



UNITED STATES  
**NUCLEAR REGULATORY COMMISSION**  
REGION I  
475 ALLENDALE ROAD  
KING OF PRUSSIA, PENNSYLVANIA 19406-1415

December 6, 2004

Docket No. 03010270  
Control No. 135271

License No. 37-06554-02

R. L. Anderson  
Vice President Nuclear Operations  
PPL Generation, LLC  
Two North Ninth Street

Allentown, PA 18101-1179

SUBJECT: PPL GENERATION, LLC, ISSUANCE OF LICENSE AMENDMENT, CONTROL  
NO. 135271

Dear Mr. Anderson:

This refers to your license amendment request. Enclosed with this letter is the amended license. The facilities at 13-21 North Tenth Street, Allentown, Pennsylvania, and Humboldt Industrial Park, 1 Scotch Pine Drive, Hazleton, Pennsylvania, may be released for unrestricted use. The materials that had been used at these facilities, which are no longer required and have been disposed of, have been removed from the license. In addition, Mr. Richard Doty has been listed as the Radiation Safety Officer for this license.

Please review the enclosed document carefully and be sure that you understand and fully implement all the conditions incorporated into the amended license. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region I Office, Licensing Assistance Team, (610) 337-5239, so that we can provide appropriate corrections and answers.

*An environmental assessment for this action is not required, since this action is categorically excluded under 10 CFR 51.22(c)(14).*

In accordance with 10 CFR 2.390, a copy of this letter will be placed in the NRC Public Document Room and will be accessible from the NRC Web site at <http://www.nrc.gov/reading-rm.html>.

Thank you for your cooperation.

Sincerely,

***Original signed by Thomas K. Thompson***

Thomas K. Thompson  
Senior Health Physicist  
Nuclear Materials Safety Branch 2  
Division of Nuclear Materials Safety

Enclosure:

R. Anderson  
PPL Generation, LLC

2

Amendment No. 18

cc:  
Stephen L. Ingram  
Richard Doty, Radiation Safety Officer

DOCUMENT NAME: E:\Filenet\ML043440111.wpd

To receive a copy of this document, indicate in the box: "C" = Copy w/o attach/encl "E" = Copy w/ attach/encl "N" = No copy

OFFICE	DNMS/RI	N	DNMS/RI	N	DNMS/RI			
NAME	MMcLaughlin/MM3		TThompson/TKT					
DATE	12/6/04		12/6/04					

OFFICIAL RECORD COPY

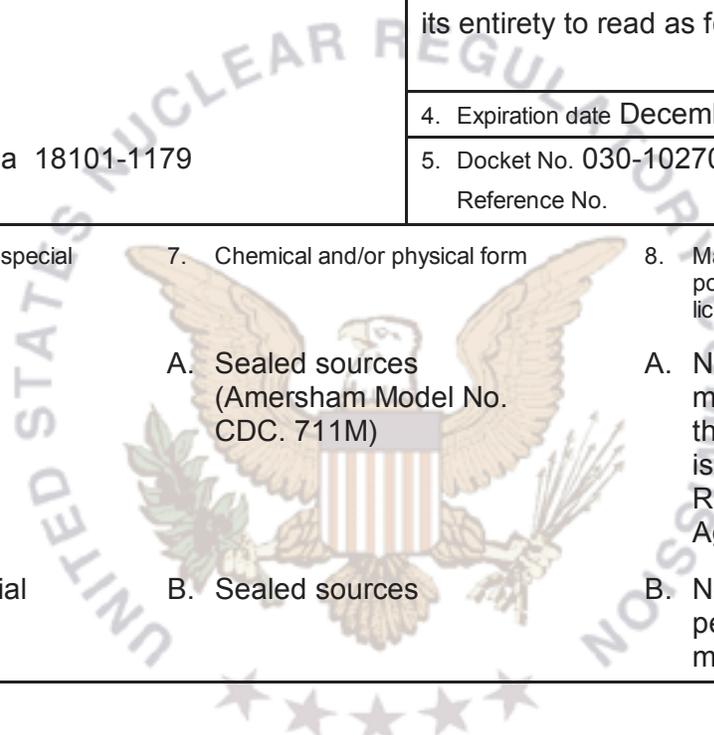
**MATERIALS LICENSE**

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, 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 byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

<p style="text-align: center;">Licensee</p> <p>1. PPL Generation, LLC.</p> <p>2. Two North Ninth Street Allentown, Pennsylvania 18101-1179</p>	<p>In accordance with the letter dated July 2, 2004,</p> <p>3. License number 37-06554-02 is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration date December 31, 2012</p> <hr/> <p>5. Docket No. 030-10270 Reference No.</p>
--	---

<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Cesium 137</p> <p>B. Any byproduct material</p>	<p>7. Chemical and/or physical form</p> <p>A. Sealed sources (Amersham Model No. CDC. 711M)</p> <p>B. Sealed sources</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. No single source to exceed the maximum activity specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission or an Agreement State</p> <p>B. Not to exceed 10 microcuries per source and 100 microcuries total</p>
--	--	---

<p>9. Authorized use:</p> <p>A For irradiation of materials in self-shielded irradiator devices that have been registered either with the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or with an Agreement State and which have been distributed in accordance with a Commission or Agreement State specific license authorizing distribution to persons specifically authorized by a Commission or Agreement State license to receive, possess, and use the devices.</p> <p>B For use as instrument check sources.</p>
--



**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**License Number  
37-06554-02Docket or Reference Number  
030-10270

Amendment No. 18

## CONDITIONS

10. Licensed material may be used or stored only at the licensee's facilities located at the Corporate Dosimetry Laboratory, Gallery Building, 940 Hamilton Street, Allentown.
11. A. Licensed material shall be used by, or under the supervision of, Richard L. Doty, Jeffery D. Griswold, Stephen L. Ingram, or individuals who have received the training described in the application dated May 31, 2002 and have been designated, in writing, by the Radiation Safety Officer.  
B. The Radiation Safety Officer for this license is Richard L. Doty.
12. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit specified in 10 CFR 30.35(d), 40.36(b), and 70.25(d) for establishing financial assurance for decommissioning.
13. A. Sealed sources shall be tested for leakage and/or contamination at intervals not to exceed the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or under equivalent regulations of an Agreement State.  
B. Notwithstanding Paragraph A of this Condition, sealed sources designed to primarily emit alpha particles shall be tested for leakage and/or contamination at intervals not to exceed 3 months.  
C. In the absence of a certificate from a transferor indicating that a leak test has been made within the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or under equivalent regulations of an Agreement State, prior to the transfer, a sealed source received from another person shall not be put into use until tested and the test results received.  
D. Sealed sources need not be tested if they contain only hydrogen-3; or they contain only a radioactive gas; or the half-life of the isotope is 30 days or less; or they contain not more than 100 microcuries of beta- and/or gamma-emitting material or not more than 10 microcuries of alpha-emitting material.  
E. Sealed sources need not be tested if they are in storage and are not being used; however, when they are removed from storage for use or transferred to another person and have not been tested within the required leak test interval, they shall be tested before use or transfer. No sealed source shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**License Number  
37-06554-02Docket or Reference Number  
030-10270

Amendment No. 18

- F. The leak test shall be capable of detecting the presence of 0.005 microcurie (185 becquerels) of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie (185 becquerels) or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission in accordance with 10 CFR 30.50(c)(2), and the source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations.
- G. Tests for leakage and/or contamination, including leak test sample collection and analysis, shall be performed by the licensee or by other persons specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.
- H. Records of leak test results shall be kept in units of microcuries and shall be maintained for 5 years.
14. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders by the licensee.
15. The licensee shall conduct a physical inventory every six months, or at other intervals approved by the U.S. Nuclear Regulatory Commission, to account for all sources and/or devices received and possessed under the license. Records of inventories shall be maintained for 5 years from the date of each inventory and shall include the radionuclides, quantities, manufacturer's name and model numbers, and the date of the inventory.
16. The licensee shall not repair, remove, replace, or alter any of the following: electrical and mechanical systems that control source or shielding movement, the irradiator's shielding or sealed source, safety interlocks, or any component that may affect safe operation of the irradiator. These activities shall be performed by a person specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.
17. Notwithstanding Condition 16, the licensee may remove and install sealed sources in the Williston Elin 2001 series TLD irradiator as described in the application dated May 31, 2002.
18. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License Number  
37-06554-02

Docket or Reference Number  
030-10270

Amendment No. 18

19. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The U.S. Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.

- A. Application dated May 31, 2002
- B. Letter dated July 31, 2002
- C. Letter dated February 2, 2004



For the U.S. Nuclear Regulatory Commission

Date December 6, 2004  
bbbbbbbbbbbbbbbbbbbbbbbb

By ***Original signed by Thomas K. Thompson***  
 \_\_\_\_\_  
 Thomas K. Thompson  
 Commercial and R&D Branch  
 Division of Nuclear Materials Safety  
 Region I  
 King of Prussia, Pennsylvania 19406