

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License number

07-01579-19

Docket or Reference number

030-10925

Amendment No. 15

"OFFICIAL RECORD COPY"

University of Delaware
Newark, Delaware 19711

In accordance with letter dated April 16, 1985, License Number 07-01579-19 is amended as follows:

Items 6., 7., 8., and 9. are amended to read:

- | | | |
|---|---|---|
| <p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Any byproduct material with Atomic Numbers between 3-83, inclusive</p> <p>B. Hydrogen 3</p> <p>C. Carbon 14</p> <p>D. Americium 241</p> <p>E. Plutonium 239</p> <p>F. Polonium 210</p> <p>G. Polonium 208</p> <p>H. Americium 241</p> <p>I. Americium 241</p> <p>J. Cesium 137</p> <p>K. Cesium 137</p> <p>L. Cesium 137</p> | <p>7. Chemical and/or physical form</p> <p>A. Any</p> <p>B. Any</p> <p>C. Any</p> <p>D. Any</p> <p>E. Sealed sources, encapsulated as Pu-Be neutron sources</p> <p>F. Any</p> <p>G. Any</p> <p>H. Sealed sources</p> <p>I. Sealed neutron sources</p> <p>J. Sealed source</p> <p>K. Sealed source</p> <p>L. Sealed source</p> | <p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. No single radioisotope to exceed 250 millicuries each, except as noted below. Total not to exceed 20 curies</p> <p>B. 10 curies</p> <p>C. 5 curies</p> <p>D. 5 millicuries</p> <p>E. 96 grams</p> <p>F. 5 millicuries</p> <p>G. 5 millicuries</p> <p>H. 20 millicuries</p> <p>I. 160 millicuries</p> <p>J. 125 millicuries</p> <p>K. 100 millicuries</p> <p>L. 10 millicuries</p> |
|---|---|---|

9. Authorized used

- A. through H. Research and development as defined in Section 30.4(q) of 10 CFR 30.
- I and L. For use in Troxler or Campbell Pacific Nuclear moisture/density gauges.
- J. For use in Neltronic Instrument Corporation Model DM source holder for rock density determination in well logging operations.
- K. For use in J. L. Shepard and Associates Series 10 calibrator.

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Condition 21. is amended to read:

21. 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 August 19, 1980, amended as Revision I enclosed with letter dated February 9, 1983, Items 1., 2., and 3. of letter dated April 5, 1984, and letter dated April 16, 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

Original Signed By:

John E. Glenn

By

Nuclear Materials and Safeguards Branch
Region I
King of Prussia, Pennsylvania 19406

Date MAY 24 1985