

MATERIALS LICENSE

Amendment No. 15
CORRECTED COPY

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, 36, 39, 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 June 3, 1996	
1. Potlatch Corporation Research Center		3. License Number 22-13502-01 is amended in its entirety to read as follows:	
2. Paper Group Cloquet, MN 55720		4. Expiration Date July 31, 2000	
		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 sources (Amersham Model IEC.A1 or new England Nuclear NER-460A or Isotope Products XFB)	A. No single source to exceed 80 millicuries	
B. Krypton-85	B. Sealed sources (Amersham Corp Model KAC.D4)	B. No single source to exceed 400 millicuries	
C. Iron-55	C. Sealed sources (Amersham Corp. Model IEC.D2)	C. No single source to exceed 100 millicuries	
D. Promethium-147	D. Sealed source (Amersham Corp. Model PHC.32)	D. No single source to exceed 4 millicuries	
9. Authorized Use:			
A. To be used in a Princeton-Gamma Tech Model X-MET 820 X-ray Fluorescence Analyzer for materials analysis.			
B. To be used in Robin/Lippke Model 4012/8012 System (Ahlstrom Automation) Model MV-KR source holder for moisture/ash measurement.			

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**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

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9. Authorized Use (Continued)

- C. To be used in Robin/Lippke Model 4012/8012 System (Ahlstrom Automation) Model MV-FE source holder for moisture/ash measurement.
- D. To be used in M/K Systems Inc. Model GFT-1 source holder for weight measurement.

CONDITIONS

- 10. Licensed material shall be used only at the licensee's facilities located at the Research Center, Cloquet, Minnesota; Potlatch Corporation at Paper Mill Drive, Cloquet, Minnesota and at Mills Avenue, Brainerd, Minnesota.
- 11. A. Licensed material shall be used by, or under the supervision of, Elaine M. Granholm, Nancy A. Tario, Kenneth L. Pofert, E. R. Hendrickson, S. M. Vesel, Steven H. Greenfield, Steven Olson or Gregory W. Mielke (for material in Subitem 6.A. only).
- B. The Radiation Safety Officer for this license is Steven Olson.
- 12. A. (1) The source(s) specified in Item(s) 7.A., 7.C., and 7.D. shall be tested for leakage and/or contamination at intervals not to exceed 6 months. Any source received from another person which is not accompanied by a certificate indicating that a test was performed within 6 months before the transfer 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.
- B. Any source in storage and not being used need not be tested. When the source is removed from storage for use or transfer to another person, it shall be tested before use or transfer.
- C. The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie or more of removable contamination, the source shall be removed from service and decontaminated, repaired, or disposed of in accordance with Commission regulations. A report shall be filed within 5 days of the date the leak test result is known with the U.S. Nuclear Regulatory Commission, Region III, 801 Warrenville Road, Lisle, Illinois 60532-4351, ATTN: Chief,

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12.C (Continued)

Nuclear Materials Safety Branch. The report shall specify the source involved, the test results, and corrective action taken. Records of leak test results shall be kept in units of microcuries and shall be maintained for inspection by the Commission. Records may be disposed of following Commission inspection.

- D. The licensee is authorized to collect leak test samples for analysis by Robert M. Boyd under Agreement State License No. GA 147-1 or tests for leakage and/or contamination shall be performed by persons specifically licensed by the Commission or an Agreement State to perform such services.

13. Sealed sources containing licensed material shall not be opened or removed from the gauges by the licensee.
14. The licensee may transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
15. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit specified in 10 CFR 30.35(d) for establishing decommissioning financial assurance.
16. Installation, initial radiation survey, relocation, or removal from service of devices containing sealed sources shall be performed by the licensee or by persons specifically licensed by the Commission or an Agreement State to perform such services. Maintenance and repair of devices and installation, replacement, and disposal of sealed sources shall be performed by the licensee in accordance with the manufacturer's procedures described in letter dated June 3, 1996 or by persons specifically licensed by the Commission or an Agreement State to perform such services.
17. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents including any enclosures, listed below. The Nuclear Regulatory Commission's regulations shall govern unless the statements, representations and procedures in the licensee's application and correspondence are more restrictive than the regulations.
- A. Letters dated June 3, 1996, September 27, 1996 and November 6, 1996.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date

February 5, 1997

By

J. L. WALKER
Nuclear Materials Licensing Branch, Region III

FEB 06 1997

Barbara Reher, Director
Research and Development
Potlatch Corporation
Research Center
Paper Group
Cloquet, MN 55720

Dear Ms. Reher:

It has come to our attention that Amendment Number 15 to License No. 21-13502-01 issued on November 21, 1996 contained an error.

Enclosed is a corrected copy reflecting Condition No. 11 noted to be in error. We apologize for any inconvenience this may have caused you.

Sincerely,

Original Signed By
Gidget Watson
Nuclear Materials Licensing Branch

License No. 21-13502-01
Docket No. 030-05049

Enclosure: Corrected Copy of
Amendment No. 15

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OFFICE	DNMS/RIII								
NAME	GWatson:brt								
DATE	02/05/1976W								

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