MATERIALS LICENSE

Amendment No. 1

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. Department of Energy Bonneville Power Administration-SI	In accordance with letter dated May 23, 1985 3. License number 36-19375-01 is amended in its entirety to read as follows:
2. P.O. Box 3621 Portland, Oregon 97208	4. Expiration date August 31, 1990
	5. Docket or Reference No. 030-17523

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. Cesium 137/ Americium 241	A. Combined sealed sources (Campbell Pacific Nuclear Model CPN-131)	A. Not to exceed 10 millicuries of cesium 137 and 50 millicuries of americium 241 per source
B. Cesium 137	B. Sealed sources (Campbell Pacific Nuclear Model CPN-131)	B. Not to exceed 10 millicuries per source
C. Americium 241	C. Sealed sources (Campbell Pacific Nuclear Model CPN-131)	C. Not to exceed 50 millicuries per source
D. Cesium 137/ Americium 241	D. Combined sealed sources (Campbell Pacific Nuclear Model CPN-131-1)	D. Not to exceed 10 millicuries of cesium 137 and 50 millicuries of americium 241 per source
E. Cesium 137	E. Sealed sources (Troxler Dwg. A-102112)	E. Not to exceed 10 millicuries per source
F. Americium 241	F. Sealed sources (Troxler Dwg. A-102451)	F. Not to exceed 50 millicuries per source

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number
36-19375-01

Docket or Reference number
030-17523

Amendment No. 1

9. Authorized use

A. For use in Campbell Pacific Nuclear Portaprobe Model BR gauges for moisture/density measurements.

B. and C. For use in Campbell Pacific Nuclear Model MC Series gauges for moisture/density measurements.

D. For use in Campbell Pacific Model 500 Series gauges for moisture/density measurements.

E. and F. For use in Troxler Model 3400 Series gauges for moisture/density measurements.

CONDITIONS

10. Licensed material may be stored at the licenese's facilities at 5411 Highway 99; Vancouver, Washington, and may be used at temporary job sites of the licensee anywhere in the United States.

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".

12. Licensed material shall be used by, or under the supervision and in the physical presence of, individuals who have completed the Federal Highway Administration, Vancouver, Washington, the Troxler Electronic Laboratories, Inc., or the Campbell Pacific Nuclear, training course in the use of the devices and have been designated by James I. Sutton, Radiation Protection Officer.

13. Sealed sources containing licensed material shall not be opened or removed from their respective source holders by the licensee.

14. Maintenance or repair of portable devices involving removal of the sealed sources from the devices or removal or dismantling of shielding may be performed by the device manufacturer, or by other persons specifically authorized by the Commission or an Agreement State to perform such services.

15. A. (1) Each sealed source containing licensed material, other than hydrogen 3, with a half-life greater than thirty days and in any form other than gas shall be tested for leakage and/or contamination at intervals not to exceed six months. In the absence of a certificate from a transferor indicating that a test has been made within six months prior to the transfer, a sealed source received from another person shall not be put into use until tested.

(2) 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 six months prior to the date of use or transfer.

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number
36-19375-01

Docket or Reference number
030-17523

Amendment No. 1

CONDITIONS

(continued)

B. 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 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.

C. If the test 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 five (5) days of the test with the U. S. Nuclear Regulatory Commission, Region V, Office of the Regional Administrator, 1450 Maria Lane, Suite 210, Walnut Creek, California 94596, describing the equipment involved, the test results, and the corrective action taken.

D. The licensee is authorized to collect leak test samples in accordance with the procedures described in the licensee's application dated May 23, 1985 for analysis by U.S. Testing Company. Alternatively, leak test samples may be collected and/or analyzed by other persons specifically authorized by the Commission or an Agreement State to perform such services.

16. The licensee shall conduct a physical inventory every six (6) months to account for all sealed sources received and possessed under the license. The records of the inventories shall be maintained for two (2) years from the date of the inventory for inspection by the Commission, and shall include the quantities and kinds of licensed material, location of sealed sources and the date of the inventory.

17. 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 of Radioactive Material for Transport and Transportation of Radioactive Material Under Certain Conditions".

18. 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 application dated May 23, 1985 and letter dated July 24, 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.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date AUG 21 1985

By _____

Beth A. Riedlinger
Health Physicist (Licensing)
Nuclear Materials Safety Section
Region V