

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number

48-18213-01

Docket or Reference number

030-14982

Amendment No. 02

City of Appleton-Wastewater Division
Department of Public Works
59 Weimar Court
Appleton, WI 54915

In accordance with letter dated March 27, 1985, License Number 48-18213-01 is amended as follows:

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

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

B. Cesium-137

B. Sealed source
(Texas Nuclear
Model 57157C)

B. One source not
to exceed 200
millicuries

9. Authorized Use

B. For use in a Texas Nuclear Model 5034 Belt Weigh Scale Gauge for density measurements.

Conditions 10., 12. and 20. are amended to read:

10. Licensed material listed in Subitem 6.A. shall be used only at the licensee's facility located at 59 Weimar Court, Appleton, Wisconsin.

Licensed material listed in Subitem 6.B. shall be used only at the City of Appleton's Wastewater Treatment Plant located along the Fox River, 1½ blocks east of Telulah Park and 2 blocks north of Newberry Avenue, Appleton, Wisconsin.

12. Licensed material listed in Item 6 above is authorized for use by, or under the supervision of, the following individual(s) for the materials indicated:

Peter C. Wachs

Nickel-63
Cesium-137

J. E. Wells

Nickel-63

Steve Hetzel

Cesium-137

20. 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 April 29, 1983 with attachments and May 27, 1983; and application dated July 18, 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.

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Conditions 21. and 22. are added:

21. A. (1) Licensed material listed in Subitem 6.B. shall be tested for leakage and/or contamination at intervals not to exceed three years. 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) 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) 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.
- 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 III, 799 Roosevelt Road, Glen Ellyn, Illinois 60137, 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 July 18, 1985 for analysis by Texas Nuclear Corporation. 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.

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22. Installation, relocation, removal from service, maintenance, repair, and initial radiation survey of devices containing licensed material and installation, replacement, and disposal of sealed sources containing licensed material used in devices shall be performed only by the device manufacturer or by other persons specifically authorized by the Commission or an Agreement State to perform such services.



For the U.S. Nuclear Regulatory Commission

Original Signed

By B.J. Holt

Materials Licensing Section, Region III

Date August 1, 1985

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