lamar Boulevard
Arlington, TX 76011-4511



RECEIVED

MAR 26 2013

DNMS



RECEIVED

MAR 26 2013

DNMS

UT 84071

580288



DATE

04/01/2013

NAME AND ADDRESS OF APPLICANT AND/OR LICENSEE EG&G Defense Materials, Inc. Tooele Chemical Disposal Facility ATTN: Graham Theobald Radiation Safety Officer 11600 Stark Road Tooele, UT 84074	LICENSE NUMBER 43-27467-01
	MAIL CONTROL NUMBER 580288
	LICENSING AND/OR TECHNICAL REVIEWER ch

This is to acknowledge the receipt of your:

☒ LETTER and/or ☒ APPLICATION DATED: MAR 20 2013

The initial processing, which included an administrative review, has been performed.

☐ AMENDMENT ☒ TERMINATION ☐ NEW LICENSE ☐ RENEWAL

- ☒ There were no administrative omissions identified during our initial review.
- ☐ This is to acknowledge receipt of your application for renewal of the material(s) license identified above. Your application is deemed timely filed, and accordingly, the license will not expire until final action has been taken by this office.
- ☐ Your application for a new NRC license did not include your taxpayer identification number. Please fill out NRC Form 531, located at the following link:

<http://www.nrc.gov/reading-rm/doc-collections/forms/nrc531.pdf>

Send the completed NRC Form 531, by facsimile, to the following number: (301) 415-5387

A copy of your action has been emailed to our License Fee and Accounts Receivable Branch, in our Headquarters office in Rockville, MD. You will be contacted separately if there is a fee issue involved.

Your application has been assigned the above listed **MAIL CONTROL NUMBER**. When calling to inquire about this action, please refer to this control number. Your application has been forwarded to a technical reviewer. Please note that the technical review, which is normally completed within 180 days for a renewal application (90 days for all other requests), may identify additional omissions or require additional information. If you have any questions concerning the processing of your application, our contact information is listed below:

Region IV
U. S. Nuclear Regulatory Commission
DNMS/NMSB - B
1600 E. Lamar Boulevard
Arlington, TX 76011-4511
(817) 200-1103 or (817) 200-1140

✓ 4/1/13

BETWEEN:

Accounts Receivable/Payable
and
Regional Licensing Branches

[FOR ARPB USE]
INFORMATION FROM WBL

Program Code: 03120
Status Code: Pending Termination
Fee Category: 3P
Exp. Date:
Fee Comments:
Decom Fin Assur Req'd: N

License Fee Worksheet - License Fee Transmittal

A. REGION

1. APPLICATION ATTACHED

Applicant/Licensee: EG&G DEFENSE MATERIAL, INC.
Received Date: 03/20/2013
Docket Number: 3033146
Mail Control Number: 580288
License Number: 43-27467-01
Action Type: Termination

2. FEE ATTACHED

Amount: _____

Check No.: _____

3. COMMENTS

Signed: _____

Date: _____

Carol L. Heice
4/1/13

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered / /)

1. Fee Category and Amount: _____

2. Correct Fee Paid. Application may be processed for:

Amendment: _____

Renewal: _____

License: _____

3. OTHER _____

Signed: _____

Date: _____