



May 21, 2018

Br. 2

Licensing Assistant Section
Nuclear Materials Safety Branch
U.S. Nuclear Regulatory Commission, Region 1
2100 Renaissance Boulevard, Suite 100
King of Prussia, PA 19406-2713

Subject: Material License Disposition
NRC License No. 06-19224-02
Bridgeport Harbor Station

03022005

REC RG1 0524 18PM 1001

To Whom It May Concern:

Enclosed is a Certificate of Disposition of Materials, form NRCForm314(02-2017) for your approval. As all the devices were removed and shipped on October 17,2017 as per approval and communication with Craig Gordon on October 11, 2017 to close out the calendar year 2017, we were not intending to pay the invoice that covers the 2018 annual fee for the sealed source devise inventory at PSEG Power Connecticut's Bridgeport Harbor Station, NRC License Number 06-19224-02, docket Number 0302205, 18-260 in the amount of \$9,300.00. Please update your Remittance Office.

Should you have any additional questions or require additional proof of disposition regarding this submittal, please do not hesitate to contact Mr. Phelan at 203-551-6017 or Mr. Ed Gusciora, EHS Manager (203-551-6032), at your earliest convenience.

PLEASE ACKNOWLEDGE RECEIPT OF THIS MATERIAL BY STAMPING THE ENCLOSED COPY OF THIS LETTER AND RETURNING SAME IN THE SELF-ADDRESSED, STAMPED ENVELOPE PROVIDED.

Sincerely,

A handwritten signature in black ink, appearing to read "Vincent Fiumidinisi".

Vincent Fiumidinisi
Plant Manager

Enclosures

608913



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 FOIA, Privacy, and Information Collections Branch (I-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by e-mail to Infocollections.Resource@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-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 PSEG Power 1 Atlantic Street Bridgeport, CT 06605	LICENSE NUMBER 06-19224-02	DOCKET NUMBER 03022005
LICENSE EXPIRATION DATE 04/30/2025		

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:
- b. Disposal of radioactive materials:
1. Directly by the licensee:
2. By licensed disposal site:
 Carrier - SJ Transportation Co., Inc, PO Box 169, Woodstown, NJ 08098
 Consignee - Alaron Corporation, 2138 Sate Route 18 Wampum, PA 16157
3. By waste contractor:
 Contractor- Chase Environmental Group, Inc. 200 Sam Rayburn Pkwy. Lenoir City, TN 37771 865 816 6015 attn Jeff Chapman, Identification # KY003-L17 as per NRC Form 241 approved by Craig Gordon dated October 11, 2017
- 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
Michael Phelan	RSO	(203) 551-6017	Michael.Phelan@pseg.com

Mail all future correspondence regarding this license to:

PSEG Power Connecticut LLC, 1 Atlantic Street, Bridgeport, CT 06604-5513

C. CERTIFYING OFFICIAL

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

PRINTED NAME AND TITLE	SIGNATURE	DATE
Vincent Fiumidini, Plant Manager		05/21/2018

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.

CERTIFICATE OF DISPOSITION OF MATERIALS

PLEASE READ THESE INSTRUCTIONS BEFORE COMPLETING NRC FORM 314.

Subpart E of 10 CFR Part 20 establishes the radiological criteria for license terminations/decommissioning of facilities licensed under 10 CFR Parts 30, 40, 50, 60, 61, 70, and 72, as well as other facilities subject to the Commission's jurisdiction under the Atomic Energy Act of 1954, as amended, and the Energy Reorganization Act of 1974, as amended.

INSTRUCTIONS

Section B, Item 2.

Licensees should describe the specific radioactive material transfer actions. If radioactive wastes were generated in terminating this license, the licensee should describe the disposal actions taken, including the disposition of low-level radioactive waste, mixed waste, greater-than-Class-C waste, and sealed sources.

Section B, Item 2.a.

The information provided concerning the transfer of radioactive material to another licensee should specify the date of the transfer, the name of the licensee recipient, an individual contact name and telephone number for the licensee recipient, and the recipient's NRC or Agreement State license number.

Section B, Item 2.b.

For disposal of radioactive materials, licensees should describe the specific disposal method or procedure (e.g., decay-in-storage). For those cases when radioactive materials are disposed of by a licensed disposal site or by a waste contractor, the licensee should specify the name, address, and telephone number of the licensed disposal site operator or waste contractor.

Section B, Item 2.c.

"Residual radioactivity," as defined in 10 CFR 20.1003, means radioactivity in 'areas' (structures, materials, soils, etc.) remaining as a result of activities (licensed and unlicensed) under the licensee's control from sources used by the licensee, excluding background radiation. ALARA is defined in 10 CFR 20.1003.

FILE CERTIFICATES AS FOLLOWS:

IF YOU ARE LOCATED IN:

ALABAMA, CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, FLORIDA, GEORGIA, KENTUCKY, MAINE, MARYLAND, MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, NORTH CAROLINA, PENNSYLVANIA, PUERTO RICO, RHODE ISLAND, SOUTH CAROLINA, TENNESSEE, VERMONT, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA, SEND CERTIFICATES TO:

LICENSING ASSISTANT SECTION
NUCLEAR MATERIALS SAFETY BRANCH
U.S. NUCLEAR REGULATORY COMMISSION, REGION I
2100 RENAISSANCE BOULEVARD, SUITE 100
KING OF PRUSSIA, PA 19406-2713

ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND CERTIFICATES TO:

MATERIALS LICENSING SECTION
U.S. NUCLEAR REGULATORY COMMISSION, REGION III
2443 WARRENVILLE ROAD, SUITE 210
LISLE, IL 60532-4352

IF YOU ARE LOCATED IN:

ALASKA, ARIZONA, ARKANSAS, CALIFORNIA, COLORADO, HAWAII, IDAHO, KANSAS, LOUISIANA, MISSISSIPPI, MONTANA, NEBRASKA, NEVADA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, OREGON, PACIFIC TRUST TERRITORIES, SOUTH DAKOTA, TEXAS, UTAH, WASHINGTON, OR WYOMING, SEND CERTIFICATES TO:

MATERIAL RADIATION PROTECTION SECTION
U. S. NUCLEAR REGULATORY COMMISSION, REGION IV
1600 E. LAMAR BOULEVARD
ARLINGTON, TX 76011-4511



TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
 DIVISION OF RADIOLOGICAL HEALTH
 WILLIAM R. SNODGRASS TENNESSEE TOWER, 15TH FLOOR
 312 ROSA L. PARKS AVENUE, NASHVILLE, TENNESSEE 37243

RADIOACTIVE MATERIAL LICENSE

Amendment 8

Pursuant to Tennessee Department of Environment and Conservation Regulations, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess and transfer radioactive material listed below; and to use such radioactive material for the purpose(s) and at the place(s) designated below. This license is subject to all applicable rules and regulations of the Tennessee Department of Environment and Conservation and orders of the Division of Radiological Health, now or hereafter in effect and to any conditions specified below.

LICENSEE		3. License number
1. Name	Chase Environmental Group, Inc.	R-53008-E19
2. Address	200 Sam Rayburn Parkway Lenoir City, TN 37771	4. Expiration date May 31, 2019
		5. File no. R-53008
6. Radioactive Material (Element and Mass Number)	8. Chemical and/or physical form	9. Maximum Radioactivity and/or quantity of material which licensee may possess at any one time.
See Supplementary Sheets		
10. Authorized Use		
See Supplementary Sheets		

CONDITIONS

11. Unless otherwise specified, the authorized place of use is the licensee's address stated in Item 2 above.

See Supplementary Sheets

For the Commissioner
 Tennessee Department of Environment and Conservation

By: Charles Arnott

Division of Radiological Health
 Charles Arnott
 Environmental Consultant

Date of Issuance October 28, 2015

Page 1 of 6 Pages



**TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF RADIOLOGICAL HEALTH
WILLIAM R. SNODGRASS TENNESSEE TOWER, 15TH FLOOR
312 ROSA L. PARKS AVENUE, NASHVILLE, TENNESSEE 37243**

RADIOACTIVE MATERIAL LICENSE

Amendment 8

Supplementary Sheet

Page 2 of 6 Pages

License Number R-53008-E19

- | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>6. Radioactive Material
(Element and
<u>Mass Number</u>)</p> <p>A. Any radioactive
material</p> <p>B. Any radioactive
material</p> | <p>8. Chemical
and/or
<u>Physical Form</u></p> <p>A. See Item 10.A below</p> <p>B. Sealed sources
(Manufactured and
distributed in accordance
with a license issued by the
Department, U.S. Nuclear
Regulatory Commission or
an Agreement State, as
appropriate, in accordance
with applicable provision for
the manufacture and
distribution of such
radioactive material.)</p> | <p>9. Maximum Radioactivity
and/or Quantity of Material
Which Licensee May Possess
<u>at Any One Time</u></p> <p>A. See Item 10.A below</p> <p>B. See Item 10.B below</p> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

10. Authorized Uses

- A. 1. The licensee is authorized to perform tests for leakage and/or contamination upon sealed sources containing these radioactive materials and upon devices which contain sealed sources. The licensee is also authorized to possess and analyze radioactive material contained on test media resulting from these tests and contamination surveys which the licensee may perform. Such waste material will be disposed of in conformance with 0400-20-05-.120 of "State Regulations for Protection Against Radiation."
2. The licensee's possession of special nuclear material is limited to less than 1 gram.
- B. Installation, removal, preparation for transport, relocation, maintenance, repair, source exchange, and performance of initial radiation survey of gauges or measuring devices that have been manufactured and distributed in accordance with a license issued by the Department, U.S. Nuclear Regulatory Commission or an Agreement State, as appropriate, with applicable provision for the manufacture and distribution of such radioactive material, and listed on the U.S. NRC Registry of Sealed Sources and Devices. All activities must be performed on gauges and source holders that are approved in the U.S. NRC's "Sealed Source and Device Registry."



**TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF RADIOLOGICAL HEALTH
WILLIAM R. SNODGRASS TENNESSEE TOWER, 15TH FLOOR
312 ROSA L. PARKS AVENUE, NASHVILLE, TENNESSEE 37243**

RADIOACTIVE MATERIAL LICENSE

Amendment 8

Supplementary Sheet

Page 3 of 6 Pages

License Number R-53008-E19

Conditions

12. The licensee shall comply with applicable provisions of 0400-20-04, 0400-20-05, and 0400-20-10 of "State Regulations for Protection Against Radiation."
13. A. The services authorized in this license shall be performed only by or under the supervision and in the physical presence of individuals who have satisfactorily completed training in accordance with statements, representations, and procedures contained in application dated March 16, 2009, with attachments, letter dated April 28, 2009, with attachments, and May 5, 2009.
 - B. The Radiation Safety Officer for this license is Christopher E. Echterling. The Alternate Radiation Safety Officer for this license is Craig Eisenberg.
14. Services authorized in Item 10 shall be performed only at the customers' sites (except for analyses of test media which may be performed at licensee's address), in areas not under exclusive Federal jurisdiction, as designated by the pertinent Tennessee licensee authorizing the customer's use and possession of that radioactive material.

Before radioactive material can be used at a temporary job site at any Federal facility, the jurisdictional status of the job site must be determined. If the jurisdictional status is unknown, the Federal agency should be contacted to determine if the job site is under exclusive Federal jurisdiction. A response should be obtained in writing or a record should be made of the name and title of the person at the Federal agency who provided the determination and the date that it was provided. Authorization for use of radioactive materials at job sites under exclusive Federal jurisdiction shall be obtained either by: (1) Filing a U.S. NRC Form-241 in accordance with 10 CFR 150.20(b), "Recognition of Agreement State Licensees," or (2) Applying for a specific U.S. NRC license.

Before radioactive materials can be used at a temporary job site in another State, authorization shall be obtained from the State if it is an Agreement State, or from the U.S. NRC for any non-Agreement State, either by filing for reciprocity or applying for a specific license.

15. A. The licensee is authorized to collect leak test samples from sources possessed by the licensee's customers in accordance with statements, representations, and procedures contained in application dated March 16, 2009, with attachments, and letter dated April 26, 2009, with attachments, for analysis by persons specifically authorized by this Department, the U.S. Nuclear Regulatory Commission, or another Agreement State to perform this service or tests for leakage and contamination shall be performed by persons specifically licensed by this Department, the U.S. Nuclear Regulatory Commission, or an Agreement State to perform such services.



**TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF RADIOLOGICAL HEALTH
WILLIAM R. SNODGRASS TENNESSEE TOWER, 15TH FLOOR
312 ROSA L. PARKS AVENUE, NASHVILLE, TENNESSEE 37243**

RADIOACTIVE MATERIAL LICENSE

Amendment 8

Supplementary Sheet

Page 4 of 6 Pages

License Number R-53008-E19

- B. Tests for leakage and contamination authorized in Item 10 above shall be performed only at the customer's site as designated by the pertinent Tennessee license authorizing the customer's use and possession of that radioactive material. (This condition does not prohibit use in other states under reciprocity privileges which may be granted by the agency having jurisdiction.)
- C. The tests for leakage and/or contamination shall be capable of detecting 0.005 microcurie of contamination on the test sample. The customer shall be furnished a report of leak tests results in units of microcuries.
- D. If the test reveals the presence of removable contamination equivalent to or greater than 0.005 microcurie, the customer of the licensee shall be informed of the Department's requirements as follows: "The licensee shall immediately withdraw the sealed source from use and shall cause it to be decontaminated and repaired or to be disposed of in accordance with Department regulations. A report shall be filed within five (5) days of the test with the Tennessee Department of Environment and Conservation, Division of Radiological Health, William R. Snodgrass Tennessee Tower, 312 Rosa Parks Avenue, 15th Floor, Nashville, Tennessee 37243 describing the equipment involved, the test results, and the corrective action taken."
16. Tests for leakage and/or contamination shall be capable of detecting 0.005 microcurie of radioactive material on the test sample, or in the case of radium, the escape of radon at the rate of 0.001 microcurie per 24 hours. The customer shall be furnished a report of leak test results in units of microcuries. If a test reveals the presence of removable contamination equivalent to or greater than 0.005 microcurie, or in the case of radium, the escape of radon at the rate of 0.001 microcurie per 24 hours, the customer of the licensee shall be informed of the Department's requirements as follows: "The licensee shall immediately withdraw the sealed source from use and shall cause it to be decontaminated and repaired or to be disposed of in accordance with Department regulations. A report shall be filed within five days of the test with the Tennessee Department of Environment and Conservation, Division of Radiological Health, William R. Snodgrass Tennessee Tower, 312 Rosa Parks Avenue, 15th Floor, Nashville, Tennessee 37243, describing the equipment involved, the test results, and the corrective action taken."
17. Shipments of Plutonium by air, regardless of quantity, may only be made in packages the design of which has been specifically approved by the U.S. Nuclear Regulatory Commission for transport of Plutonium by air.



TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
 DIVISION OF RADIOLOGICAL HEALTH
 WILLIAM R. SNODGRASS TENNESSEE TOWER, 15TH FLOOR
 312 ROSA L. PARKS AVENUE, NASHVILLE, TENNESSEE 37243

RADIOACTIVE MATERIAL LICENSE

Amendment 8

Supplementary Sheet

Page 5 of 6 Pages

License Number R-53008-E19

18. The licensee shall maintain complete and accurate records of the receipt and disposal of radioactive material. The licensee shall, for radioactive material no longer useful for any purpose and for any equipment or supplies contaminated with such material for which further use and decontamination is not planned, define those materials as radioactive waste and treat them as such in accordance with the following provisions:
- A. Radioactive waste material shall not be stored with non-radioactive waste.
 - B. A written record of all radioactive waste material shall be maintained until it has been determined by a suitable survey or radioassay that it has decayed to background levels or until it has been shipped to an authorized recipient in accordance with all applicable regulations. Accountability of radioactive waste material prepared for shipment but not yet shipped from the licensee's premises shall be maintained by the licensee by an internal record system such that the licensee is constantly aware of the material's location and the proposed time of shipment. Individuals who are involved in the shipping of such material and/or the storage of such material prior to shipment, shall be trained in the precautions necessary for such handling and storage.
 - C. For material which has decayed to background levels as determined by radioassay or external level as measured with appropriately calibrated instruments, records shall indicate that the material was determined to be no longer radioactive and will indicate the methods and results of the survey or analysis.
 - D. Shipment records of radioactive waste material shall be maintained and the licensee shall require written confirmation from the authorized recipient of such material that this material has been received.
 - E. All records and written confirmations required by this condition shall be maintained for inspection by the Department.

The requirements for this condition are in addition to any other requirements for the handling and/or disposal of radioactive material contained in this license and "State Regulations for Protection Against Radiation."

19. The licensee shall not open sealed sources containing radioactive material.



TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
 DIVISION OF RADIOLOGICAL HEALTH
 WILLIAM R. SNODGRASS TENNESSEE TOWER, 15TH FLOOR
 312 ROSA L. PARKS AVENUE, NASHVILLE, TENNESSEE 37243

RADIOACTIVE MATERIAL LICENSE

Amendment 8

Supplementary Sheet

Page 6 of 6 Pages

License Number R-53008-E19

20. Prior to initial use and after installation, relocation, dismantling, alignment, or any other activity involving the source or removal of the shielding, the licensee shall assure that a radiological survey is performed to determine radiation levels in accessible areas around, above, and below the gauge with the shutter open. This survey shall be performed only by persons authorized to perform such services by this Department, the U.S. Nuclear Regulatory Commission, or another Agreement State. A record of the results of this survey shall be maintained for the duration of the license.

21. The licensee is authorized to receive, possess, and use any radioactive material distributed under a general license, issued by the U.S. Nuclear Regulatory Commission, an Agreement state, or a Licensing state without being specifically referenced in Items 6, 8, 9, and 10 of this license. Notwithstanding, any other conditions of this license, the general licensee may possess and use radioactive material received under the provisions of " State Regulations for Protection Against Radiation ," 0400-20-10 in accordance with the requirements provided at the time of transfer of the radioactive material under the terms of the general license.

23. No provision of this license relieves the licensee from compliance with other Federal, State and local laws, ordinances, and regulations applicable to the licensee's activities.

24. Except as specifically provided otherwise by this license, the licensee shall possess and use radioactive material described in Items 6, 8, and 9 of this license in accordance with statements, representations, and procedures contained in the following:
 - Application and letter dated March 16, 2009, with attachments
 - Email received June 20, 2014
 - Letters dated April 28, 2009, with attachments, May 5, 2009, June 22, 2010, with attachments, January 10, 2012, with attachments, January 30, 2014, February 24, 2014, with attachment, May 28, 2014, June 13, 2014, with attachments, and **October 22, 2015, with attachments.**



Designer and Manufacturer
of
Scientific and Industrial
Instruments

www.ludlums.com

CERTIFICATE OF CALIBRATION

LUDLUM MEASUREMENTS, INC.

10744 Dutchtown Road
865-392-4601
Knoxville, TN 37932, U.S.A.



CERT # 4084.02

Customer CHASE ENVIRONMENTAL GROUP

ORDER NO. 20004346/10001061

Mfg. Ludlum Measurements, Inc. Model 26-1 Serial No. PFO05080

Mfg. Model Serial No.

Cal. Date 5-Jun-17 Cal Due Date 5-Jun-18 Cal. Interval 1 Year Meterface Digital

Check mark applies to applicable instr. and/or detector IAW mfg. spec. T. 72 °F RH 58 % Alt 733.3 mm Hg

New Instrument Instrument Received Within Toler. +-10% 10-20% Out of Tol. Requiring Repair Other-See comments

Mechanical ck. Meter Zeroed Background Subtract Input Sens. Linearity

F/S Resp. ck. Reset ck. Window Operation

Audio ck. Alarm Setting ck. Batt. ck.

Calibrated in accordance with LMI SOP 14.8 Calibrated in accordance with LMI SOP 14.9

Instrument Volt Set 895 V Input Sens. 620 mV Det. Oper. V at mV Threshold Dial Ratio = mV

COMMENTS:

Factory Background: 44c/m | Efficiencies were taken at the surface plane without the "Exposure Filter".
Source: Tc-99: 9360dpm Pu-239: 19476.06dpm | The instrument was calibrated with the "Exposure Filter" in place.
Net Reading: 1805c/m 2.20kc/m | Electronic calibration was performed without deadtime.
Efficiency: 18.81% 4Pi 11.07% 4Pi |
Firmware: 105

Deadtime: 3.15µSec
Cal Constant: 70 mR/hr \ c/m

Gamma Calibration: GM detectors positioned perpendicular to source except for M 44-9 in which the front of probe faces source.

RANGE/MULTIPLIER	REFERENCE CAL. POINT	INSTRUMENT REC'D "AS FOUND READING"	INSTRUMENT METER READING*
Dig	400 mR/hr	413 mR/hr	413 mR/hr
Dig	200 mR/hr	201	201
	80 mR/hr	80.7	80.7
	20 mR/hr	20.6	20.6
	8 mR/hr	8.39	8.39
	2 mR/hr	2.15	2.15
	1 mR/hr	1.01	1.01
	0.8 mR/hr	0.84	0.84
	0.2 mR/hr	0.20	0.20

*Uncertainty within ± 10% C.F. within ± 20%

Range(s) Calibrated Electronically

Ratemeter Readout	REFERENCE CAL. POINT	INSTRUMENT RECEIVED	INSTRUMENT METER READING*	Scaler Readout	REFERENCE CAL. POINT	INSTRUMENT RECEIVED	INSTRUMENT METER READING*
	80 kc/m	79.7 kc/m	79.7 kc/m		80 kc/m	79.60 (0)	79.60 (0)
20	19.8	19.8	20	19.87	19.87		
8	7.9	7.9	8	7.97	7.97		
2	1.98	1.98	2	1.99	1.99		
800 c/m	799 c/m	799 c/m	800 c/m	80	80		
200	199	199	200	20	20		

Ludlum Measurements, Inc. certifies that the above instrument has been calibrated by standards traceable to the National Institute of Standards and Technology, or to the calibration facilities of other International Standards Organization members, or have been derived from accepted values of natural physical constants or have been derived by the ratio type of calibration techniques. The calibration system conforms to the requirements of ANSI/NC SL Z540-1-1994 and ANSI N323-1978. ISO/IE 17025:2005(E) State of Texas Calibration License No. LO-1963

Reference Instruments and/or Sources: Cs-137 S/N: 059 2171CP 2261CP 720 734 781 1131 1616 1696 1909 1916CP 2324/2521 5717CO 5719CO 60646 70897 73410 E552 G112 2168CP S-394 S-1054 T10081 T10082 Neutron Am-241 Be T-304 Ra-226 Y982

Alpha S/N Pu-239: M6-460 Beta S/N Tc-99: AC-1136 Other

m 500 S/N 296322 Oscilloscope S/N Multimeter S/N

Calibrator Michelle Khonsari Title Calibration Technician Date 5 June 17

QC'd By [Signature] Title Service Dept QC Date 5 Jun 17



Designer and Manufacturer
of
Scientific and Industrial
Instruments

CERTIFICATE OF CALIBRATION

LUDLUM MEASUREMENTS, INC.

10744 Dutchtown Road
865-392-4601
Knoxville, TN 37932, U.S.A.



CERT # 4084.02

Customer CHASE ENVIRONMENTAL GROUP ORDER NO. 20003957/10000736

Mfg. Thermo Model FH 40 G-L Serial No. 017916

Mfg. _____ Model _____ Serial No. _____

Cal. Date 23-Jan-17 Cal Due Date 23-Jan-18 Cal. Interval 1 Year Meterface DIGITAL

Check mark applies to applicable instr. and/or detector IAW mfg. spec. T. 70 °F RH 52 % Alt 726.9 mm Hg

New Instrument Instrument Received Within Toler. +10% 10-20% Out of Tol. Requiring Repair Other-See comments

Mechanical ck. Meter Zeroed Background Subtract Input Sens. Linearity

F/S Resp. ck. Reset ck. Window Operation Geotropism

Audio ck. Alarm Setting ck. Batt. ck.

Calibrated in accordance with LMI SOP 14.8 Calibrated in accordance with LMI SOP 14.9

Instrument Volt Set _____ V Input Sens. _____ mV Det. Oper. _____ V at _____ mV Threshold Dial Ratio _____ = _____ mV

HV Readout (2 points) Ref./Inst. _____ / _____ V Ref./Inst. _____ / _____ V

COMMENTS:

Alarm checked but not set.

Gamma Calibration: GM detectors positioned perpendicular to source except for M 44-9 in which the front of probe faces source.

RANGE	REFERENCE	INSTRUMENT	INSTRUMENT	RANGE	REFERENCE	INSTRUMENT	INSTRUMENT
MULTIPLIER	CAL. POINT	RECEIVED	METER READING*	MULTIPLIER	CAL. POINT	RECEIVED	METER READING*
DIG	8 R/hr	7.39 R/hr	7.39 R/hr	DIG	2 mR/hr	2.09 mR/hr	2.09 mR/hr
DIG	2 R/hr	1.99	1.99	DIG			
DIG	800 mR/hr	800 mR/hr	800 mR/hr				
DIG	400 mR/hr	403	403				
DIG	200 mR/hr	203	203				
DIG	100 mR/hr	103	103				
DIG	80 mR/hr	81.9	81.9				
DIG	20 mR/hr	19.8	19.8				
DIG	10 mR/hr	9.96	9.96				
DIG	8 mR/hr	7.82	7.82				

*Uncertainty within ± 10% C.F. within ± 20%

Range(s) Calibrated Electronically

REFERENCE	INSTRUMENT	INSTRUMENT	REFERENCE	INSTRUMENT	INSTRUMENT
CAL. POINT	RECEIVED	METER READING*	CAL. POINT	RECEIVED	METER READING*
Digital Readout			Log Scale		

Ludlum Measurements, Inc. certifies that the above instrument has been calibrated by standards traceable to the National Institute of Standards and Technology, or to the calibration facilities of other International Standards Organization members, or have been derived from accepted values of natural physical constants or have been derived by the ratio type of calibration techniques. The calibration system conforms to the requirements of ANSI/NCSL Z540-1-1994 and ANSI N323-1978. ISO/IE 17025:2005(E) State of Texas Calibration License No. LO-1963

Reference Instruments and/or Sources: Cs-137 S/N: 059 2171CP 2261CP 720 734 781 1131 1616 1696 1909 1916CP 2324/2521
 5717CO 5719CO 60646 70897 73410 E562 G112 2168CP S-394 S-1054 T10081 T10082 Neutron Am-241 Be T-304 Ra-228 Y982
 Alpha S/N _____ Beta S/N _____ Other Cs-137: 5088/5171
 m 500 S/N _____ Oscilloscope S/N _____ Multimeter S/N _____

Calibrator [Signature] Title Calibrator Date 23 Jan 17
 QC'd By [Signature] Title QC Date 23 Jan 17

AC Inst. Passed Dielectric (Hi-Pot) and Continuity Test
 Only Failed: _____



Chase Environmental Group

200 Sam Rayburn Pkwy
Lenoir City, TN 37771
(865) 816-6015

LEAK TEST CERTIFICATE

Generator Information

Client #: 1195
Issued To: PSEG Power
Bridgport CT
1 Atlantic Street
Bridgeport CT 06605
USA

Sample Information

Sample#: 1 Location: Bottom Ash Density

Sample Date Manuf. Model Device #
10/16/18 Texas Nuclear SG-5202 B-116

Sampled By: Isotope Activity Source S/N
Jeff Chapman Cs-137 500 mCi

Notes: Pre-disposal Leak Test

Laboratory Information

Jeff Chapman 10/19/17 4276 <0.005 µCi.
J.R. Chapman, Lab Tech. Lab Date Lab # Lab Results

Instrumentation MDA (37 Bq. = 0.001 µCi.)
Instr.#: 102010 Cs-137: 0.00005 µCi Pu-239: 0.00004 µCi
Det.#: PR102462 Tc-99: 0.00006 µCi C-14: 0.00014 µCi

Removable contamination (leak test) analysis was obtained using detection configuration: 45

Sample results were less than 0.005 µCi. (<185 Bq.), and will not require regulatory notification.
All documents, including this certificate, should be maintained on file for agency review.
Services provided in accordance with Tennessee Radioactive Materials License # R-53008-E19



Chase Environmental Group

200 Sam Rayburn Pkwy
Lenoir City, TN 37771
(865) 816-6015

LEAK TEST CERTIFICATE

Generator Information

Client #: 1195
Issued To: PSEG Power
Bridgport CT
1 Atlantic Street
Bridgport CT 06605
USA

Sample Information

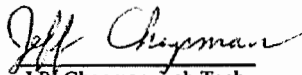
Sample#: 7 Location: 3B Coal Silo

<u>Sample Date</u>	<u>Manuf.</u>	<u>Model</u>	<u>Device #</u>
10/16/18	Kay-Ray	7062 BP	17628J

<u>Sampled By:</u>	<u>Isotope</u>	<u>Activity</u>	<u>Source S/N</u>
Jeff Chapman	Cs-137	100 mCi	

Notes: Pre-disposal Leak Test

Laboratory Information

 J.R. Chapman, Lab Tech.	<u>10/19/17</u> Lab Date	<u>4282</u> Lab #	<u><0.005 µCi.</u> Lab Results
----------------------------------------------------------------------------------------------------------------	-----------------------------	----------------------	--------------------------------------

<u>Instrumentation</u>	<u>MDA (37 Bq. = 0.001 µCi.)</u>
Instr.#: 102010 Det.#: PR102462	Cs-137: 0.00005 µCi Pu-239: 0.00004 µCi Tc-99: 0.00006 µCi C-14: 0.00014 µCi

Removable contamination (leak test) analysis was obtained using detection configuration: 45

Sample results were less than 0.005 µCi. (<185 Bq.), and will not require regulatory notification.
All documents, including this certificate, should be maintained on file for agency review.
Services provided in accordance with Tennessee Radioactive Materials License # R-53008-E19



Chase Environmental Group

200 Sam Rayburn Pkwy
Lenoir City, TN 37771
(865) 816-6015

LEAK TEST CERTIFICATE

Generator Information

Client #: 1195
Issued To: PSEG Power
Bridgport CT
1 Atlantic Street
Bridgport CT 06605
USA

Sample Information

Sample#: 6 Location: 3A Coal Silo

Sample Date Manuf. Model Device #
10/16/18 Kay-Ray 7062 BP 17628I

Sampled By: Isotope Activity Source S/N
Jeff Chapman Cs-137 100 mCi

Notes: Pre-disposal Leak Test

Laboratory Information

Jeff Chapman 10/19/17 4281 <0.005 µCi.
J.R. Chapman, Lab Tech. Lab Date Lab # Lab Results

Instrumentation MDA (37 Bq. = 0.001 µCi.)
Instr.#: 102010 Cs-137: 0.00005 µCi Pu-239: 0.00004 µCi
Det.#: PR102462 Tc-99: 0.00006 µCi C-14: 0.00014 µCi

Removable contamination (leak test) analysis was obtained using detection configuration: 45

Sample results were less than 0.005 µCi. (<185 Bq.), and will not require regulatory notification.
All documents, including this certificate, should be maintained on file for agency review.
Services provided in accordance with Tennessee Radioactive Materials License # R-53008-E19



Chase Environmental Group

200 Sam Rayburn Pkwy
Lenoir City, TN 37771
(865) 816-6015

LEAK TEST CERTIFICATE

Generator Information

Client #: 1195
Issued To: PSEG Power
Bridgport CT
1 Atlantic Street
Bridgeport CT 06605
USA

Sample Information

Sample#: 8 Location: 3C Coal Silo

Sample Date Manuf. Model Device #
10/16/18 Kay-Ray 7062 BP 17628H

Sampled By: Isotope Activity Source S/N
Jeff Chapman Cs-137 100 mCi

Notes: Pre-disposal Leak Test

Laboratory Information

Jeff Chapman
J.R. Chapman, Lab Tech.

10/19/17
Lab Date

4283
Lab #

<0.005 µCi.
Lab Results

Instrumentation MDA (37 Bq. = 0.001 µCi.)
Instr.#: 102010 Cs-137: 0.00005 µCi Pu-239: 0.00004 µCi
Det.#: PR102462 Tc-99: 0.00006 µCi C-14: 0.00014 µCi

Removable contamination (leak test) analysis was obtained using detection configuration: 45

Sample results were less than 0.005 µCi. (<185 Bq.), and will not require regulatory notification.
All documents, including this certificate, should be maintained on file for agency review.
Services provided in accordance with Tennessee Radioactive Materials License # R-53008-E19



Chase Environmental Group

200 Sam Rayburn Pkwy
Lenoir City, TN 37771
(865) 816-6015

LEAK TEST CERTIFICATE

Generator Information

Client #: 1195
Issued To: PSEG Power
Bridgport CT
1 Atlantic Street
Bridgeport CT 06605
USA

Sample Information

Sample#: 2 Location: 3A Coal Silo

Sample Date Manuf. Model Device #
10/16/18 Kay-Ray 7062 BP 17628G

Sampled By: Isotope Activity Source S/N
Jeff Chapman Cs-137 100 mCi

Notes: Pre-disposal Leak Test

Laboratory Information

Jeff Chapman 10/19/17 4277 <0.005 µCi.
J.R. Chapman, Lab Tech. Lab Date Lab # Lab Results

Instrumentation MDA (37 Bq. = 0.001 uCi.)
Instr.#: 102010 Cs-137: 0.00005 µCi Pu-239: 0.00004 µCi
Det.#: PR102462 Tc-99: 0.00006 µCi C-14: 0.00014 µCi

Removable contamination (leak test) analysis was obtained using detection configuration: 45

Sample results were less than 0.005 µCi. (<185 Bq.), and will not require regulatory notification.
All documents, including this certificate, should be maintained on file for agency review.
Services provided in accordance with Tennessee Radioactive Materials License # R-53008-E19



Chase Environmental Group

200 Sam Rayburn Pkwy
Lenoir City, TN 37771
(865) 816-6015

LEAK TEST CERTIFICATE

Generator Information

Client #: 1195
Issued To: PSEG Power
Bridgport CT
1 Atlantic Street
Bridgeport CT 06605
USA

Sample Information

Sample#: 3 Location: 3B Coal Silo

<u>Sample Date</u>	<u>Manuf.</u>	<u>Model</u>	<u>Device #</u>
10/16/18	Kay-Ray	7062 BP	17628E
<u>Sampled By:</u>	<u>Isotope</u>	<u>Activity</u>	<u>Source S/N</u>
Jeff Chapman	Cs-137	100 mCi	

Notes: Pre-disposal Leak Test

Laboratory Information

 J.R. Chapman, Lab Tech.	<u>10/19/17</u> Lab Date	<u>4278</u> Lab #	<u><0.005 µCi.</u> Lab Results
----------------------------------------------------------------------------------------------------------------	-----------------------------	----------------------	--------------------------------------

<u>Instrumentation</u>	<u>MDA (37 Bq. = 0.001 µCi.)</u>	
Instr.#: 102010	Cs-137: 0.00005 µCi	Pu-239: 0.00004 µCi
Det.#: PR102462	Tc-99: 0.00006 µCi	C-14: 0.00014 µCi

Removable contamination (leak test) analysis was obtained using detection configuration: 45

Sample results were less than 0.005 µCi. (<185 Bq.), and will not require regulatory notification.
All documents, including this certificate, should be maintained on file for agency review.
Services provided in accordance with Tennessee Radioactive Materials License # R-53008-E19



Chase Environmental Group

200 Sam Rayburn Pkwy
Lenoir City, TN 37771
(865) 816-6015

LEAK TEST CERTIFICATE

Generator Information

Client #: 1195
Issued To: PSEG Power
Bridgport CT
1 Atlantic Street
Bridgeport CT 06605
USA

Sample Information

Sample#: 9 Location: 3E Coal Silo

<u>Sample Date</u> 10/16/18	<u>Manuf.</u> Kay-Ray	<u>Model</u> 7062 BP	<u>Device #</u> 17628D
<u>Sampled By:</u> Jeff Chapman	<u>Isotope</u> Cs-137	<u>Activity</u> 100 mCi	<u>Source S/N</u>

Notes: Pre-disposal Leak Test

Laboratory Information

 J.R. Chapman, Lab Tech.	<u>10/19/17</u> Lab Date	<u>4284</u> Lab #	<u><0.005 µCi.</u> Lab Results
----------------------------------------------------------------------------------------------------------------	-----------------------------	----------------------	--------------------------------------

<u>Instrumentation</u>	<u>MDA (37 Bq. = 0.001 µCi.)</u>
Instr.#: 102010	Cs-137: 0.00005 µCi Pu-239: 0.00004 µCi
Det.#: PR102462	Tc-99: 0.00006 µCi C-14: 0.00014 µCi

Removable contamination (leak test) analysis was obtained using detection configuration: 45

Sample results were less than 0.005 µCi. (<185 Bq.), and will not require regulatory notification.
All documents, including this certificate, should be maintained on file for agency review.
Services provided in accordance with Tennessee Radioactive Materials License # R-53008-E19



Chase Environmental Group

200 Sam Rayburn Pkwy
Lenoir City, TN 37771
(865) 816-6015

LEAK TEST CERTIFICATE

Generator Information

Client #: 1195
Issued To: PSEG Power
Bridgport CT
1 Atlantic Street
Bridgeport CT 06605
USA

Sample Information

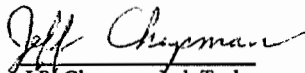
Sample#: 4 Location: 3C Coal Silo

Sample Date Manuf. Model Device #
10/16/18 Kay-Ray 7062 BP 17628C

Sampled By: Isotope Activity Source S/N
Jeff Chapman Cs-137 100 mCi

Notes: Pre-disposal Leak Test

Laboratory Information


J.R. Chapman, Lab Tech. 10/19/17 4279 <0.005 µCi.
Lab Date Lab # Lab Results

Instrumentation MDA (37 Bq. = 0.001 µCi.)
Instr.#: 102010 Cs-137: 0.00005 µCi Pu-239: 0.00004 µCi
Det.#: PR102462 Tc-99: 0.00006 µCi C-14: 0.00014 µCi

Removable contamination (leak test) analysis was obtained using detection configuration: 45

Sample results were less than 0.005 µCi. (<185 Bq.), and will not require regulatory notification.
All documents, including this certificate, should be maintained on file for agency review.
Services provided in accordance with Tennessee Radioactive Materials License # R-53008-E19



Chase Environmental Group

200 Sam Rayburn Pkwy
Lenoir City, TN 37771
(865) 816-6015

LEAK TEST CERTIFICATE

Generator Information

Client #: 1195
Issued To: PSEG Power
Bridgport CT
1 Atlantic Street
Bridgeport CT 06605
USA

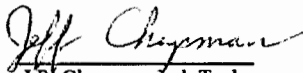
Sample Information

Sample#: 5 Location: 3E Coal Silo

<u>Sample Date</u> 10/16/18	<u>Manuf.</u> Kay-Ray	<u>Model</u> 7062 BP	<u>Device #</u> 17628A
<u>Sampled By:</u> Jeff Chapman	<u>Isotope</u> Cs-137	<u>Activity</u> 100 mCi	<u>Source S/N</u>

Notes: Pre-disposal Leak Test

Laboratory Information

 J.R. Chapman, Lab Tech.	<u>10/19/17</u> Lab Date	<u>4280</u> Lab #	<u><0.005 µCi.</u> Lab Results
----------------------------------------------------------------------------------------------------------------	-----------------------------	----------------------	--------------------------------------

<u>Instrumentation</u>	<u>MDA (37 Bq. = 0.001 µCi.)</u>
Instr.#: 102010	Cs-137: 0.00005 µCi Pu-239: 0.00004 µCi
Det.#: PR102462	Tc-99: 0.00006 µCi C-14: 0.00014 µCi

Removable contamination (leak test) analysis was obtained using detection configuration: 45

Sample results were less than 0.005 µCi. (<185 Bq.), and will not require regulatory notification.
All documents, including this certificate, should be maintained on file for agency review.
Services provided in accordance with Tennessee Radioactive Materials License # R-53008-E19



Chase Environmental Group

200 Sam Rayburn Pkwy
Lenoir City, TN 37771
(865) 816-6015

LEAK TEST CERTIFICATE

Generator Information

Client #: 1195
Issued To: PSEG Power
Bridgport CT
1 Atlantic Street
Bridgport CT 06605
USA

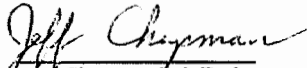
Sample Information

Sample#: 23 Location: C7-B7 ESP Hopper

<u>Sample Date</u>	<u>Manuf.</u>	<u>Model</u>	<u>Device #</u>
10/16/18	Kay-Ray	7080	17498P
<u>Sampled By:</u>	<u>Isotope</u>	<u>Activity</u>	<u>Source S/N</u>
Jeff Chapman	Cs-137	200 mCi	

Notes: Pre-disposal Leak Test

Laboratory Information

 J.R. Chapman, Lab Tech.	<u>10/19/17</u> Lab Date	<u>4299</u> Lab #	<u><0.005 µCi.</u> Lab Results
----------------------------------------------------------------------------------------------------------------	-----------------------------	----------------------	--------------------------------------

<u>Instrumentation</u>	<u>MDA (37 Bq. = 0.001 µCi.)</u>
Instr.#: 102010	Cs-137: 0.00005 µCi Pu-239: 0.00004 µCi
Det.#: PR102462	Tc-99: 0.00006 µCi C-14: 0.00014 µCi

Removable contamination (leak test) analysis was obtained using detection configuration: 45

Sample results were less than 0.005 µCi. (<185 Bq.), and will not require regulatory notification.
All documents, including this certificate, should be maintained on file for agency review.
Services provided in accordance with Tennessee Radioactive Materials License # R-53008-E19



Chase Environmental Group

200 Sam Rayburn Pkwy
Lenoir City, TN 37771
(865) 816-6015

LEAK TEST CERTIFICATE

Generator Information

Client #: 1195
Issued To: PSEG Power
Bridgport CT
1 Atlantic Street
Bridgport CT 06605
USA

Sample Information

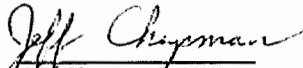
Sample#: 24 Location: C8-B8 ESP Hopper

Sample Date Manuf. Model Device #
10/16/18 Kay-Ray 7080 174980

Sampled By: Isotope Activity Source S/N
Jeff Chapman Cs-137 200 mCi

Notes: Pre-disposal Leak Test

Laboratory Information


J.R. Chapman, Lab Tech. 10/19/17 4300 <0.005 µCi.
Lab Date Lab # Lab Results

Instrumentation MDA (37 Bq. = 0.001 µCi.)
Instr.#: 102010 Cs-137: 0.00005 µCi Pu-239: 0.00004 µCi
Det.#: PR102462 Tc-99: 0.00006 µCi C-14: 0.00014 µCi

Removable contamination (leak test) analysis was obtained using detection configuration: 45

Sample results were less than 0.005 µCi. (<185 Bq.), and will not require regulatory notification.
All documents, including this certificate, should be maintained on file for agency review.
Services provided in accordance with Tennessee Radioactive Materials License # R-53008-E19



Chase Environmental Group

200 Sam Rayburn Pkwy
Lenoir City, TN 37771
(865) 816-6015

LEAK TEST CERTIFICATE

Generator Information

Client #: 1195
Issued To: PSEG Power
Bridgport CT
1 Atlantic Street
Bridgport CT 06605
USA

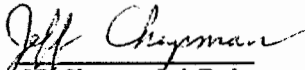
Sample Information

Sample#: 20 Location: C4-B4 ESP Hopper

<u>Sample Date</u> 10/16/18	<u>Manuf.</u> Kay-Ray	<u>Model</u> 7080	<u>Device #</u> 17498N
<u>Sampled By:</u> Jeff Chapman	<u>Isotope</u> Cs-137	<u>Activity</u> 200 mCi	<u>Source S/N</u>

Notes: Pre-disposal Leak Test

Laboratory Information

 J.R. Chapman, Lab Tech.	<u>10/19/17</u> Lab Date	<u>4296</u> Lab #	<u><0.005 μCi.</u> Lab Results
----------------------------------------------------------------------------------------------------------------	-----------------------------	----------------------	--------------------------------------

<u>Instrumentation</u>	<u>MDA (37 Bq. = 0.001 uCi.)</u>
Instr.#: 102010	Cs-137: 0.00005 μCi Pu-239: 0.00004 μCi
Det.#: PR102462	Tc-99: 0.00006 μCi C-14: 0.00014 μCi

Removable contamination (leak test) analysis was obtained using detection configuration: 45

Sample results were less than 0.005 μCi. (<185 Bq.), and will not require regulatory notification.
All documents, including this certificate, should be maintained on file for agency review.
Services provided in accordance with Tennessee Radioactive Materials License # R-53008-E19



Chase Environmental Group

200 Sam Rayburn Pkwy
Lenoir City, TN 37771
(865) 816-6015

LEAK TEST CERTIFICATE

Generator Information

Client #: 1195
Issued To: PSEG Power
Bridgport CT
1 Atlantic Street
Bridgport CT 06605
USA

Sample Information

Sample#: 19 Location: C3-B3 ESP Hopper

<u>Sample Date</u> 10/16/18	<u>Manuf.</u> Kay-Ray	<u>Model</u> 7080	<u>Device #</u> 17498M
<u>Sampled By:</u> Jeff Chapman	<u>Isotope</u> Cs-137	<u>Activity</u> 200 mCi	<u>Source S/N</u>

Notes: Pre-disposal Leak Test

Laboratory Information

 J.R. Chapman, Lab Tech.	<u>10/19/17</u> Lab Date	<u>4295</u> Lab #	<u><0.005 µCi.</u> Lab Results
----------------------------------------------------------------------------------------------------------------	-----------------------------	----------------------	--------------------------------------

<u>Instrumentation</u>	<u>MDA (37 Bq. = 0.001 µCi.)</u>
Instr.#: 102010	Cs-137: 0.00005 µCi Pu-239: 0.00004 µCi
Det.#: PR102462	Tc-99: 0.00006 µCi C-14: 0.00014 µCi

Removable contamination (leak test) analysis was obtained using detection configuration: 45

Sample results were less than 0.005 µCi. (<185 Bq.), and will not require regulatory notification.
All documents, including this certificate, should be maintained on file for agency review.
Services provided in accordance with Tennessee Radioactive Materials License # R-53008-E19



Chase Environmental Group

200 Sam Rayburn Pkwy
Lenoir City, TN 37771
(865) 816-6015

LEAK TEST CERTIFICATE

Generator Information

Client #: 1195
Issued To: PSEG Power
Bridgport CT
1 Atlantic Street
Bridgport CT 06605
USA

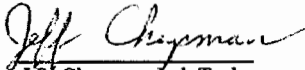
Sample Information

Sample#: 17 Location: C1-B1 ESP Hopper

<u>Sample Date</u> 10/16/18	<u>Manuf.</u> Kay-Ray	<u>Model</u> 7080	<u>Device #</u> 17498L
<u>Sampled By:</u> Jeff Chapman	<u>Isotope</u> Cs-137	<u>Activity</u> 200 mCi	<u>Source S/N</u>

Notes: Pre-disposal Leak Test

Laboratory Information

 J.R. Chapman, Lab Tech.	<u>10/19/17</u> Lab Date	<u>4293</u> Lab #	<u><0.005 µCi.</u> Lab Results
----------------------------------------------------------------------------------------------------------------	-----------------------------	----------------------	--------------------------------------

<u>Instrumentation</u>	<u>MDA (37 Bq. = 0.001 µCi.)</u>
Instr.#: 102010	Cs-137: 0.00005 µCi Pu-239: 0.00004 µCi
Det.#: PR102462	Tc-99: 0.00006 µCi C-14: 0.00014 µCi

Removable contamination (leak test) analysis was obtained using detection configuration: 45

Sample results were less than 0.005 µCi. (<185 Bq.), and will not require regulatory notification.
All documents, including this certificate, should be maintained on file for agency review.
Services provided in accordance with Tennessee Radioactive Materials License # R-53008-E19



Chase Environmental Group

200 Sam Rayburn Pkwy
Lenoir City, TN 37771
(865) 816-6015

LEAK TEST CERTIFICATE

Generator Information

Client #: 1195
Issued To: PSEG Power
Bridgport CT
1 Atlantic Street
Bridgeport CT 06605
USA

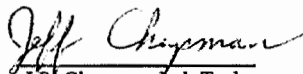
Sample Information

Sample#: 21 Location: C5-B5 ESP Hopper

<u>Sample Date</u> 10/16/18	<u>Manuf.</u> Kay-Ray	<u>Model</u> 7080	<u>Device #</u> 17498K
<u>Sampled By:</u> Jeff Chapman	<u>Isotope</u> Cs-137	<u>Activity</u> 200 mCi	<u>Source S/N</u>

Notes: Pre-disposal Leak Test

Laboratory Information

 J.R. Chapman, Lab Tech.	<u>10/19/17</u> Lab Date	<u>4297</u> Lab #	<u><0.005 µCi.</u> Lab Results
----------------------------------------------------------------------------------------------------------------	-----------------------------	----------------------	--------------------------------------

<u>Instrumentation</u>	<u>MDA (37 Bq. = 0.001 µCi.)</u>
Instr.#: 102010	Cs-137: 0.00005 µCi Pu-239: 0.00004 µCi
Det.#: PR102462	Tc-99: 0.00006 µCi C-14: 0.00014 µCi

Removable contamination (leak test) analysis was obtained using detection configuration: 45

Sample results were less than 0.005 µCi. (<185 Bq.), and will not require regulatory notification.
All documents, including this certificate, should be maintained on file for agency review.
Services provided in accordance with Tennessee Radioactive Materials License # R-53008-E19



Chase Environmental Group

200 Sam Rayburn Pkwy
Lenoir City, TN 37771
(865) 816-6015

LEAK TEST CERTIFICATE

Generator Information

Client #: 1195
Issued To: PSEG Power
Bridgeport CT
1 Atlantic Street
Bridgeport CT 06605
USA

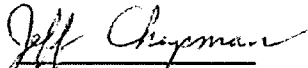
Sample Information

Sample#: 22 Location: C6-B6 ESP Hopper

<u>Sample Date</u> 10/16/18	<u>Manuf.</u> Kay-Ray	<u>Model</u> 7080	<u>Device #</u> 17498J
<u>Sampled By:</u> Jeff Chapman	<u>Isotope</u> Cs-137	<u>Activity</u> 200 mCi	<u>Source S/N</u>

Notes: Pre-disposal Leak Test

Laboratory Information

 J.R. Chapman, Lab Tech.	<u>10/19/17</u> Lab Date	<u>4298</u> Lab #	<u><0.005 µCi.</u> Lab Results
----------------------------------------------------------------------------------------------------------------	-----------------------------	----------------------	--------------------------------------

<u>Instrumentation</u>	<u>MDA (37 Bq. = 0.001 µCi.)</u>
Instr.#: 102010	Cs-137: 0.00005 µCi Pu-239: 0.00004 µCi
Det.#: PR102462	Tc-99: 0.00006 µCi C-14: 0.00014 µCi

Removable contamination (leak test) analysis was obtained using detection configuration: 45

Sample results were less than 0.005 µCi. (<185 Bq.), and will not require regulatory notification.
All documents, including this certificate, should be maintained on file for agency review.
Services provided in accordance with Tennessee Radioactive Materials License # R-53008-E19



Chase Environmental Group

200 Sam Rayburn Pkwy
Lenoir City, TN 37771
(865) 816-6015

LEAK TEST CERTIFICATE

Generator Information

Client #: 1195
Issued To: PSEG Power
Bridgport CT
1 Atlantic Street
Bridgport CT 06605
USA

Sample Information

Sample#: 18 Location: C2-B2 ESP Hopper

<u>Sample Date</u>	<u>Manuf.</u>	<u>Model</u>	<u>Device #</u>
10/16/18	Kay-Ray	7080	17498I

<u>Sampled By:</u>	<u>Isotope</u>	<u>Activity</u>	<u>Source S/N</u>
Jeff Chapman	Cs-137	200 mCi	

Notes: Pre-disposal Leak Test

Laboratory Information

 J.R. Chapman, Lab Tech.	<u>10/19/17</u> Lab Date	<u>4294</u> Lab #	<u><0.005 µCi.</u> Lab Results
----------------------------------------------------------------------------------------------------------------	-----------------------------	----------------------	--------------------------------------

<u>Instrumentation</u>	<u>MDA (37 Bq. = 0.001 µCi.)</u>
Instr.#: 102010	Cs-137: 0.00005 µCi Pu-239: 0.00004 µCi
Det.#: PR102462	Tc-99: 0.00006 µCi C-14: 0.00014 µCi

Removable contamination (leak test) analysis was obtained using detection configuration: 45

Sample results were less than 0.005 µCi. (<185 Bq.), and will not require regulatory notification.
All documents, including this certificate, should be maintained on file for agency review.
Services provided in accordance with Tennessee Radioactive Materials License # R-53008-E19



Chase Environmental Group
 200 Sam Rayburn Pkwy
 Lenoir City, TN 37771
 (865) 816-6015

LEAK TEST CERTIFICATE

Generator Information

Client #: 1195
 Issued To: PSEG Power
 Bridgeport CT
 1 Atlantic Street
 Bridgeport CT 06605
 USA

Sample Information

Sample#: 16 Location: A8 ESP Hopper

<u>Sample Date</u>	<u>Manuf.</u>	<u>Model</u>	<u>Device #</u>
10/16/18	Kay-Ray	7063 P	17498H

<u>Sampled By:</u>	<u>Isotope</u>	<u>Activity</u>	<u>Source S/N</u>
Jeff Chapman	Cs-137	200 mCi	

Notes: Pre-disposal Leak Test

Laboratory Information

<u>Jeff Chapman</u>	<u>10/19/17</u>	<u>4292</u>	<u><0.005 µCi.</u>
J.R. Chapman, Lab Tech.	Lab Date	Lab #	Lab Results

<u>Instrumentation</u>	<u>MDA (37 Bq. = 0.001 µCi.)</u>
Instr.#: 102010	Cs-137: 0.00005 µCi Pu-239: 0.00004 µCi
Det.#: PR102462	Tc-99: 0.00006 µCi C-14: 0.00014 µCi

Removable contamination (leak test) analysis was obtained using detection configuration: 45

Sample results were less than 0.005 µCi. (<185 Bq.), and will not require regulatory notification.
 All documents, including this certificate, should be maintained on file for agency review.
 Services provided in accordance with Tennessee Radioactive Materials License # R-53008-E19



Chase Environmental Group

200 Sam Rayburn Pkwy
Lenoir City, TN 37771
(865) 816-6015

LEAK TEST CERTIFICATE

Generator Information

Client #: 1195
Issued To: PSEG Power
Bridgport CT
1 Atlantic Street
Bridgeport CT 06605
USA

Sample Information

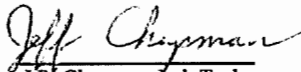
Sample#: 10 Location: A1 ESP Hopper

Sample Date Manuf. Model Device #
10/16/18 Kay-Ray 7063 P 17498G

Sampled By: Isotope Activity Source S/N
Jeff Chapman Cs-137 200 mCi

Notes: Pre-disposal Leak Test

Laboratory Information


J.R. Chapman, Lab Tech. 10/19/17 4285 <0.005 µCi.
Lab Date Lab # Lab Results

Instrumentation MDA (37 Bq. = 0.001 µCi.)
Instr.#: 102010 Cs-137: 0.00005 µCi Pu-239: 0.00004 µCi
Det.#: PR102462 Tc-99: 0.00006 µCi C-14: 0.00014 µCi

Removable contamination (leak test) analysis was obtained using detection configuration: 45

Sample results were less than 0.005 µCi. (<185 Bq.), and will not require regulatory notification.
All documents, including this certificate, should be maintained on file for agency review.
Services provided in accordance with Tennessee Radioactive Materials License # R-53008-E19



Chase Environmental Group

200 Sam Rayburn Pkwy
Lenoir City, TN 37771
(865) 816-6015

LEAK TEST CERTIFICATE

Generator Information

Client #: 1195
Issued To: PSEG Power
Bridgport CT
1 Atlantic Street
Bridgport CT 06605
USA

Sample Information

Sample#: 13 Location: A4 ESP Hopper

<u>Sample Date</u> 10/16/18	<u>Manuf.</u> Kay-Ray	<u>Model</u> 7063 P	<u>Device #</u> 17498F
<u>Sampled By:</u> Jeff Chapman	<u>Isotope</u> Cs-137	<u>Activity</u> 200 mCi	<u>Source S/N</u>

Notes: Pre-disposal Leak Test

Laboratory Information

 J.R. Chapman, Lab Tech.	<u>10/19/17</u> Lab Date	<u>4288</u> Lab #	<u><0.005 µCi.</u> Lab Results
----------------------------------------------------------------------------------------------------------------	-----------------------------	----------------------	--------------------------------------

<u>Instrumentation</u>	<u>MDA (37 Bq. = 0.001 µCi.)</u>
Instr.#: 102010	Cs-137: 0.00005 µCi Pu-239: 0.00004 µCi
Det.#: PR102462	Tc-99: 0.00006 µCi C-14: 0.00014 µCi

Removable contamination (leak test) analysis was obtained using detection configuration: 45

Sample results were less than 0.005 µCi. (<185 Bq.), and will not require regulatory notification.
All documents, including this certificate, should be maintained on file for agency review.
Services provided in accordance with Tennessee Radioactive Materials License # R-53008-E19



Chase Environmental Group

200 Sam Rayburn Pkwy
Lenoir City, TN 37771
(865) 816-6015

LEAK TEST CERTIFICATE

Generator Information

Client #: 1195
Issued To: PSEG Power
Bridgport CT
1 Atlantic Street
Bridgeport CT 06605
USA

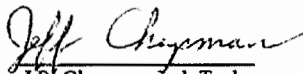
Sample Information

Sample#: 15 Location: A6 ESP Hopper

<u>Sample Date</u> 10/16/18	<u>Manuf.</u> Kay-Ray	<u>Model</u> 7063 P	<u>Device #</u> 17498E
<u>Sampled By:</u> Jeff Chapman	<u>Isotope</u> Cs-137	<u>Activity</u> 200 mCi	<u>Source S/N</u>

Notes: Pre-disposal Leak Test

Laboratory Information

 J.R. Chapman, Lab Tech.	<u>10/19/17</u> Lab Date	<u>4290</u> Lab #	<u><0.005 µCi.</u> Lab Results
----------------------------------------------------------------------------------------------------------------	-----------------------------	----------------------	--------------------------------------

<u>Instrumentation</u>	<u>MDA (37 Bq. = 0.001 µCi.)</u>
Instr.#: 102010	Cs-137: 0.00005 µCi Pu-239: 0.00004 µCi
Det.#: PR102462	Tc-99: 0.00006 µCi C-14: 0.00014 µCi

Removable contamination (leak test) analysis was obtained using detection configuration: 45

Sample results were less than 0.005 µCi. (<185 Bq.), and will not require regulatory notification.
All documents, including this certificate, should be maintained on file for agency review.
Services provided in accordance with Tennessee Radioactive Materials License # R-53008-E19



Chase Environmental Group
 200 Sam Rayburn Pkwy
 Lenoir City, TN 37771
 (865) 816-6015

LEAK TEST CERTIFICATE

Generator Information

Client #: 1195
 Issued To: PSEG Power
 Bridgeport CT
 1 Atlantic Street
 Bridgeport CT 06605
 USA

Sample Information

Sample#: 14 Location: A5 ESP Hopper

<u>Sample Date</u>	<u>Manuf.</u>	<u>Model</u>	<u>Device #</u>
10/16/18	Kay-Ray	7063 P	17498D

<u>Sampled By:</u>	<u>Isotope</u>	<u>Activity</u>	<u>Source S/N</u>
Jeff Chapman	Cs-137	200 mCi	

Notes: Pre-disposal Leak Test

Laboratory Information

<u><i>Jeff Chapman</i></u>	<u>10/19/17</u>	<u>4289</u>	<u><0.005 μCi.</u>
J.R. Chapman, Lab Tech.	Lab Date	Lab #	Lab Results

<u>Instrumentation</u>	<u>MDA (37 Bq. = 0.001 μCi.)</u>	
Instr.#: 102010	Cs-137: 0.00005 μ Ci	Pu-239: 0.00004 μ Ci
Det.#: PR102462	Tc-99: 0.00006 μ Ci	C-14: 0.00014 μ Ci

Removable contamination (leak test) analysis was obtained using detection configuration: 45

Sample results were less than 0.005 μ Ci. (<185 Bq.), and will not require regulatory notification.
 All documents, including this certificate, should be maintained on file for agency review.
 Services provided in accordance with Tennessee Radioactive Materials License # R-53008-E19



Chase Environmental Group

200 Sam Rayburn Pkwy
Lenoir City, TN 37771
(865) 816-6015

LEAK TEST CERTIFICATE

Generator Information

Client #: 1195
Issued To: PSEG Power
Bridgport CT
1 Atlantic Street
Bridgport CT 06605
USA

Sample Information

Sample#: 11 Location: A2 ESP Hopper

Sample Date Manuf. Model Device #
10/16/18 Kay-Ray 7063 P 17498C

Sampled By: Isotope Activity Source S/N
Jeff Chapman Cs-137 200 mCi

Notes: Pre-disposal Leak Test

Laboratory Information

Jeff Chapman 10/19/17 4286 <0.005 µCi.
J.R. Chapman, Lab Tech. Lab Date Lab # Lab Results

Instrumentation MDA (37 Bq. = 0.001 µCi.)
Instr #: 102010 Cs-137: 0.00005 µCi Pu-239: 0.00004 µCi
Det #: PR102462 Tc-99: 0.00006 µCi C-14: 0.00014 µCi

Removable contamination (leak test) analysis was obtained using detection configuration: 45

Sample results were less than 0.005 µCi. (<185 Bq.), and will not require regulatory notification.
All documents, including this certificate, should be maintained on file for agency review.
Services provided in accordance with Tennessee Radioactive Materials License # R-53008-E19



Chase Environmental Group

200 Sam Rayburn Pkwy
Lenoir City, TN 37771
(865) 816-6015

LEAK TEST CERTIFICATE

Generator Information

Client #: 1195
Issued To: PSEG Power
Bridgeport CT
1 Atlantic Street
Bridgeport CT 06605
USA

Sample Information

Sample#: 16 Location: A7 ESP Hopper

Sample Date Manuf. Model Device #
10/16/18 Kay-Ray 7063 P 17498B

Sampled By: Isotope Activity Source S/N
Jeff Chapman Cs-137 200 mCi

Notes: Pre-disposal Leak Test

Laboratory Information

J.R. Chapman, Lab Tech.

10/19/17
Lab Date

4291
Lab #

<0.005 µCi.
Lab Results

Instrumentation MDA (37 Bq. = 0.001 µCi.)
Instr.#: 102010 Cs-137: 0.00005 µCi Pu-239: 0.00004 µCi
Det.#: PR102462 Tc-99: 0.00006 µCi C-14: 0.00014 µCi

Removable contamination (leak test) analysis was obtained using detection configuration: 45

Sample results were less than 0.005 µCi. (<185 Bq.), and will not require regulatory notification.
All documents, including this certificate, should be maintained on file for agency review.
Services provided in accordance with Tennessee Radioactive Materials License # R-53008-E19



Chase Environmental Group

200 Sam Rayburn Pkwy
 Lenoir City, TN 37771
 (865) 816-6015

LEAK TEST CERTIFICATE

Generator Information

Client #: 1195
 Issued To: PSEG Power
 Bridgeport CT
 1 Atlantic Street
 Bridgeport CT 06605
 USA

Sample Information

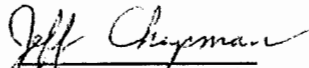
Sample#: 12 Location: A3 ESP Hopper

<u>Sample Date</u>	<u>Manuf.</u>	<u>Model</u>	<u>Device #</u>
10/16/18	Kay-Ray	7063 P	17498A

<u>Sampled By:</u>	<u>Isotope</u>	<u>Activity</u>	<u>Source S/N</u>
Jeff Chapman	Cs-137	200 mCi	

Notes: Pre-disposal Leak Test

Laboratory Information

	<u>10/19/17</u>	<u>4287</u>	<u><0.005 µCi.</u>
J.R. Chapman, Lab Tech.	Lab Date	Lab #	Lab Results

<u>Instrumentation</u>	<u>MDA (37 Bq. = 0.001 µCi.)</u>
Instr.#: 102010	Cs-137: 0.00005 µCi Pu-239: 0.00004 µCi
Det.#: PR102462	Tc-99: 0.00006 µCi C-14: 0.00014 µCi

Removable contamination (leak test) analysis was obtained using detection configuration: 45

Sample results were less than 0.005 µCi. (<185 Bq.), and will not require regulatory notification.
 All documents, including this certificate, should be maintained on file for agency review.
 Services provided in accordance with Tennessee Radioactive Materials License # R-53008-E19

Customer Name
Month DD, YYYY



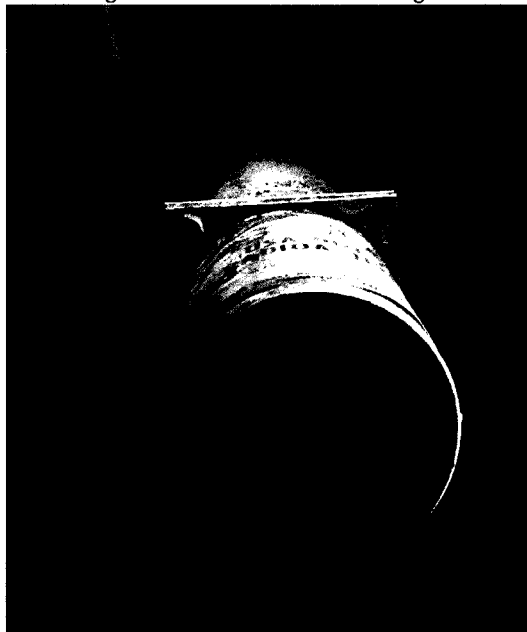
Project Name
Document Title
Page #.# of #.#

Radiological Survey Record

Project: PSEG Power		License: 06-19224-02		Location: Bridgeport CT		Date: 10/17/2017		Page: 1			
Surveyor: Jeff Chapman		Signature: <i>Jeff Chapman</i>		Notes:							
Instrument / Serial #	Source Check	Cal. Due	Alpha/Beta	Total/Removable	Bkgd (mR/hr)	Efficiency	Equilibrium Factor	Count Time (min)		Area (cm ²)	MDC (dpm/100cm ²)
Thermo FH40GL-17916	Good	1/23/2018	N/A	N/A	0.007	N/A	N/A	N/A	N/A	N/A	N/A
Ludlum 26-1 Pfoo5080	Good	6/5/2018	40	0	40 cpm	22.00%	N/A	1	40	15.51	950
Gauge Information			Highs Dose Rate				Location				
Isotope	Original Activity	Manufacturer	Serial Number	Model #	mR/hr Contact	mR/hr 4"	mR/hr 1 ft	Wipe Test			
Cs-137	500 mCi	Texas Nuclear	B-116	SG-502	17.0	4.4	2.2	<MDC	Bottom Ash Density		
Cs-137	100 mCi	Kay-Ray	17628G	7062 BP	9.9	2.8	0.8	<MDC	3A Coal Silo		
Cs-137	100 mCi	Kay-Ray	17628E	7062 BP	14.2	3.6	1.6	<MDC	3B Coal Silo		
Cs-137	100 mCi	Kay-Ray	17628C	7062 BP	10.0	2.2	0.7	<MDC	3C Coal Silo		
Cs-137	100 mCi	Kay-Ray	17628A	7062 BP	2.0	1.1	0.2	<MDC	3E Coal Silo		
Cs-137	100 mCi	Kay-Ray	17628I	7062 BP	13.3	2.6	1.2	<MDC	3A Coal Silo		
Cs-137	100 mCi	Kay-Ray	17628J	7062 BP	1.8	0.6	0.2	<MDC	3B Coal Silo		
Cs-137	100 mCi	Kay-Ray	17628H	7062 BP	10.6	2.4	0.6	<MDC	3C Coal Silo		
Cs-137	100 mCi	Kay-Ray	17628D	7062 BP	13.4	3.1	1.1	<MDC	3E Coal Silo		
Cs-137	200 mCi	Kay-Ray	17498G	7063 P	11.6	4.4	1.0	<MDC	A1 ESP Hopper		
Cs-137	200 mCi	Kay-Ray	17498C	7063 P	0.8	0.6	0.5	<MDC	A2 ESP Hopper		
Cs-137	200 mCi	Kay-Ray	17498A	7063 P	12.0	2.8	0.8	<MDC	A3 ESP Hopper		
Cs-137	200 mCi	Kay-Ray	17498F	7063 P	0.5	0.4	0.2	<MDC	A4 ESP Hopper		
Cs-137	200 mCi	Kay-Ray	17498D	7063 P	0.3	0.2	0.1	<MDC	A5 ESP Hopper		
Cs-137	200 mCi	Kay-Ray	17498E	7063 P	0.6	0.2	0.1	<MDC	A6 ESP Hopper		
Cs-137	200 mCi	Kay-Ray	17498B	7063 P	0.3	0.1	0.1	<MDC	A7 ESP Hopper		
Cs-137	200 mCi	Kay-Ray	17498H	7063 P	0.6	0.4	0.3	<MDC	A8 ESP Hopper		
Cs-137	200 mCi	Kay-Ray	17498L	7080	20.5	3.4	2.0	<MDC	C1-B1 ESP Hopper		
Cs-137	200 mCi	Kay-Ray	17498I	7080	22.0	5.0	2.1	<MDC	C2-B2 ESP Hopper		
Cs-137	200 mCi	Kay-Ray	17498M	7080	21.8	5.5	1.9	<MDC	C3-B3 ESP Hopper		
Cs-137	200 mCi	Kay-Ray	17498N	7080	23.3	6.1	1.9	<MDC	C4-B4 ESP Hopper		
Cs-137	200 mCi	Kay-Ray	17498K	7080	24.2	3.6	1.7	<MDC	C5-B5 ESP Hopper		
Cs-137	200 mCi	Kay-Ray	17498J	7080	23.0	4.6	3.0	<MDC	C6-B6 ESP Hopper		
Cs-137	200 mCi	Kay-Ray	17498P	7080	19.0	4.2	2.0	<MDC	C7-B7 ESP Hopper		
Cs-137	200 mCi	Kay-Ray	17498O	7080	25.0	5.6	3.0	<MDC	C8-B8 ESP Hopper		

The gauge devices were spread out in multiple locations across the facility and required fall protection and working up high on scaffolding and other areas required Tyvek and respiratory protection.

During gauge removal activities, each device was checked for removable contamination with a gross masselin wipe around the exterior surface of the devices. A leak test was then performed and field checked and will be analyzed back at the Chase count lab. Dose rates were then taken to first verify that the shutters were in the closed position. For the dose rate surveys taken, the highest readings were recorded on contact, at 4 inches and 1 foot. Survey information for each gauge and leak test certificates are attached to the report package. Once the gauges were removed, dose rates were checked to verify that the area was back to normal background levels before moving on to the next device.



As the gauges were taken down and the inventory was verified, they were packaged in approved shipping containers and loaded onto a truck to ship for disposal. The documentation associated with shipping and disposal will be sent as a separate document.

All work was performed safely and good ALARA practices were kept.

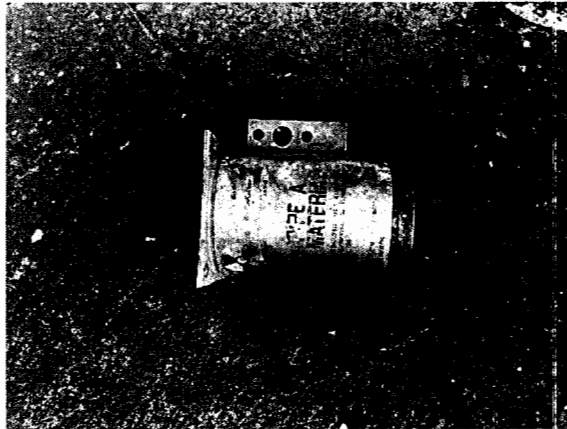
If you have any questions please call.

Jeff Chapman
Chase Environmental Group
200 Sam Rayburn Pkwy.
Lenoir City, TN 37771
865 816 6015 office
865 850 3127 cell

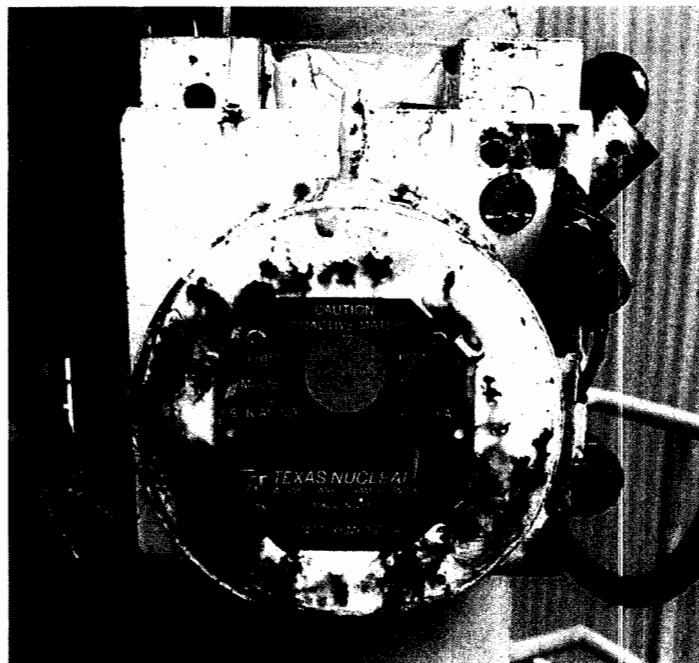


Mike Phelan
PSEG Power
1 Atlantic Street,
Bridgeport, CT 06605

Chase Environmental Group was contracted by Connecticut Tank Removal to uninstall, package and transport twenty five (25) Cs-137 gauges for disposal. The original activity of the sources ranged from 500 millicuries to 100 millicuries. The devices were originally installed in 1984 and have all decayed at least one half-life. Reciprocal recognition of Chase's TN license, R-53008-E19, was given by the NRC to perform work in the state of Connecticut.



Prior to starting work activities, Chase personnel were required to take the sight specific safety training. Once the training was completed and instruments were set up, gauge removal activities were started. The instruments used to survey were a Thermo FH-40-G-L, SN#17916 with a calibration due date of 1/23/18. This meter was used for gamma dose rate measurements. Also a Ludlum 26-1, SN# PF005080 with a calibration due date of 6/5/18, was used to check for removable contamination and field checking the leak test wipes. Calibration certificates and daily response check forms are attached.



https://www.ups.com/uis/create?ActionOriginPair=default__PrintWindowPage&key=lab... 5/22/2018

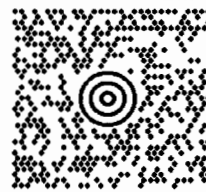
ANDREW AHERN
203-551-6107
PSEG
1 ATLANTIC STREET
BRIDGEPORT CT 06604

1 LBS

1 OF 1

SHIP TO:

LICENSING ASSISTANCE SECTION
203-551-6107
US NUCLEAR REG. COMMISSION REGION 1
SUITE 100
2100 RENAISSANCE BOULEVARD
KING OF PRUSSIA PA 19406-2713

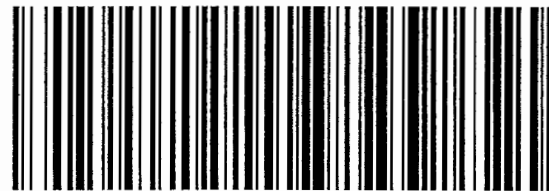


PA 193 9-02



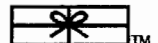
UPS GROUND

TRACKING #: 1Z 3E2 56W 03 9994 0036



BILLING: P/P

UIS 20.0 42. WNTNV50 99.CA 04/2018





ACKNOWLEDGEMENT - RECEIPT OF CORRESPONDENCE

Name and Address of Applicant and/or Licensee Michael J. Phelan Plant Engineer PSEG Power Connecticut, LLC 1 Atlantic Street Bridgeport, Connecticut 06604-5513	Date May 30, 2018
	License Number(s) 06-19224-02
	Mail Control Number(s) 608913
	Licensing and/or Technical Reviewer or Branch Commercial, Industrial, R&D, and Academic Branch

This is to acknowledge receipt of your: Letter and/or Application Dated: May 21, 2018

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 complete and submit NRC Form 531, Request for Taxpayer Identification Number, located at the following link: <http://www.nrc.gov/reading-rm/doc-collections/forms/nrc531.pdf>
 Follow the instructions on the form for submission.

The following administrative omissions have been identified:

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 I
U. S. Nuclear Regulatory Commission
Division of Nuclear Materials Safety
2100 Renaissance Boulevard, Suite 100
King of Prussia, PA 19406-2713
(610) 337-5260, (610) 337-5313,
(610) 337-5398, (610) 337-5239