

## 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 Records and FOIA/Privacy Services Branch (T-5 F52), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to [infocollects@nrc.gov](mailto:infocollects@nrc.gov), and to the Desk Officer, Office of Information and Regulatory Affairs, NEOF-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

Environmental Protection Agency  
New England Regional Laboratory  
11 Technology Drive  
N. Chelmsford, MA 01863-2431

## LICENSE NUMBER

20-14039-01

## DOCKET NUMBER

030-07623

## LICENSE EXPIRATION DATE

March 31, 2013

- ☐ This license has expired. ☒ **A. LICENSE STATUS (Check the appropriate box)**  
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: **Conversion to General licensing**
- ☒ b. Disposal of radioactive materials:
- ☐ 1. Directly by the licensee:
- ☐ 2. By licensed disposal site:
- ☒ 3. By waste contractor: **H<sub>3</sub> Tritium foild by:**  
**NSSI/Sources & Services, Inc.**  
**5711 Etheridge Street, Houston, TX 77087**
- ☐ 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.

RECEIVED  
REGION I  
JUN 15 PM 1:29

## 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 **John Desmond** TITLE **Radiation Safety Officer** TELEPHONE (include Area Code) **617-918-8338** E-MAIL ADDRESS **desmond.john@epa.gov**

Mail all future correspondence regarding this license to:

**U.S. EPA, Region I, 11 Technology Drive, N. Chelmsford, MA 01863-2431**

## C. CERTIFYING OFFICIAL

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

## PRINTED NAME AND TITLE

**John C. Desmond, Radiation Safety Officer, OEME**

## SIGNATURE

*John C. Desmond*

## DATE

**6/10/2005**

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.

90 Brookfield Street  
South Windsor, CT 06074  
(860) 528-9500  
(860) 289-0138 (Fax)

**Environmental Services, Inc. / Wilchik Associates, Inc.**

To: John Desmond Fax: 617-918-8397

Co: U.S. EPA Date: 12/16/02

From: Seb Cannata Pages (inc. cover): 3

Re: Quote

☐ Urgent ☐ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

RECEIVED  
REGION I

2005 JAN 15 PM 1:29

Notes:

Disposal of  
H<sub>3</sub>  
Tritium Foils

Sent by: BM

BECAUSE OUR KIDS NEED  
A WORLD TO LIVE IN



# Environmental Services, Inc.

90 Brookfield Street South Windsor, CT 06074-1262 (860) 528-9500 (860) 289-0138 (fax)

WWW.E-S-I.COM

December 12, 2002

Mr. John Desmond  
United States Environmental Protection Agency  
11 Technology Drive  
North Chelmsford, MA 01863

RE: Radioactive Material Disposal  
E.S.I. Quote # 2002-421

Dear Mr. Desmond,

I am pleased to offer the following quote for the disposal of the following material at your facility:

- (4) 200 mCi H<sup>3</sup> Sources
- ¾ lb. Uranyl Acetate
- 10 mCi CD-109
- 24 mCi Am-241

**Pricing includes the following services:**

- Supplying NRC licensed Health Physicist to remove sources from instrument
- Stabilization and Packaging of material for transport
- Container Survey
- Preparation of NRC 540, 541 manifest
- Preparation of Bill of Lading for Americium
- Transport and Disposal
- Certificate of Destruction for material other than Americium
- Certificate of "Transfer of Ownership".

**Conditions of Project:**

- Terms: Net 30 days
- Executed E.S.I. Field Service Agreement prior to start of project
- Purchase Order (if utilized).



Service Centers Located Throughout Southern New England

**Project Pricing:**

Travel, On-site Packaging .....	\$ 730.00
Supplies & Radiation Detection Instrumentation	
Disposal (H <sup>3</sup> , Cd <sup>109</sup> , Uranyl Acetate).....	\$ 4,715.00
Health Physicist .....	\$ 4,200.00
Recycling / Disposal Am-241.....	\$ 5,635.00

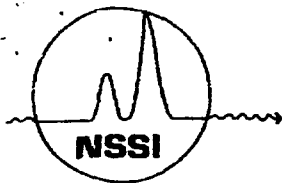
**Project Total..... \$15,280.00**

Thank you for the opportunity to quote on your project.

Sincerely,



Seb Cannata  
Manager, Radiological Services



# NSSI/RECOVERY SERVICES, INC.

BOX 34042

HOUSTON, TX 77234

TEL 713 641-0391 FAX 713 641-6153

## SUPPLEMENTAL RADIOACTIVE WASTE PROFILE FORM

Generator	US EPA / EPA NEW ENGLAND	Phone	617 918 - 8336
Address	OFFICE OF ENVIRONMENTAL MEASUREMENT	Fax	
	11 TECHNOLOGY DR.	E-mail	
City	N CHELMSFORD	State	MA Zip 01863
		USEPA ID No.	

DRUM NO.	WASTE TYPE	CONT SIZE (gal)	WASTE STREAM NAME	NUCLIDE	TOTAL ACTIVITY mCi	CONCENTRATION (As applicable) uCi/milliliter uCi/gram	
140534	09	5	TRITIUM FOILS (4)	H-3	292.74		

THE ABOVE LISTED WASTE MATERIAL(S) ARE LIQUID SCINTILLATION OR ANIMAL TISSUE, OR WERE GENERATED FROM IN-VITRO OR IN-VIVO LABORATORY TESTING OR RESEARCH ACTIVITIES.

### WASTE TYPES:

- 02. SCINTILLATION VIALS
- 02P. SCINTILLATION PLATES/PAPERS
- 02B. BULK SCINTILLATION LIQUID
- 03. BACTEC VIALS
- 04. BULK ORGANIC LIQUID
- 05. BULK AQUEOUS LIQUID
- 06. URANIUM/THORIUM COMPOUNDS

- 07. DRY NON-COMPACTED
- 07C. DRY COMPACTED
- 07N. DRY NON-COMPACTABLE
- 08. ANIMAL CARCASS
- 09. SEALED SOURCES
- 10. LABPACKED CONTAINERS
- 99.

AUTHORIZED SIGNATURE

TITLE US EPA New Eng DATE 02/26/03

By: [Signature]  
RSO

RADPROF.WPD

# NSSI/RECOVERY SERVICES, INC. WASTE PROFILE FORM

P.O. BOX 34042 HOUSTON, TX 77234 TEL 713-641-0391 FAX 713-641-6153 TXD 982560294 TX REG. 38669

<b>GENERATOR NAME</b> <u>US EPA (NEW ENGLAND)</u> <b>FACILITY ADDRESS</b> <u>11 TECHNOLOGY DR.</u> <u>NORTH CHELMSFORD, MA 01863 - 2431</u> <b>CONTACT</b> <u>JOHN DRSMOND</u> <b>PHONE</b> <u>617 918 - 8336</u> <b>FAX</b> <u>                    </u> <b>USEPA ID. NO.</b> <u>                    </u> <b>STATE ID NO.</b> <u>                    </u>	<b>BROKER NAME</b> <u>RADIAC RESEARCH COPR.</u> <b>BROKER ADDRESS</b> <u>261 KENT AVENUE</u> <u>BROOKLYN, NY 11211</u> <b>CONTACT</b> <u>JOSEPH SPEKTOR</u> <b>PHONE</b> <u>(718) 963 - 2233</u> <b>FAX</b> <u>(718) 388 - 5107</u> <b>US EPA ID No.</b> <u>NYD049178296</u> <b>STATE ID</b> <u>TX84404</u>
<b>WASTE STREAM NAME</b> <u>                                    </u>	<b>PROCESS GENERATING WASTE</b> <u>                                    </u>

## PHYSICAL CHARACTERISTICS OF WASTE

<b>COLOR</b> <u>                    </u>	<b>ODOR</b> <input type="checkbox"/> NONE <input checked="" type="checkbox"/> MILD <input type="checkbox"/> <input type="checkbox"/> STRONG <b>DESCRIBE</b> <input type="checkbox"/>	<b>PHYSICAL STATE @ 70 DEG F</b> <input checked="" type="checkbox"/> SOLID <input type="checkbox"/> SLUDGE <input type="checkbox"/> LIQUID <input type="checkbox"/> POWDER	<b>LAYERS</b> <input checked="" type="checkbox"/> HOMOGENOUS <input type="checkbox"/> BI <input type="checkbox"/> MULTILAYERED
<b>FREE LIQUIDS</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<b>pH</b> <input checked="" type="checkbox"/> N/A <input type="checkbox"/> <2 <input type="checkbox"/> 2.1-4 <input type="checkbox"/> 4-7 <input type="checkbox"/> 7-10 <input type="checkbox"/> 10-12.4 <input type="checkbox"/> >12.5	<b>SPECIFIC GRAVITY</b> <input checked="" type="checkbox"/> N/A <input type="checkbox"/> RANGE	<b>FLASH POINT</b> <b>CLOSED</b> <u>                    </u> <b>OPEN CUP</b> <u>                    </u> <b>NO FLASH</b> <input checked="" type="checkbox"/>

## CHEMICAL COMPOSITION (TOTAL MUST ADD TO 100%) ATTACH ANALYTICAL AND SPECIAL INFORMATION

TRITIUM FOILS	%		%		%		%
	%		%		%		%
	%		%		%		%

## METALS [TOTAL (PPM)] ☐ TCLP (MG/L) ☐ ANALYTICAL(ATTACHED) ☒ GENERATOR KNOWLEDGE

ARSENIC	NP	BARIUM	NP	CADMIUM	NP	CHROMIUM	NP
CHROMIUM-HEX	NP	LEAD	NP	MERCURY	NP	SELENIUM	NP
SILVER	NP	COPPER	NP	NICKEL	NP	ZINC	NP
THALLIUM	NP						

## OTHER COMPONENTS [ TOTAL (PPM)] ☐ ANALYTICAL (ATTACHED) ☒ GENERATOR KNOWLEDGE

CYANIDES	NP	SULFIDES	NP	PCB'S	NP	PHENOLICS	NP
CHLORIDES	NP	FLUORIDES	NP	PHOSPHATES	NP	NA+/K+	NP

## HAZARDOUS CHARACTERISTICS ☐ USEPA HAZARDOUS WASTE ☐ STATE HAZARDOUS WASTE

REACTIVITY:	NONE <input checked="" type="checkbox"/>	PYROPHORIC <input type="checkbox"/>	SHOCK SENSITIVE <input type="checkbox"/>	EXPLOSIVE <input type="checkbox"/>	WATER REACTIVE <input type="checkbox"/>	OTHER <u>                    </u>
OTHER HAZARDS:	NONE <input type="checkbox"/>	RADIOACTIVE <input checked="" type="checkbox"/>	ETIOLOGICAL <input type="checkbox"/>	PESTICIDE <input type="checkbox"/>	OTHER <u>                    </u>	
EPA WASTE CODES: <u>NA</u>			STATE WASTE CODES: <u>                    </u>			

## SHIPPING INFORMATION ☒ DOT HAZARDOUS MATERIAL

SHIPPING DESCRIPTION: <u>Radioactive mat.- excepted pkg-ltd qty</u>	HAZARD CLASS <u>7</u>	UN/NA NO. <u>2910</u>	R.Q. <input type="checkbox"/>
SHIPPING METHOD <u>TRUCK</u>	DRUM (TYPE/SIZE) <u>5-GAL</u>	BULK LIQUID <input type="checkbox"/>	BULK SOLID <input type="checkbox"/>
ANTICIPATED VOLUME:	<u>                    </u> GALS	<u>                    </u> CUBIC YARDS	OTHER <u>                    </u>
FREQUENCY:	ONE TIME <input checked="" type="checkbox"/>	WEEK <input type="checkbox"/>	MONTH <input type="checkbox"/>
		QUARTER <input type="checkbox"/>	YEAR <input type="checkbox"/>

I HEREBY CERTIFY THAT ALL INFORMATION SUBMITTED IN THIS AND ALL ATTACHED DOCUMENTS IS COMPLETE AND ACCURATE, WITH DISCLOSURE OF ALL KNOWN OR SUSPECTED HAZARDS.

AUTHORIZED SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

PROCHEM.DOC

TEXAS NATURAL RESOURCE  
CONSERVATION COMMISSION

P.O. Box 13087

Austin, Texas 78711-3087



Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address		US EPA (EPA New England) 11 Technology Dr, N Chelmsford, MA 01863		A. State Manifest Document Number 02802159		
4. Generator's Phone (617) 918-8336		6. US EPA ID Number		B. State Facility ID		
5. Transporter 1 Company Name		Radac Research Corp. WVD-099178396		C. State Transporter ID		
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone (713) 963-2133		
9. Designated Facility Name and Site Address		10. US EPA ID Number		E. State Transporter ID		
NSSI, Sources & Services 5711 Ethelwood St Houston TX 77087		TXD-982560294		F. Transporter's Phone		
11A. HM		11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)		G. State Facility ID		
a.		Radioactive Material - excepted pkg - 100 lbs (Qty of Material 7, UN2910 (Tritium fuel))		H. Facility's Phone		
b.				98 38669		
c.				713-641-0391		
d.						
12. Containers No.		13. Total Quantity		14. Unit Wt/Vol		
Y 1 DM X X 5 G						
J. Additional Descriptions for Materials Listed Above		K. Handling Codes for Wastes Listed Above				
a) OUTH-0011		(B)				
15. Special Handling Instructions and Additional Information						
Emergency Contact: (Houston) 800-424-7400 202-1161: See attached NDC manifest.						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						
Printed/Typed Name		Signature		Month Day Year		
John L. Desmond		John L. Desmond		12 26 92		
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature		Date		
Printed/Typed Name		Signature		Month Day Year		
Mark A. L. v. s. o		[Signature]		12 26 92		
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Date		
Printed/Typed Name		Signature		Month Day Year		
19. Discrepancy Indication Space						
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						
Printed/Typed Name		Signature		Date		
				Month Day Year		

FORM 540		RADIAC RESEARCH CORP.		5. SHIPPER -- NAME AND FACILITY US EPA MA		SHIPMENT I.D. NUMBER NA		7. FORM 540 AND 540A FORM 541 AND 541A FORM 542 AND 542A ADDITIONAL INFORMATION		PAGE 1 OF 1 1 PAGE(S) None PAGE(S) None PAGE(S)		8. MANIFEST NUMBER (Use this number on all continuation pages) RAD-64666					
UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST SHIPPING PAPER				11 TECHNOLOGY DR. N CHELMSFORD, MA 01863		COLLECTOR											
1. EMERGENCY TELEPHONE NUMBER (Include Area Code) (800) 424 - 9300				US EPA ID No. ESQG		SHIPMENT NUMBER NA		X GENERATOR TYPE (Specify) G		9. CONSIGNEE - Name and Facility Address NSSI / SOURCES & SERVICES, INC 5711 ETHERIDGE STREET HOUSTON, TX 77087		CONTACT ROBERT D. GALLAGHER					
ORGANIZATION CHEMTREC				CONTACT JOHN DESMOND		TELEPHONE NUMBER (Include Area Code) 617 918 - 8336						TELEPHONE NUMBER(Include Area Code) (713) 641-0391					
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 RADIAC RESEARCH CORP. 261 KENT AVE. BROOKLYN, NY 11211 Truck #: Trailer #:		EPA I.D. NUMBER NYD049178296		SHIPPING DATE NA		SIGNATURE - Authorized consignee acknowledging waste receipt		DATE					
4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? If "Yes," provide Manifest Number		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		EPA MANIFEST NUMBER NA TX 02809159		CONTACT ARTHUR GREEN		TELEPHONE NUMBER (Include Area Code) 718 963 - 2233		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.							
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		16. TOTAL PACKAGE ACTIVITY MBq mCi		17. LSASCO CLASS		18. TOTAL WEIGHT OR VOLUME (Use appropriate units)		19. IDENTIFICATION NUMBER OF PACKAGE	
Radioactive material, excepted package-limited quantity of material, 7, UN2910 / TRITIUM FOIL		NA		NA		Solid FOIL		H-3		1.0831E+04 2.9274E+02		NA		10. LBS; 5. GAL		140534	
FOR CONSIGNEE USE ONLY				20.													



FORM 541

RADIAC RESEARCH CORP.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME	NET WASTE WEIGHT	SPECIAL NUCLEAR MATERIAL (grams)				
			U-233	U-235	Pu	TOTAL	
1	m3	0.019	kg	4.54			
	ft3	0.668	lb	10.00			
			ACTIVITY			SOURCE	
	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129		
MBq	1.0831E+04	1.0831E+04	NP	NP	NP	(kgs)	NA
mCi	2.9274E+02	2.9274E+02	NP	NP	NP	(lbs)	NA

2. MANIFEST NUMBER

RAD-64666

3. PAGE 1 OF 1 PAGE(S)

4. SHIPPER NAME

US EPA MA

SHIPMENT ID NUMBER

NA

DISPOSAL CONTAINER DESCRIPTION

5. CONTAINER IDENTIFICATION NUMBER / GENERATOR ID NUMBER	6. CONTAINER DESCRIPTION (See Note 1) PROCESS REQUESTED (See Note 1A) BURIAL/DISPOSITION (See Note 2A)	7. VOLUME (m3) (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) (lb)	9. SURFACE RADIATION LEVEL mSv/hr mrem/hr	10. SURFACE CONTAMINATION MBq/100 cm2 dpm/100 cm2		11. WASTE DESCRIPTOR (See Note 2)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) (FT3)		13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION CHEMICAL FORM/ CHELATING AGENT WEIGHT % CHELATING AGENT IF >0.1%		15. RADIOLOGICAL DESCRIPTION INDIVIDUAL RADIONUCLIDES AND ACTIVITY AND CONTAINER TOTAL; OR TOTAL ACTIVITY AND RADIONUCLIDE PERCENT			16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
					ALPHA	BETA-GAMMA										
140634/USEPA_MA	4	0.019	4.54	<5.0000E-03	<3.3400E-06	<3.3400E-06	36	0.018	NA	FOIL/NP	NP	H-3	1.0831E+04	2.9274E+02	AU	
		0.668	10.00	<5.000E-01	<2.000E+02	<2.000E+03		0.668	Subtotal			1.0831E+04	2.9274E+02			
Shipment Totals		0.019	4.54									Total	1.0831E+04	2.9274E+02		
		0.668	10.000										1.0831E+04	2.9274E+02		

NOTE 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs 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. Demineralizer

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: Process Requested

C. Compaction

SR. Steam Reforming

DI. Direct Incineration

SI. Sort & Incinerate

D. Decon

G. Green is Clean

M. Metal Melt

T. Trans-Ship

LI. Liquid for Incineration

OI. Oil for Incineration

O. Other (describe)

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 carcass)

43. Activated Material

59. Other. Describe in item 11, or additional page

NOTE 2A: Burial/Disposition Site

B. Barnwell Waste Management Facility

E. Envirocare

R. Richland, WA

PR. Process and Return

O. Other

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.

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.

FDA/ORA/DFS/WEAC  
CERTIFICATE OF INSPECTION  
NICKEL 63 DETECTOR  
District USEPA REGION I NRC License No. 20-14039-01

SWIPE TEST  
Date 1-14-05 Detector Type Ni 63 15mCi  
Analyst PEP Model Number Agilent 6890  
Serial Number U5624

RESULTS  
Date of test 14 FEB 2005 nda = no detectable activity < 0.02 nCi  
Amount of contamination NDA uCi  
Date reported/analyst 15 FEB 2005 DH ERICKSON

NEXT SWIPE TEST REQUIRED ON JUNE 2005  
COMMENTS ON BACK

FDA/ORA/DFS/WEAC  
CERTIFICATE OF INSPECTION  
NICKEL 63 DETECTOR  
District USEPA REGION I NRC License No. 20-14039-01

SWIPE TEST  
Date 1-14-05 Detector Type Ni 63 15 mCi  
Analyst PEP Model Number Agilent 6890  
Serial Number U5630

RESULTS  
Date of test 14 FEB 2005 nda = no detectable activity < 0.02 nCi  
Amount of contamination NDA uCi  
Date reported/analyst 15 FEB 2005 DH ERICKSON

NEXT SWIPE TEST REQUIRED ON JUNE 2005  
COMMENTS ON BACK

FDA/ORA/DFS/WEAC  
CERTIFICATE OF INSPECTION  
NICKEL 63 DETECTOR  
District USEPA REGION I NRC License No. 20-14039-01

SWIPE TEST  
Date 1-14-05 Detector Type CD109, AM241, Fe 55  
Analyst PEP Model Number Niton  
Serial Number U1401

RESULTS  
Date of test 14 FEB 2005 nda = no detectable activity < 0.02 nCi  
Amount of contamination NDA uCi  
Date reported/analyst 15 FEB 2005 DH ERICKSON

NEXT SWIPE TEST REQUIRED ON JUNE 2005  
COMMENTS ON BACK

FDA/ORA/DFS/WEAC  
CERTIFICATE OF INSPECTION  
NICKEL 63 DETECTOR  
District USEPA REGION I NRC License No. 20-14039-01

4

SWIPE TEST  
Date 1-14-05 Detector Type Ni63/15mCi  
Analyst PEP Model Number HP5890-1  
Serial Number K6030

RESULTS nda = no detectable activity < 0.02 nCi  
Date of test 14 FEB 2005  
Amount of contamination NDA uCi  
Date reported/analyst 15 FEB 2005 DH ERICKSON

NEXT SWIPE TEST REQUIRED ON JUNE 2005  
COMMENTS ON BACK

FDA/ORA/DFS/WEAC  
CERTIFICATE OF INSPECTION  
NICKEL 63 DETECTOR  
District USEPA REGION I NRC License No. 20-14039-01

5

SWIPE TEST  
Date 1-14-05 Detector Type Ni63/15mCi  
Analyst PEP Model Number HP5890-1  
Serial Number K6112

RESULTS nda = no detectable activity < 0.02 nCi  
Date of test 14 FEB 2005  
Amount of contamination NDA uCi  
Date reported/analyst 15 FEB 2005 DH ERICKSON

NEXT SWIPE TEST REQUIRED ON JUNE 2005  
COMMENTS ON BACK

FDA/ORA/DFS/WEAC  
CERTIFICATE OF INSPECTION  
NICKEL 63 DETECTOR  
District USEPA REGION I NRC License No. 20-14039-01

6

SWIPE TEST  
Date 1-14-05 Detector Type Ni63  
Analyst PEP Model Number HP6890-striper  
Serial Number U7304

RESULTS nda = no detectable activity < 0.02 nCi  
Date of test 14 FEB 2005  
Amount of contamination NDA uCi  
Date reported/analyst 15 FEB 2005 DH ERICKSON

NEXT SWIPE TEST REQUIRED ON JUNE 2005  
COMMENTS ON BACK

FDA/ORA/DFS/WEAC  
CERTIFICATE OF INSPECTION  
NICKEL 63 DETECTOR  
District USEPA REGION I NRC License No. 20-14039-01

7

SWIPE TEST  
Date 1-14-05 Detector Type Ni63  
Analyst PEP Model Number HP6890-striper  
Serial Number U7305

RESULTS nda = no detectable activity < 0.02 nCi  
Date of test 14 FEB 2005  
Amount of contamination NDA uCi  
Date reported/analyst 15 FEB 2005 DH ERICKSON

NEXT SWIPE TEST REQUIRED ON JUNE 2005  
COMMENTS ON BACK

FDA/ORA/DFS/WEAC  
CERTIFICATE OF INSPECTION  
NICKEL 63 DETECTOR  
District USEPA REGION I NRC License No. 20-14039-01

8

SWIPE TEST  
Date 1-14-05 Detector Type Ni63/15mCi  
Analyst PEP Model Number HP5890-3  
Serial Number K6143

RESULTS nda = no detectable activity < 0.02 nCi  
Date of test 14 FEB 2005  
Amount of contamination NDA uCi  
Date reported/analyst 15 FEB 2005 DH ERICKSON

NEXT SWIPE TEST REQUIRED ON JUNE 2005  
COMMENTS ON BACK

FDA/ORA/DFS/WEAC  
CERTIFICATE OF INSPECTION  
NICKEL 63 DETECTOR  
District USEPA REGION I NRC License No. 20-14039-01

9

SWIPE TEST  
Date 1-14-05 Detector Type Ni63/15mCi  
Analyst PEP Model Number HP5890-3  
Serial Number K6105

RESULTS nda = no detectable activity < 0.02 nCi  
Date of test 14 FEB 2005  
Amount of contamination NDA uCi  
Date reported/analyst 15 FEB 2005 DH ERICKSON

NEXT SWIPE TEST REQUIRED ON JUNE 2005  
COMMENTS ON BACK

FDA/ORA/DFS/WEAC  
CERTIFICATE OF INSPECTION  
NICKEL 63 DETECTOR  
District USEPA REGION I NRC License No. 20-14039-01

10

SWIPE TEST

Date 1-14-05  
Analyst PEP

Detector Type Ni 63  
Model Number HP 5890 Plus  
Serial Number K3847

RESULTS

nda = no detectable activity < 0.02 nCi  
Date of test 14 FEB 2005  
Amount of contamination NDA uCi  
Date reported/analyst 15 FEB 2005 DH ERICKSON

NEXT SWIPE TEST REQUIRED ON JUNE 2005  
COMMENTS ON BACK

FDA/ORA/DFS/WEAC  
CERTIFICATE OF INSPECTION  
NICKEL 63 DETECTOR  
District USEPA REGION I NRC License No. 20-14039-01

11

SWIPE TEST

Date 1-14-05  
Analyst PEP

Detector Type Ni63 / 10mCi  
Model Number Shimadzu  
Serial Number 612617

RESULTS

nda = no detectable activity < 0.02 nCi  
Date of test 14 FEB 2005  
Amount of contamination NDA uCi  
Date reported/analyst 15 FEB 2005 DH ERICKSON

NEXT SWIPE TEST REQUIRED ON JUNE 2005  
COMMENTS ON BACK

FDA/ORA/DFS/WEAC  
CERTIFICATE OF INSPECTION  
NICKEL 63 DETECTOR  
District USEPA REGION I NRC License No. 20-14039-01

12

SWIPE TEST

Date 1-14-05  
Analyst PEP

Detector Type Cd109/20mCi  
Model Number SHIMADZU GC14A  
Serial Number 616124

RESULTS

nda = no detectable activity < 0.02 nCi  
Date of test 14 FEB 2005  
Amount of contamination NDA uCi  
Date reported/analyst 15 FEB 2005 DH ERICKSON

NEXT SWIPE TEST REQUIRED ON JUNE 2005  
COMMENTS ON BACK

FDA/ORA/DFS/WEAC  
CERTIFICATE OF INSPECTION  
NICKEL 63 DETECTOR  
NRC License No. 20-14039-01

13

District USEPA REGION I

SWIPE TEST  
Date 1-14-05  
Analyst PEP  
Detector Type Ni63/10mCi  
Model Number SHIMADZU GC8A  
Serial Number 500945

RESULTS  
Date of test 14 FEB 2005  
Amount of contamination NDA uCi  
Date reported/analyst 15 FEB 2005 DH ERICKSON  
nda = no detectable activity < 0.02 nCi

NEXT SWIPE TEST REQUIRED ON JUNE 2005  
COMMENTS ON BACK

FDA/ORA/DFS/WEAC  
CERTIFICATE OF INSPECTION  
NICKEL 63 DETECTOR  
NRC License No. 20-14039-01

14

District USEPA REGION I

SWIPE TEST  
Date 1-14-05  
Analyst PEP  
Detector Type Ni63/10mCi  
Model Number SHIMADZU GC8A  
Serial Number 51004

RESULTS  
Date of test 14 FEB 2005  
Amount of contamination NDA uCi  
Date reported/analyst 15 FEB 2005 DH ERICKSON  
nda = no detectable activity < 0.02 nCi

NEXT SWIPE TEST REQUIRED ON JUNE 2005  
COMMENTS ON BACK

FDA/ORA/DFS/WEAC  
CERTIFICATE OF INSPECTION  
NICKEL 63 DETECTOR  
NRC License No. 20-14039-01

15

District USEPA REGION I

SWIPE TEST  
Date 1-14-05  
Analyst PEP  
Detector Type Cd 109 / 10mCi  
Model Number NITON XL 700  
Serial Number U506NR4736

RESULTS  
Date of test 14 FEB 2005  
Amount of contamination NDA uCi  
Date reported/analyst 15 FEB 2005 DH ERICKSON  
nda = no detectable activity < 0.02 nCi

NEXT SWIPE TEST REQUIRED ON JUNE 2005  
COMMENTS ON BACK

FDA/ORA/DFS/WEAC  
CERTIFICATE OF INSPECTION  
NICKEL 63 DETECTOR

16

District USEPA REGION I NRC License No. 20-14039-01

SWIPE TEST  
Date 1-14-05 Detector Type Cd109/20mCi  
Analyst PEP Model Number SHIMADZU GC14B  
Serial Number 616120

RESULTS nda = no detectable activity < 0.02 nCi  
Date of test 14 FEB 2005  
Amount of contamination NDA uCi  
Date reported/analyst 15 FEB 2005 DH ERICKSON

NEXT SWIPE TEST REQUIRED ON JUNE 2005  
COMMENTS ON BACK

UNITED STATES  
ENVIRONMENTAL PROTECTION AGENCY

REGION I

11 TECHNOLOGY DRIVE

NORTH CHELMSFORD, MASSACHUSETTS 01863-2431

*John Desmond CEHE RSO*

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Licensing Assistant Section  
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U.S. Nuclear Regulatory Commission, Region I  
475 Allendale Road  
King of Prussia, PA 19406-1415



This is to acknowledge the receipt of your letter/application dated

6/10/2005, and to inform you that the initial processing which includes an administrative review has been performed.

☒ Termination 20-14089-01 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 137220.  
When calling to inquire about this action, please refer to this control number.  
You may call us on (610) 337-5398, or 337-5260.

BETWEEN: : (FOR LFMS USE)  
 : INFORMATION FROM LTS  
 : -----  
 :  
 License Fee Management Branch, ARM : Program Code: 03123  
 and : Status Code: 0  
 Regional Licensing Sections : Fee Category: EX 3P  
 : Exp. Date: 20130331  
 : Fee Comments: \_\_\_\_\_  
 : Decom Fin Assur Req'd: N  
 : ::

LICENSE FEE TRANSMITTAL

A. REGION I

1. APPLICATION ATTACHED

Applicant/Licensee: ENVIRONMENTAL PROTECTION AGENCY  
Received Date: 20050615  
Docket No: 3007623  
Control No.: 137220  
License No.: 20-14039-01  
Action Type: Termination

2. FEE ATTACHED

Amount: /  
Check No.: /

3. COMMENTS

Signed *Referec Jured*  
Date 6/16/2005

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 \_\_\_\_\_