

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, 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.

Licensee		
1. Houston Lighting and Power Company	3. License number	42-23140-01
2. P. O. Box 1700 Houston, Texas 77001	4. Expiration date	February 28, 1990
	5. Docket or Reference No.	030-20301
6. Byproduct, source, and/or special nuclear material	7. Chemical and/or physical form	8. Maximum amount that licensee may possess at any one time under this license
A. Any byproduct material with Atomic Numbers 1 through 83, inclusive	A. Any	A. Not to exceed 1 curie per radionuclide
B. Any byproduct material with Atomic Numbers 84 through 96, except: Atomic Numbers 86 and 88	B. Any	B. Not to exceed 500 microcuries per radionuclide
C. Uranium-235	C. Any	C. 100 grams
D. Plutonium-239	D. Any	D. 1 gram
E. Uranium (Depleted in Uranium-235)	E. Any	E. 2 kilograms

8507100308 850226
REG4 LIC30
42-23140-01 PDR

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number

42-23140-01

Docket or Reference number

030-20301

F. Any byproduct material
with Atomic Numbers 4
through 84, inclusive

F. Sealed or plated
sources or foils

F. Not to exceed
10 curies per
sealed source
or foil, except:

Cesium-137 -
600 curies

G. Any byproduct material
with Atomic Numbers
85 through 96, except:
Atomic Numbers 86 and 88

G. Sealed or plated
sources or foils

G. Not to exceed
2 millicuries
per sealed source
or foil, except:
Americium-241 -
6 curies

H. Californium-252

H. Sealed sources

H. 10 curies

9. Authorized use:

A. through G. To be used for systems security checks; equipment standardization and calibration; process control, gauging and quality assurance testing; teaching; and nuclear reactor operations.

H. Primary reactor startup sources and equipment calibration.

CONDITIONS

10. Licensed material shall be used only at the South Texas Project Electric Generating Station, FM 521, Matagorda County, Wadsworth, Texas.

11. The licensee shall comply with the provisions of Title 10, Chapter 1, Code of Federal Regulations, Part 19, "Notices, Instructions and Reports to Workers; Inspections" and Part 20, "Standards for Protection Against Radiation."

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number

42-23140-01

Docket or Reference number

030-20301

12. Licensed material shall be used by, or under the supervision of, individuals designated by the South Texas Project Electric Generating Station Radiation Safety Committee, Gene L. Jarvela, Chairman.
13. A. (1) Each sealed source acquired from another person and containing licensed material, other than hydrogen-3, with a half-life greater than 30 days and in any form other than gas shall be tested for contamination and/or leakage prior to use. In the absence of a certificate from a transferor indicating that a test has been made within 6 months prior to the transfer, a sealed source received from another person shall not be put into use until tested.
- (2) Notwithstanding the periodic leak test required by this condition, any licensed sealed source is exempt from such leak tests when the source contains 100 microcuries or less of beta and/or gamma emitting material or 10 microcuries or less of alpha emitting material.
- (3) Except for alpha sources, the periodic leak test required by this condition does not apply to sealed sources that are stored and not being used. The sources excepted from this test shall be tested for leakage prior to any use or transfer to another person unless they have been leak tested within 6 months prior to the date of use or transfer.
- B. Each sealed source containing licensed material, other than hydrogen-3, with a half-life greater than 30 days and in any form other than gas shall be tested for leakage and/or contamination at intervals not to exceed 6 months except that each source designed for the purpose of emitting alpha particles shall be tested at intervals not to exceed 3 months.

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number

42-23140-01

Docket or Reference number

030-20301

- C. The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. The test sample shall be taken from the sealed source or from the surfaces of the device in which the sealed source is permanently or semipermanently mounted or stored on which one might expect contamination to accumulate. Records of leak test results shall be kept in units of microcuries and maintained for inspection by the Commission.
- D. If the test required by Subsection A. or C. of this condition reveals the presence of 0.005 microcurie or more of removable contamination, 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 Commission regulations. A report shall be filed within 5 days of the test with the U. S. Nuclear Regulatory Commission, Region IV, 611 Ryan Plaza Dr., Suite 1000, Arlington, Texas 76011, describing the equipment involved, the test results, and the corrective action taken.
14. The licensee shall conduct a physical inventory every 6 months to account for all sealed sources received and possessed under the license. The records of the inventories shall be maintained for 2 years from the date of the inventory for inspection by the Commission, and shall include the quantities and kinds of byproduct material, manufacturer's name and model numbers, location of sealed sources and the date of the inventory.
15. Sealed sources containing licensed material shall not be opened. Installation, relocation, removal from service, and initial radiation survey of generally or specifically licensed devices containing licensed material shall be performed only by the licensee, the device manufacturer, or other persons specifically authorized by the Commission or an Agreement State to perform such services. Maintenance and repair of devices, and installation, replacement, and disposal of sealed sources containing licensed material used in generally or specifically licensed devices shall be performed only by the licensee, the device manufacturer, or by other persons specifically authorized by the Commission or an Agreement State to perform such services.
16. The licensee may transport licensed material or deliver licensed material to a carrier for transport in accordance with the provisions of Title 10, Code of Federal Regulations, Part 71, "Packaging and Transportation of Radioactive Material."

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number
42-23140-01

Docket or Reference number
030-20301

17. Except as specifically provided otherwise by this license, the licensee shall possess and use licensed material described in Items 6, 7, and 8 of this license in accordance with statements, representations, and procedures contained in letters dated July 3, 1984, January 18, 1985, and February 13, 1985. The Nuclear Regulatory Commission's regulations shall govern the licensee's statements in applications or letters, unless the statements are more restrictive than the regulations.



Date **FEB 26 1985**

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Original Signed By
Jack E. Whitten

By

Nuclear Materials Safety Section
Region IV
Arlington, Texas 76011

Official Record Copy

ML40