

Br. 4

Shaw Environmental & Infrastructure, Inc.

100 Technology Center Drive
Stoughton, MA
614.589.5111
FAX 617.589.2156



August 27, 2010

Licensing Assistance Team
Division of Nuclear Materials Safety
U.S. Nuclear Regulatory Commission, Region 1
475 Allendale Road,
King of Prussia, PA 19406-1415

Licensing Assistance Team,

03037850

This letter serves as notice that Shaw field activities with radioactive materials at El Toro Marine Corps Air Station, CA under our Materials License Number 20-31340-01 were completed July 29, 2010, and all radioactive materials generated at this temporary job site were transferred to licensed disposal facilities on or prior to July 14, 2010. (Copies of shipping papers attached).

Mr. Tom Peterson, 207-939-4886, is the License RSO; Mr. John Massey, 925-681-9209 was the Project RSO/Authorized User; and Mr. John Hamm, 505-259-1232, was the alternate Project RSO/Authorized User.

If additional information is required please contact Mr. Hamm or me directly at the listed numbers.

Sincerely,

For
Thomas A. Peterson
Shaw Radiation Safety Officer

573426
NMSS/RGN1 MATERIALS-002



☐ US Ecology Nevada (Beatty)
Fax (775) 553-2125
☒ US Ecology Idaho (Grand View)
Fax (208) 834-2919

☐ US Ecology Texas (Robstown)
Fax (361) 387-0794

Profile #: 24233

A. CUSTOMER INFORMATION

*Waste as shipped will be: ☐ Industrial ☐ NON - Industrial *(Texas customers only)

Generator: Former Marine Corps Air Station-El Toro

Facility Address: Site 3
(No PO Box)

Mailing Address

City/State/Zip: East Irvine, CA 92650

Technical Contact: Richard Thatcher (AWS Shipping Broker)

Phone: 803-507-1529

Fax: 803-279-7337

NAICS#

☐ CESQG

☐ SQG

☐ LQG

EPA ID

State ID#

☒ Check if Billing is Same

Billing Company: Aleut World Solutions

Billing Address: 4300 B Street, Ste. 402

City/State/Zip: Anchorage, AK 99503

Billing Contact: Mike Taylor

Phone No.: 907-762-8520

Fax No.: 907-278-2316

Email: mtaylor@bseak.com

B. SHIPPING INFORMATION

1 US DOT Shipping Name Non-Hazardous, Non-Regulated DOT material (soil)

2 Hazard Class

3 UN/NA #

4 Packaging Group

5 RQ

6 Container Type: ☒ Bulk ☐ Totes ☐ Pallet

Size 20 yd3

7 Frequency:

☐ Year

☐ QTR

☐ Month

☐ Boxes

☐ Bags

☐ Drums

☒ Other

Roll-Off Bin

Quantity 4

☒ 1 Time

☐ Other

C. GENERAL MATERIAL & REGULATORY INFORMATION

1. Common name for this waste Contaminated soil

2. Process generating the material Former military base which did store radioactive materials, area is now under the Installation Restoration Program (IRP)

(include additional sheets as necessary)

3. Describe Physical Appearance of Waste

4. Describe odor of waste: ☒ None ☐ Slight ☐ Strong Describe:

5. Knowledge is from: ☒ Lab Analysis ☐ MSDS ☐ Process/Generator knowledge ☐ Other (specify)

☐ Yes ☒ No Is the material <500 PPMW VOC as generated

☐ Yes ☒ No Is the waste restricted under EPA Land Disposal Restrictions

☐ Yes ☒ No Waste Subject to Benzene NESHAP regulations

(40 CFR 268), if yes please complete LDR form

☐ Yes ☒ No State waste codes

☐ Wastewater ☒ Non-wastewater ☒ Debris

☐ Yes ☒ No CERCLA Regulated (Superfund) Waste

☒ Yes ☒ No Exempt Waste: If yes, list ref. 40 CFR

☐ Yes ☒ No EPA Haz. Waste (list codes)

☐ Yes ☒ No Contains UHCs/Constituents of Concern: List in section D

☐ Yes ☒ No Has the waste been treated after the initial point of generation?

☐ Yes ☒ No Subpart XX

☐ Yes ☒ No Alternative standards for Soil?

Source Code G

Form Code W

Mgt. Method H

D. MATERIAL COMPOSITION (Physical/Chemical)

(Range Total > or = 100%) Values are ☐ TCLP ☐ TOTALS

(include additional sheets as necessary)

typical value unit range

soil 90%

debris 10%

E. Does the waste exhibit or contain the following:

☐ Yes ☒ No Oxidizer

☐ Yes ☒ No React. Sulfides ppm

☐ Yes ☒ No Explosive

☐ Yes ☒ No React. Cyanides ppm

☐ Yes ☒ No Organic Peroxide

☐ Yes ☒ No Water/Air (Pyrophoric) React

☐ Yes ☒ No Shock Sensitive

☐ Yes ☒ No Thermally Unstable

☐ Yes ☒ No Tires

☐ Yes ☒ No TSCA Regulated PCB Waste

☐ Yes ☒ No Pyrophoric

☐ Yes ☒ No Regulated Medical/Infectious Waste

☐ Yes ☒ No Radioactive**

☐ Yes ☒ No Compressed Gases

☒ Yes ☐ No Exempt RAD**

**Additional Radiological info is provided in USEP's WAC Addendum

☐ Yes ☒ No Halogenated Organic Compounds? (per 40 CFR 268, Appendix III)

F. PHYSICAL CHARACTERISTICS

Flash Point: °F (if <140°F) 2. Typical pH: 7.7 pH Range: ☐ <2

☐ Yes ☒ No Possibility of incidental liquids from transportation?

☐ >2, <12.50

☐ Yes ☐ No Does waste pass the EPA specified paint filter test?

☐ ≥ 12.5

G. GENERATOR'S CERTIFICATION:

☒ Yes ☐ No I certify this material may be disposed of without further treatment.

Certification Statement: I certify under penalty of law that I am familiar with this waste stream through analysis and/or process knowledge, and that all information provided is true, accurate, representative and complete, and that all known or suspected hazards have been disclosed.

Furthermore, I certify that this form was completed in accordance with the instructions provided.

Signature: Richard Thatcher

Print Name: Richard Thatcher

Title: AWS Shipping Broker

Date: 6/15/2010

Facility use only

First review

Second review

Final review:

Date approved:

Date Denied:

WASTE ACCEPTANCE CRITERIA ADDENDUM

Generator: MCAS-EL TORO EAST ERVINE, CA Date: 6/15/10
Contact: RICHARD THATCHER Phone: 803-279-7337
Common Name of Material: CONTAMINATED SOIL
Description: _____
Identify which table applies to the material (see below): TABLE 2
Comments: SOIL CONTAMINATED WITH Ra226 @ 145 pCi/g

Determine which table, from the USEI Waste Acceptance Criteria (WAC), applies to the waste you intend to ship to USEI (Tables 1 - 4).

1. If Table 1 applies, does the material only contain U_{238} or only Th_{232} or both?
- a.) If only U_{238} or only Th_{232} , is present, then use the value/concentration listed under Table 1 for Natural Uranium and Natural Thorium as the limit.
- b.) If both are present, then use the following formulas as appropriate:

For natural uranium and natural thorium mixture:

$$\{ \text{Conc. U} / 141 \text{ pCi/g} + \text{Conc. Th} / 110 \text{ pCi/g} \} \leq 1 \text{ and } \{ (\text{pCi/g U} \times 14) + (\text{pCi/g Th} \times 10) \} \leq 2000 \text{ pCi/g}$$

For refined uranium and thorium mixture:

$$\{ \text{Conc. U} / 333 \text{ pCi/g} + \text{Conc. Th} / 110 \} \leq 1 \text{ and } \{ (\text{pCi/g U} \times 5) + (\text{pCi/g Th} \times 10) \} \leq 2000 \text{ pCi/g}$$

For depleted uranium and thorium mixture:

$$\{ \text{Conc. U} / 169 \text{ pCi/g} + \text{Conc. Th} / 110 \text{ pCi/g} \} \leq 1 \text{ and } \{ (\text{pCi/g U} \times 4) + (\text{pCi/g Th} \times 10) \} \leq 2000 \text{ pCi/g}$$

Note: Absent strong evidence to the contrary, Th-232 will routinely be considered to be in 100% equilibrium with its progeny.

Calculations (add extra sheets as necessary)

- c.) If Th-230 is the only source material present, then choose the appropriate limit from the two available selections.

2. If Table 2 applies then choose one of the following:



Is the material Radium 226 or 228?

Note: Ra-226 and Ra-228 will routinely be considered completely in equilibrium with their progeny.

If yes, use Table 2 directly

b) Is the material Lead 210?

Note: Lead-210 will routinely be considered completely in equilibrium with its progeny.

If yes, use Table 2 directly

c) Is the material anything other than NORM?

3. If Table 3 applies, then

Use Table 3 directly

To establish whether the material was a "non-production" accelerator and eligible under Table 3, the generator needs to establish what was the purpose of the accelerator that produced the waste; and whether the accelerator ever used to produce radioactive material for industrial use, medical use or academic research. If it was a "production" accelerator, the material may be accepted under the terms of Table 4b.

Note: You must provide an inventory estimate of the radioactive content of each container. (Please list by isotope.)

Radioactive Estimate by Container and Isotope: _____

Dose rate on exterior of package: _____

Note: You can add additional sheets, if necessary

4. If Table 4a applies, then

Use Table 4a directly

Note: You must provide an inventory estimate of the radioactive content of each container. (Please list by isotope.)

Radioactive Estimate by Container and Isotope: _____

➤ When using Table 4a or 4b please note the following:

1. Material must be transported in accordance with DOT rules and regulations
2. Individual packages can bear White I or Yellow II Labels as long as the maximum surface dose rate on any package does not exceed 10 mrem/hr. Contact a Customer Service Representative or Sales Representative if you need help with packaging requirements. Depending on the scope, USEI may charge for this service.
3. Provide specific reference for NRC exemption

Citation(s) for Exemption(s) from 10 CFR: _____

If Table 4b applies then:

- (a) Is the approved for disposal in accordance with 20.2008(b) or equivalent Agreement State regulation?
➤ If so, provide a copy of the exemption.
- (b) Has the waste been approved by the NRC or an Agreement State for alternate disposal in accordance with 10 CFR 20.2002 (or equivalent)?
➤ If so provide a copy of the approval request, exemption and/or FONSI.
- (c) Was the material approved for alternate disposal via a decommissioning plan or license amendment?
➤ If so provide a copy of the license or plan
- (d) The material is similar to table 4b but is not regulated or licensed by the NRC or an Agreement State.
➤ Provide documentation that the radioactive material is unlicensed. This could be a release of property for unrestricted use by the NRC or a transfer of regulatory authority from NRC to another federal agency, i.e., the EPA or USACE, etc. or a release for unrestricted use by an agreement state, etc.

Placarding Required? NO If yes, what type _____

Certification Statement: I certify that the contents of the packages being shipped to US Ecology Idaho (USEI) are exempt from regulation by the US Nuclear Regulatory Commission in accordance with 10CFR (list each section of the NRC regulations that contains an exemption for each type of device or item in the shipment, or are not licensed by the NRC or an agreement state.)

RICHARD THATCHER , AWS SHIPPING BROKER
Name/Title (Please Print)
Richard Thatcher
Signature
6/15/10
Date

Material Inventory

	Roll-off Number	Gross # pounds	Tare lbs	WT of material pounds	WT of material grams	Ra-226 145 pCi/g mCi	Total MBq
1	DB-405	33,460	4500	28960	13147840	1.91	70.54
2	DB-414	35,240	4500	30740	13955960	2.02	74.87
3	DB-923	35,920	4500	31420	14264680	2.07	76.53
Totals		104620		91120		6	222

SHIPMENT No USN 2010-001-B

DATE. **6/23/2010**

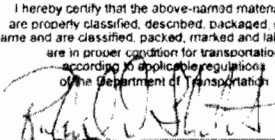
WSID No., **24233**

TO:		FROM:	
CONSIGNEE:	USE Idaho	CONSIGNOR:	AWS for Marine Corps Air Station-EI Toro
STREET:	10.5 Miles NW on Hwy 78, Lemley Road	STREET:	IRP Site Landfill Capping
CITY:	Grand View	CITY:	East Ervine
	STATE: ID		STATE: CA
ZIP CODE:	83624	ZIP CODE:	92650
	PHONE: 800-274-1516		PHONE: 803-507-1529

803-507-1529

Truck No.

Trailer No.

NO OF UNITS & CONTAINER TYPE	HM	BASIC DESCRIPTION (PROPER SHIPPING NAME, HAZARD CLASS, IDENTIFICATION NO (UN OR NA), PACKING GROUP, PER 172.101, 172.202, 172.203)	TOTAL QUANTITY (cubic yard)	Gross WEIGHT (lbs)	NET WEIGHT (lbs)
1 Roll-off DB-405		Non-regulated DOT material (Soil)		33460	28960
<div style="display: flex; justify-content: space-between;"> Placards TENDERED: NO Remit C.O.D. to C.O.D. Amt. \$ </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>Note: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.</p> <p>The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding</p> </div> <div style="width: 40%; text-align: center;"> <p>I hereby certify that the above-named materials are properly classified, described, packaged, marked, name and are classified, packed, marked and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation.</p>  <p>Signature</p> </div> <div style="width: 25%;"> <p>Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without inclusion on the consignment, the consignee shall sign the following statement: This carrier shall not accept delivery of this shipment without payment of freight and applicable bond charges.</p> </div> <div style="width: 20%;"> <p>Prepaid Collect \$</p> <p>Total Charges \$</p> <p>Freight Charges</p> <p>Freight Prepaid</p> <p>Check box if charges</p> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> 1 cB.40 per lb. error when box is open checked are to be collected </div>					

RECEIVED BY, subject to the clarifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and conditions of contents of packages unknown), marked, consigned and destined as indicated above which said carrier (the word "carrier" being understood throughout the 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, on its own 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 said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Shipper:	AWS for Marine Corps Air Station El Toro	Received By:	USE Idaho
Signature:	<i>Richard C. Smith</i>	Signature:	
Title:	Broker, Agent for US Army JMC	Title:	
Date:	6/23/10	Date:	

Carrier No. 1	Denbeste Transportation
Signature:	D-1413 Date 6/28/10

SHIPMENT No: **USN 2010-001-A**

DATE: **6/23/2010**

WSID No.: **24233**

24 HOUR EMERGENCY RESPONSE TELEPHONE No: 803-507-1529

Truck No.

Trailer No.

PLACARDS TENDERED:		NO		Remit C.O.D. to																									
<p>Note: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.</p> <p>The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding</p> <p>\$ 0.40 per lb.</p>		<p>I hereby certify that the above-named materials are properly classified, described, packaged, marked name and are classified, packed, marked and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation.</p> <p><i>[Signature]</i></p> <p>Signature</p>		<table border="1"> <thead> <tr> <th>C.O.D.</th> <th>Amount</th> <th>Prepaid Collect</th> <th>C.O.D. Type</th> </tr> </thead> <tbody> <tr> <td colspan="2">Subject to Section 7 of the conventions, if this statement is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:— "We declare that we will not deliver</td> <td>\$</td> <td></td> </tr> <tr> <td colspan="2"></td> <td>Total Charges</td> <td>\$</td> </tr> <tr> <td colspan="2"></td> <td>Freight Charges</td> <td></td> </tr> <tr> <td colspan="2"></td> <td>Freight Inspection</td> <td>Check box if charges</td> </tr> <tr> <td colspan="2">if this statement without payment of freight and other charges is to be</td> <td>Amount when box is</td> <td>are to be</td> </tr> </tbody> </table>		C.O.D.	Amount	Prepaid Collect	C.O.D. Type	Subject to Section 7 of the conventions, if this statement is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:— "We declare that we will not deliver		\$				Total Charges	\$			Freight Charges				Freight Inspection	Check box if charges	if this statement without payment of freight and other charges is to be		Amount when box is	are to be
C.O.D.	Amount	Prepaid Collect	C.O.D. Type																										
Subject to Section 7 of the conventions, if this statement is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:— "We declare that we will not deliver		\$																											
		Total Charges	\$																										
		Freight Charges																											
		Freight Inspection	Check box if charges																										
if this statement without payment of freight and other charges is to be		Amount when box is	are to be																										

RECEIVED, subject to the specifications and lawfully fixed tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents) and conditions of contents of packages unknown; marked, consigned and destined as indicated above; 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 in to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Carrier No 1	Denbeste Transportation
Signature	<i>[Signature]</i> Date <i>6-23-10</i>

SHIPMENT No: USN 2010-001-C

DATE: **6/23/2010**

WSID No., **24233**


TO:		FROM:	
CONSIGNEE:	USE Idaho	CONSIGNOR:	AWS for Marine Corps Air Station-EI Toro
STREET:	10.5 Miles NW on Hwy 78, Lemley Road	STREET:	IRP Site Landfill Capping
CITY:	Grand View	CITY:	East Ervine
	STATE	STATE:	CA
ZIP CODE:	83624	ZIP CODE:	92650
	PHONE		PHONE:
	800-274-1516		803-607-1529

803-507-1529

Truck No. 228

Trailer No. 369

[illegible]

PLACARDS TENDERED.		NO		Remit COD to	
Note: Where the rate is dependent on value, shipper's amt required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding		I hereby certify that the above-named materials are properly classified, described, packaged, marked, name and are classified, packed, marked and labeled, and are in proper condition for transportation according to applicable regulations or the Department of Transportation		CO-2 Amt \$ Subject to Section 7 of the conditions, if this instrument is to be delivered to the consignee without recourse or the consignee, the consignee shall sign the following attestation: The carrier shall not provide delivery of this shipment without payment of freight and all other lawful charges.	
\$ 0.40 per lb.		 Signature		Proposed Collect 5 Total Charges 5 Freight Prepaid Freight Charges Check box if charges	
				except when box is not checked, or to be covered.	

RECEIVED, subject to the classifications and lawfully fixed tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and conditions of contents/packages unknown), marked, consigned and destined as indicated above 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

ward route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Shipper:	AWS for Marine Corps Air Station El Toro	Received By:	USE Idaho
Signature:	<i>[Signature]</i>	Signature:	
Title:	Broker, Agent for US Army JMC	Title:	
Date:	6/23/10	Date:	

Carrier No. 1:	Denbeste Transportation
Signature	<i>[Signature]</i> Date: 6-23-10

Material Inventory

	Roll-off Number	Gross # pounds	Tare lbs	WT of material pounds	WT of material grams	Ra-226 145 pCi/g mCi	Total MBq
1	DB-428	30,700	4500	26200	11894800	1.72	63.82
		30700		26200		2	64

SHIPMENT No: **USN 2010-001-D**

DATE: **7/14/2010**

WSID No.: **24233**

24 HOUR EMERGENCY RESPONSE TELEPHONE No:

803-507-1529

Truck No. 208

Trailer No. 51

PLACARDS TENDERED:

40

Note-Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

\$1.40 per lb.

Ra-226 64 MBq (1.72 mCi)

I hereby certify that the above-named materials are
are properly classified, described, packaged, marked
name and are classified, packed, marked and labeled, and
are in proper condition for transportation
according to applicable regulations
of the Department of Transportation

are in proper condition for transportation
according to applicable regulations
of the Department of Transportation

Andrew J. White Signature

Remit C.O.D. to:

C O D.	Am
--------	----

Subject to Section 7 of the conditions of this statement is to be delivered to the consignee without release on the consignee the consignee shall sign the following statement:
The carrier shall not make delivery

of this instrument without payment of
freight and all other lawful charges.

C.O.D. r_{gas}

Producers

Contract	\$
----------	----

Total Charges	\$
---------------	----

	8
	Exhibit d

Freight Prepaid

1

movement within how all

right checked

RECEIVED subject to the classifications and tariffs that apply in effect on the date of the issue of this Bill of Lading, the package described above in marked good order, except as noted, in contents and conditions of contents (packages unknown), packed, consigned and destined as indicated above which said carrier (the word carrier being understood throughout the contract to mean 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 said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Camper No. 1:

Denbeste Transportation

Received By

USE Idaho

Signature

File

Date _____


Signature

Date _____

$$\overline{7} \overline{14} \overline{10}$$

SHIPPER'S DECLARATION FOR DANGEROUS GOODS

(Provide at least three copies to the airline.)

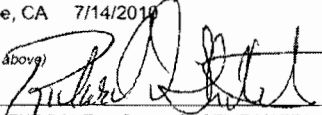
Shipper Marine Corps Air Station-EI Toro IRP Site 3 East Irvine, CA 92650		Air Waybill No. 8689 1090 5802 Page 1 of 1 Pages Shipper's Reference Number USN 2010-001	
Consignee EMC 3106 S.Faith Home Road Turlock, CA 95380			
Two completed and signed copies of this Declaration must be handed to the operator		WARNING Failure to comply in all respects with the applicable Dangerous Goods Regulations may be in breach of the applicable law, subject to legal penalties.	
TRANSPORT DETAILS			
This shipment is within the limitations prescribed for: (delete non applicable)		Airport of Departure	
<input checked="" type="checkbox"/> PASSENGER AIRCRAFT <input checked="" type="checkbox"/> CARGO AIRCRAFT ONLY			
Airport of Destination:		Shipment type: (delete non-applicable) <input checked="" type="checkbox"/> NON-HAZARDOUS <input type="checkbox"/> RADIOACTIVE	

NATURE AND QUANTITY OF DANGEROUS GOODS

Dangerous Goods Identification				Quantity and type of packaging	Packing Inst.	Authorization
UN or ID No.	Proper Shipping Name	Class or Division (Subsidiary Risk)	Pack-ing Group			
UN 2915	Radioactive Material, Type A Package	7		Ra-226, solid, oxides 1.78 MBq 1 x USA DOT 7A Type A	Yellow II TI: 0.2 DIM 46 x 46 x 70 cm	

Additional Handling Information

Emergency Telephone Number 803-507-1529

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable International and National Governmental Regulations. I declare that all of the applicable air transport requirements have been met.	Name/Title of Signatory Richard Thatcher, AWS Shipping Broker
	Place and Date East Irvine, CA 7/14/2010 Signature (see warning above) 
FOR RADIOACTIVE MATERIAL SHIPMENT ACCEPTABLE FOR PASSENGER AIRCRAFT, THE SHIPMENT CONTAINS RADIOACTIVE MATERIAL INTENDED FOR USE IN OR INCIDENT TO RESEARCH, MEDICAL DIAGNOSIS, OR TREATMENT.	

Shipper Inventory, Inspection, and Survey Form

Shipment No. USN 2010-001 Auth No. _____ Page 1 of 1

Facility Name. Former MCAS-EI Toro

Package No. E-1 WT. Lbs. 60

Radiation Level on container surface (mR/hr) 1.5 CuFt. 4.0

Radiation Level at one meter (mR/hr) 0.2 Drum size (gal) 30

Radioactive contamination Level on container surface (dpm/100cm2) NDA

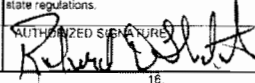
Type of container, labels Steel Drum UN2915

Nomen	Stock No.	Isotope	Qty	Activity per item (mCi)	Total Activity per item (mCi)	Total Activity MBq
Assorted debris from soil excavation		Ra-226	1	4.80E-02	4.800E-02	1.78E+00
1				Total Drum	4.8000E-02	1.7760E+00

Instrument type

Ludlum 19 268830 Cal Due date 3/31/2011

Inspected by Richard Thatcher Date loaded 7/13/2010

FORM 540 UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST SHIPPING PAPER			5. SHIPPER - NAME AND FACILITY Former El Toro MCAS IRP Site 3 East Irvine, CA 92650		SHIPPER I.D. NUMBER USN 2010-001 <input type="checkbox"/> COLLECTOR <input type="checkbox"/> PROCESSOR <input checked="" type="checkbox"/> GENERATOR TYPE (Specify) G		7. FORM 540 AND 540A PAGE 1 OF 1 1 PAGE(S) FORM 541 AND 541A 1 PAGE(S) FORM 542 AND 542A None PAGE(S) ADDITIONAL INFORMATION None PAGE(S)		8. MANIFEST NUMBER (Use this number on all continuation pages) USN 2010-001		
1. EMERGENCY TELEPHONE NUMBER (Include Area Code) 803-507-1529 ORGANIZATION AWS			SHIPMENT NUMBER NA CONTACT Richard Thatcher		TELEPHONE NUMBER (Include Area Code) 803-507-1529 EPA I.D. NUMBER		9. CONSIGNEE - Name and Facility EMC 3106 South Faith Road Turlock, CA 95380 SIGNATURE - Authorized consignee acknowledging waste receipt		CONTACT Gaye Nelson TELEPHONE (Include Area Code) 209-667-1102 DATE		
2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 1		6. CARRIER - Name and Address Federal Express Memphis, TN		SHIPPING DATE 07/14/2010 TELEPHONE (Include Area Code) 800-463-3338 DATE		10. CERTIFICATION This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.		
4. DOES EPA REGULATE WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? If "Yes," provide Manifest Number =====>			EPA MANIFEST NUMBER YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		CONTACT NA SIGNATURE - Authorized carrier acknowledging waste receipt		AUTHORIZED SIGNATURE 		TITLE AWS SHIPPING BRIDGE		
11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)			12. DOT LABEL "RADIOACTIVE"		13. TRANSPORT INDEX		14. PHYSICAL AND CHEMICAL FORM		15. INDIVIDUAL RADIONUCLIDES		
Radioactive material, Type A package, 7, UN 2915			Yellow II		0.2		Solid		Ra-226		
16. TOTAL PACKAGE ACTIVITY MBq mCi			17. LSA/SCO CLASS		18. TOTAL WEIGHT OR VOLUME (Use appropriate units)		19. IDENTIFICATION NUMBER OF PACKAGE				
1.7760E+00 (4.8000E-02)			NA		60 LBS; 4 FT3		E-1				
FOR CONSIGNEE USE ONLY			20.								

FORM 541				1. MANIFEST TOTALS								2. MANIFEST NUMBER					
UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST CONTAINER AND WASTE DESCRIPTION Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste				NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME	NET WASTE WEIGHT	SPECIAL NUCLEAR MATERIAL (grams)				Total	USN 2010-001 3. PAGE 1 OF 1 PAGE(S) 4. SHIPPER NAME Former EI Toro MCAS SHIPMENT ID NUMBER USN 2010-001					
							U-233		U-235							Pu	
							U-238		Pu-239							Pu-240	
							U-235		Pu-239							Pu-240	
				ACTIVITY		SOURCE (kg)											
				ALL NUCLIDES		TRITIUM		C-14		Tc-99		I-129					
				MBq		NP		NP		NP		(kg) NA					
				mCi		NP		NP		NP		(lbs) NA					
DISPOSAL CONTAINER DESCRIPTION				WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER													
5	6	7	8	9	10	11. PHYSICAL DESCRIPTION				12. RADIOLOGICAL DESCRIPTION				16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C			
CONTAINER IDENTIFICATION NUMBER/ S.C. TRANSPORT PERMIT NUMBER	CONTAINER DESCRIPTION (See Note 1 & Note 1A)	VOLUME (m3) (ft3)	WASTE AND CONTAINER WEIGHT (kg) (lb)	SURFACE RADIATION LEVEL (mSv/hr) (mrem/hr)	SURFACE CONTAMINATION (MBq/100 cm2) (dpm/100cm2)	WASTE DESCRIPTION				INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq AND CONTAINER TOTAL OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT)							
						WASTE DESCRIPTOR (See Note 2 & Note 2A)				RADIONUCLIDES							
						APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) (FT3)				CHEMICAL FORM/ CHELATING AGENT							
E-1/USN 2010-001	19 30 gallon metal drum	0	27.2	1.5000E-02	<3.6740E-07	59-Ra-226 debris from soil excavations-H				Ra-226				AU			
		4	60.0	1.5000E+00	<2.2000E+01					Subtotal							
										Total							
Shipment Totals		0	27.2							1.7760E+00 4.8000E-02							
		4	60.0							1.7760E+00 4.8000E-02							

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural overpacks the numerical code must be followed by "OP." 1. Wooden Box or Crate 2. Metal Box 3. Plastic Drum or Pail 4. Metal Drum or Pail 5. Metal Tank or Liner 6. Concrete Tank or Liner 7. Polyethylene Tank or Liner 8. Fiberglass Tank or Liner 9. Dewaterer 10. Gas Cylinder 11. Bulk, Unpackaged Waste 12. Unpackaged Components 13. High Integrity Container 19. Other Describe in item 6, or additional page	Note 1A: Barnwell Specific Container Description Codes. (Choose one code as may be applicable.) A High Integrity Container - Poly B High Integrity Container - Poly with Steel Shell C High Integrity Drum Overpack - Poly D High Integrity Container - Stainless Steel E High Integrity Container - Fiberglass F Liner - Steel	NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.) 20. Charcoal 21. Incinerator Ash 22. Soil 23. Gas 24. Oil 25. Aqueous Liquid 26. Filter Media 27. Mechanical Filter 28. EPA or State Hazardous 29. Demolition Rubble 30. Cation Ion-exchange Media 31. Anion Ion-exchange Media 32. Mixed Bed Ion-exchange Media 33. Contaminated Equipment 34. Organic Liquid (except oil) 35. Glassware or Labware 36. Sealed Source/Device 37. Paint or Plating 38. Evaporator Bottoms/Sludges/ Concentrates 39. Compactible Trash 40. Noncompactible Trash 41. Animal Carcass 42. Biological Material (except animal carcasses) 43. Activated Material 59. Other Describe in item 11, or additional page	NOTE 2A: Barnwell Specific Waste Descriptor Codes. (Choose all applicable codes.) G Dewatered H Solid I Combustible J Non-combustible K Air Filtration Filters L Asbestos	Note 3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "S" and the media vendor and brand name must also be identified in item 13. Code 100=NONE REQUIRED. Solidification 90. Cement 91. Concrete (encapsulation) 92. Bitumen 93. Vinyl Chloride 94. Vinyl Ester Styrene 99. Other Describe in item 13, or additional page 100. None Required	Note 3A: Barnwell Specific Solidification and Stabilization Media Codes. (Choose this code if applicable) M Wax Binder
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This is to acknowledge the receipt of your letter/application dated

8/27/10, and to inform you that the initial processing which includes an administrative review has been performed.

☒ Notification (20-31340-01)
There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

☐ Please provide to this office within 30 days of your receipt of this card

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned **Mail Control Number** 573426.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.