

MORRISON  
GEOTECHNICAL ENGINEERING  
P. O. Box 399  
WATERVILLE, MAINE 04901

DATE June 22, 1987

SUBJECT NRC Materials License

TO (207) 873-4283

Renewal

Mr. John E. Glenn, Ph. D., Chief  
Nuclear Materials Safety Section B  
Division of Radiation Safety & Safeguards  
U.S. Nuclear Regulatory Commission  
631 Park Avenue, Region I  
King of Prussia, Pennsylvania 19406

Dear Mr. Glenn:

> Enclosed are materials that should have been mailed with our letter dated June 18, 1987. All copies are submitted to you in duplicate. We apologize for any inconvenience.

107462

25 JUN 1987

☐ PLEASE REPLY ☐ NO REPLY NECESSARY

SIGNED

*Edward B. Morrison*  
Edward B. Morrison, P.E.

8801290284 870825  
REG1 LIC30  
18-20568-01 PDR

"OFFICIAL RECORD COPY"

ML10

25 JUN 1987



MORRISON GEOTECHNICAL ENGINEERING

ENGINEERING - GEOLOGY - TESTING

June 18, 1987

COPY

Mr. John E. Glenn, Ph. D., Chief  
Nuclear Materials Safety Section B  
Division of Radiation Safety & Safeguards  
U.S. Nuclear Regulatory Commission  
631 Park Avenue, Region I  
King of Prussia, Pennsylvania 19406

Reference: Renewal of License No. 18-20568-01

Dear Mr. Glenn:

We are now submitting for renewal of our NRC materials license. After reviewing our current license and documents as of the last Amendment (#10 dated February 27, 1987), we request but one change to our current license and program. We wish to amend condition 10 to read as follows:

Condition 10: Licensed material may be used at RFD #3, China Road, Winslow, Maine; Loring Air Force Base, Limestone, Maine; 630 County Road, Westbrook, Maine; and at temporary sites of the licensee anywhere in the United States where the U.S. Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material.

This change adds 630 County Road, Westbrook, Maine, as another permanent location facility for the use and storage of our licensed materials. The appropriate drawings of the storage facility and location plan are attached for your review.

Enclosed is the \$150.00 for the renewal fee in accordance with 170.12 of CFR Part 170. If you have any questions or comments pertaining to this renewal application, please contact Paul W. Stanley here at Morrison Geotechnical Engineering, telephone number 207-873-4283.

Sincerely yours,

107462

Edward B. Morrison, P.E.  
President

Morrison Geotechnical Engineering

~~8804290281~~ PL

PWS:slp

CHINA ROAD, WINSLOW • P.O. BOX 399, WATERVILLE, MAINE 04901-0399 • TELEPHONE (207) 873-4283

Package Due

LIMESTONE • WESTBROOK

25 JUN 1987

## MATERIALS LICENSE

Amendment No. 10

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. Morrison Geotechnical Engineering
2. RFD #3, China Road  
Winslow, Maine 04902

In accordance with letter dated  
February 27, 1987,

3. License number 18-20568-01 is amended in  
its entirety to read as follows:

4. Expiration date July 31, 1987

5. Docket or  
Reference No. 030-19424

6. Byproduct, source, and/or  
special nuclear material

- A. Cesium 137
- B. Americium 241
- C. Cesium 137
- D. Americium 241

7. Chemical and/or physical  
form

- A. Sealed source (Troxler  
Model A-102112)
- B. Sealed neutron source  
(Troxler Model A-102451)
- C. Sealed source (CPN  
Model 131)
- D. Sealed neutron source  
(CPN Model 131)

8. Maximum amount that licensee  
may possess at any one time  
under this license

- A. Not to exceed 10 milli-  
curies per source
- B. Not to exceed 50 milli-  
curies per source
- C. Not to exceed 10 milli-  
curies per source
- D. Not to exceed 50 milli-  
curies per source

9. Authorized use

- A. and B. For use in Troxler Model 3411B portable gauges for moisture/density  
measurements.
- C. and D. For use in CPN Model MC and AC series portable gauges for moisture/density  
measurements.

## CONDITIONS

10. Licensed material may be used at RFD #3, China Road, Winslow, Maine; Loring Air  
Force Base, Limestone, Maine; and at temporary job sites of the licensee anywhere in  
the United States where the U.S. Nuclear Regulatory Commission maintains jurisdic-  
tion for regulating the use of licensed material.
11. Licensed material shall be used by, or under the supervision and in the physical  
presence of, Paul W. Stanley, or individuals who have satisfactorily completed  
the training program of the licensee as described in letter dated August 23, 1983.  
Copies of the certificate of training for each user shall be maintained by the  
licensee.

8709040313 3pp.

MATERIALS LICENSE  
SUPPLEMENTARY SHEET

License number

18-20568-01

Docket or Reference number

030-19424

Amendment No. 10

## CONDITIONS

12. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from detector cells by the licensee.
13. A(1) Any sealed sources or detector cells specified in Items 7.A. through 7.D. shall be tested for leakage and/or contamination at intervals not to exceed 6 months. Any source or detector cell 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 or detector cell is exempt from such leak tests when the source or detector cell contains 100 microcuries or less of beta and/or gamma emitting material or 10 microcuries or less of alpha emitting material.
- B. Any sealed source or detector cell in storage and not being used need not be tested. When the source or detector cell 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 or detector cell 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 I, ATTN: Chief, Nuclear Materials Safety and Safeguards Branch, 631 Park Avenue, King of Prussia, Pennsylvania 19406. 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. Tests for leakage and/or contamination shall be performed by the licensee or by other persons specifically licensed by the Commission or an Agreement State to perform such services.
14. The licensee may transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material".
15. The licensee shall conduct a physical inventory every 6 months to account for all sources and/or devices received and possessed under the license. Records of inventories shall be maintained for 2 years from the date of each inventory.



**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License number

18-20568-01

Docket or Reference number

030-19424

Amendment No. 10

**CONDITIONS**

16. 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. Application dated June 22, 1982
- B. Letter dated July 7, 1983
- C. Letter dated August 23, 1983
- D. Letter dated February 29, 1984
- E. Letter dated August 8, 1984
- F. Letter dated May 23, 1985
- G. Letter dated September 11, 1985
- H. Letter dated September 30, 1985
- I. Letter dated May 13, 1986
- J. Letter dated July 25, 1986
- K. Letter dated August 15, 1986
- L. Letter dated February 27, 1987



For the U.S. Nuclear Regulatory Commission

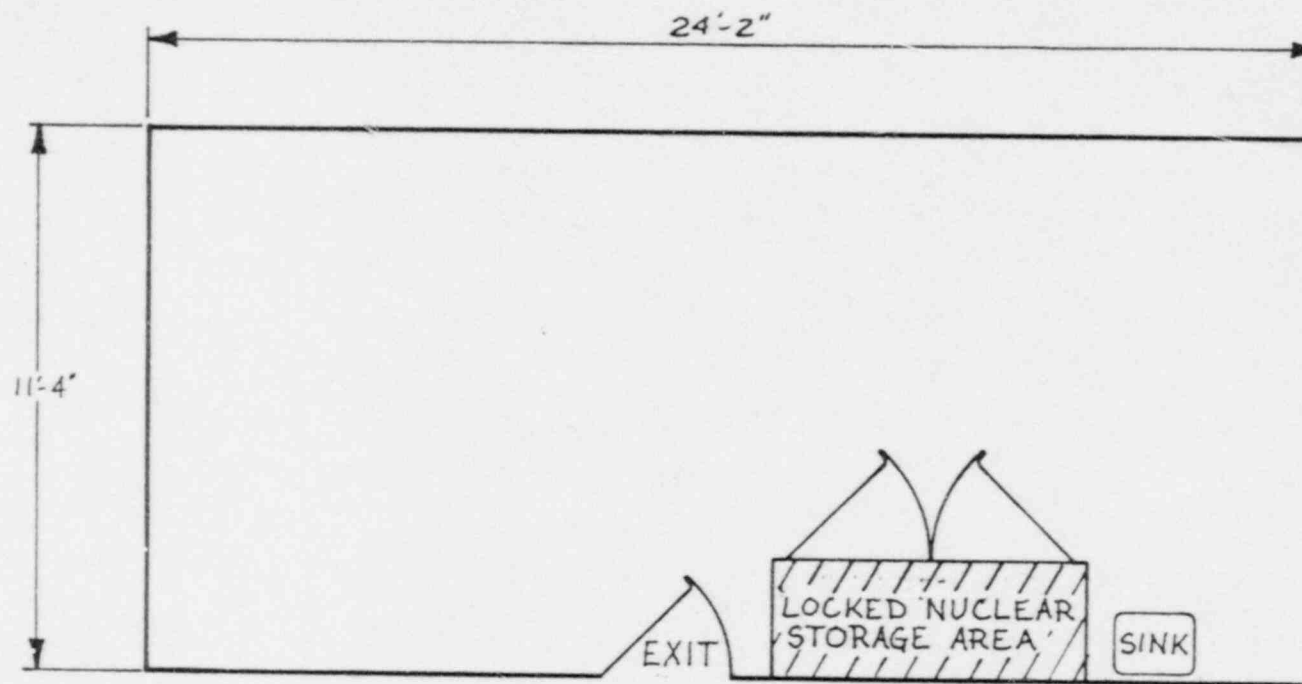
13 APR 1987

Date

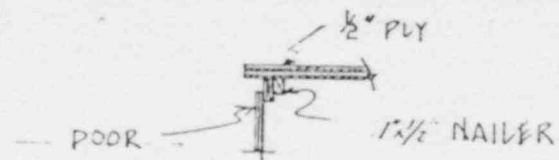
By

*John E. Glenn*

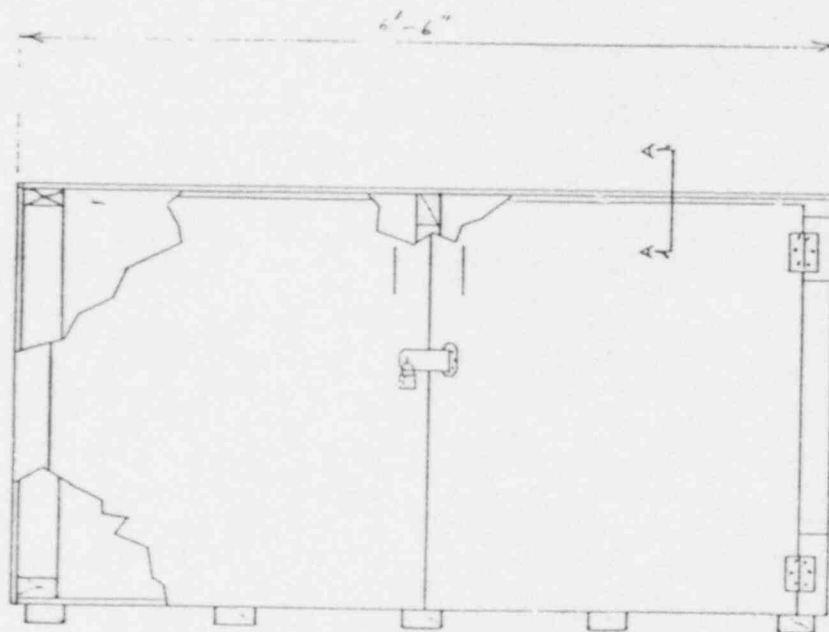
Nuclear Materials Safety and  
Safeguards Branch, Region I  
King of Prussia, Pennsylvania 19406



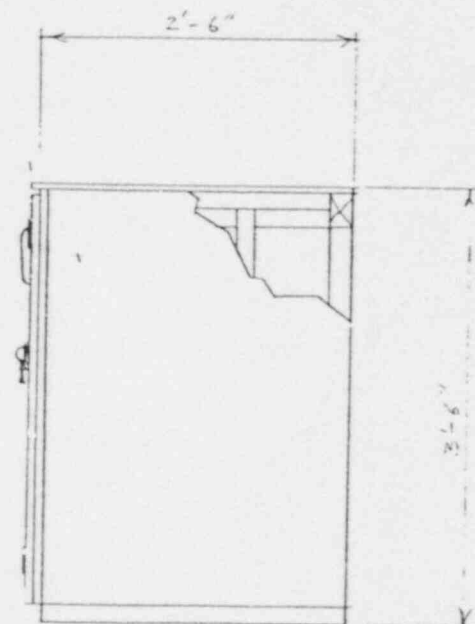
MORRISON GEOTECHNICAL ENGINEERING  
WESTBROOK OFFICE  
FLOOR PLAN  
NUCLEAR STORAGE AREA  
SCALE:  $\frac{1}{4}" = 1'-0"$



SECTION A-A  
SCALE: 3" = 1'

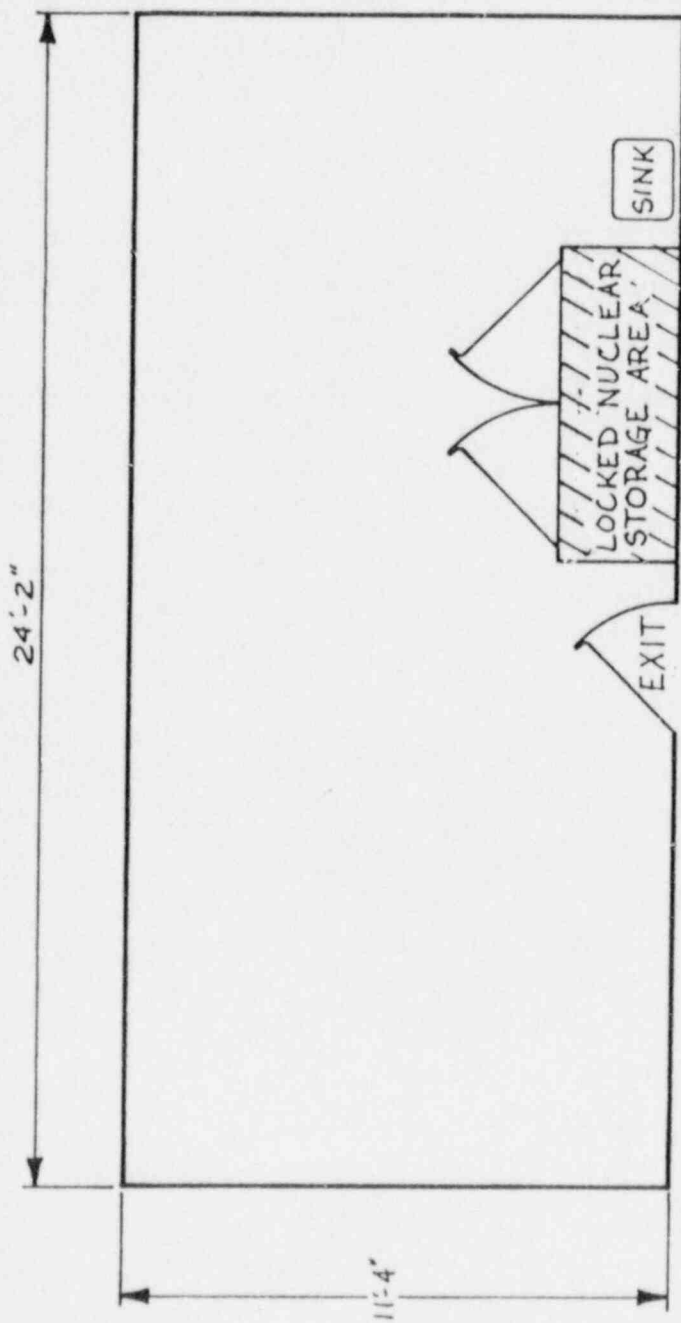


FRONT VIEW



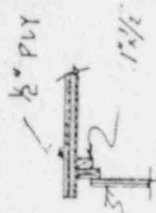
SIDE VIEW

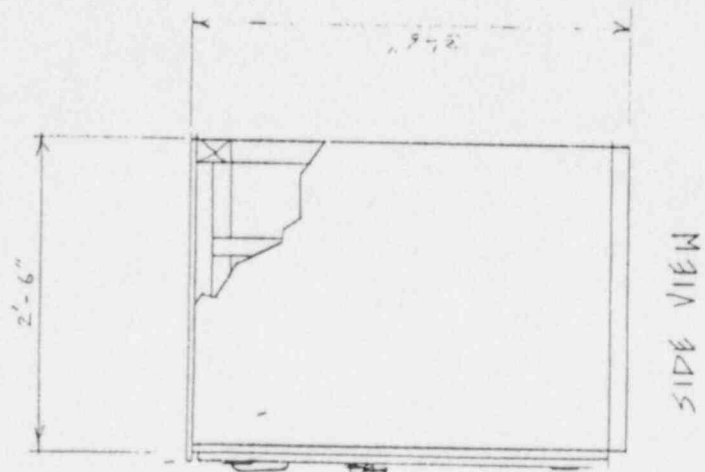
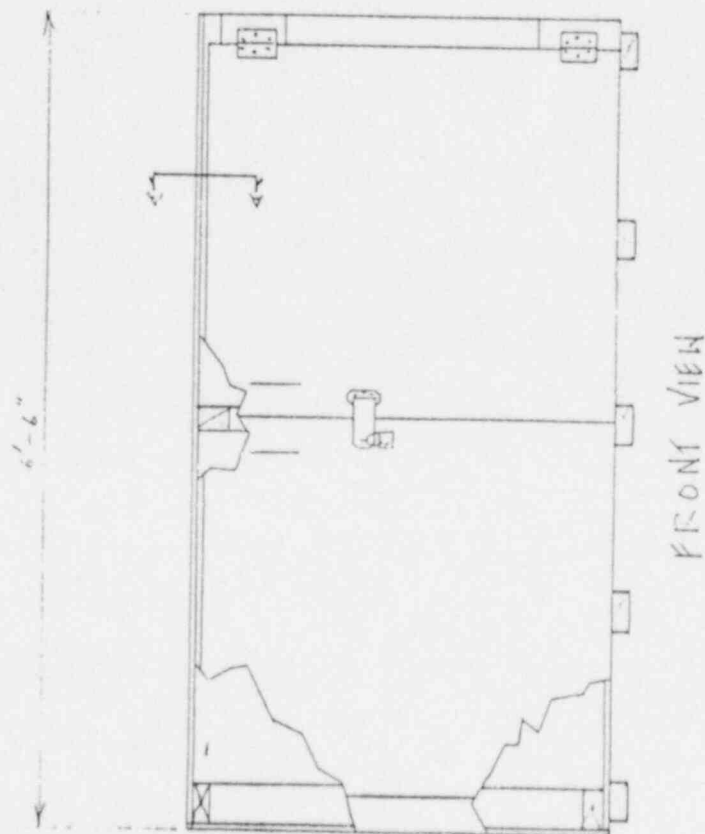
LOCKING STORAGE CABINET



MORRISON GEOTECHNICAL ENGINEERING  
WESTBROOK OFFICE  
FLOOR PLAN  
NUCLEAR STORAGE AREA  
SCALE: 1/4" = 1'-0"




  
 1/2" PLY DOOR  
 1 1/2" NAILER  
 SECTION A-A  
 SCALE: 3" = 1'



# LOCKING STORAGE CABINET

BETWEEN: C. James Holloway, Chief  
License Fee Management Branch  
Office of Resource Management

John E. Glenn, Chief  
Nuclear Materials Safety & Safeguards Section B  
Division of Radiation Safety and Safeguards

0301 9424  
03121  
7/87

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED

Applicant/Licensee:

Application Dated:

Control No.:

License No.:

Morrison Geotechnical Engr.

6-18-87

107462

18-20568-01

2. FEE ATTACHED

Amount:

Check No.:

Ø \$50.00

Ø 2913

3. COMMENTS

Signed

Date

SLJ

6-30-87

B. LICENSE FEE MANAGEMENT BRANCH

1. Fee Category and Amount:

2. Correct Fee Paid. Application may be processed for:

Amendment

Renewal

License

Signed

Date

S. Kimberley  
7/8/87

\$ 120