

Potlatch

Potlatch Corporation
Research Center

Cloquet, Minnesota 55720
Telephone (218) 879-2300

October 18, 1985

Nuclear Regulatory Commission
Region III
799 Roosevelt Road
Glen Ellyn, IL 60137

Re: License Number 22-13502-01
Docket or Reference No. 030-05049

Dear Sirs:

We would like to amend the conditions of the above license as follows:

Item 10. Licensed material shall be used at the licensee's address stated in item 2 and at facilities of the Potlatch Corporation at Paper Mill Drive, Cloquet, Minnesota 55720, and at Mill Avenue, Brainerd, Minnesota, 56401. The instrument shall be transported between locations by surface carrier, in its metal carrying case bearing the appropriate cautionary labels.

Item 12. Licensed material shall be used by, or under the supervision of, Kenneth L. Johnson, Elaine M. Granholm, Bruce A. Walker, Nancy A. Tario, Lee N. Rockvam, or E. D. Kosloski.

All other particulars of this license are to remain the same. Payment of \$60.00 is enclosed as per part 170.31, Section 3P of the NRC Rules and Regulations, for amendment of license. Any questions regarding this application may be directed to me at (218) 879-2390.

Yours truly,

K. L. Johnson
K. L. Johnson
Analytical Chemist
Research & Development

Rev I III

Applicant
Check No.	075688
Amount	\$60 (3P)
Type of Fee	Amnd
Date Check Paid	11/4/85
Received By	Jacques

Check No. 75688 sent separately 10/17/85

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MATERIALS LICENSE

Amendment No. 07

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		In accordance with letter dated November 30, 1984	
1. Potlatch Corporation		3. License number 22-13502-01 is amended in its entirety to read as follows:	
2. Research Center, Paper Group Cloquet, MN 55720		4. Expiration date April 30, 1990	
		5. Docket or Reference No. 030-05049	
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. Iron-55	A. Sealed Source (Texas Nuclear Drawing No. 696-696782)	A. 1 source not to exceed 20 millicuries	
B. Americium-241	B. Sealed Source (Amersham Corporation Model No. AMM.4)	B. One source not to exceed 0.5 microcuries	
9. Authorized Use			
A. To be used in a Nuclear-Chicago Model 9257 portable analyzer for analytical determina- tion of TiO_2 .			
B. To be used in a Texas Nuclear Model 9200 Series Portable X-ray Fluorescence Analyzer for materials analysis.			

CONDITIONS

10. Licensed material shall be used only at the Research Center, Cloquet, MN 55720.
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 of, Kenneth L. Johnson or Elaine Granholm.

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MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number

22-13502-01

Docket or Reference number

030-05049

Amendment No. 07

13. 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) 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. Tests for leakage and/or contamination shall be performed by or by other persons specifically authorized by the Commission or an Agreement State to perform such services.
14. Sealed sources containing licensed material shall not be opened or removed from their respective source holders by the licensee.

MATERIALS LICENSE
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15. 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 October 29, 1979, and letter dated November 28, 1984. 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 April 11, 1985

Original Signed
By William J. Adam, Ph.D.
Materials Licensing Section, Region III

CONTROL NO. 80043

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