

## MATERIALS LICENSE

Amendment No. 02

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, 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

1. Dunn Corporation
2. 12 Metro Park Road  
Albany, New York 12205

In accordance with letter dated  
August 19, 1992,

3. License number 31-21281-02 is amended in  
its entirety to read as follows:

4. Expiration date November 30, 1993

5. Docket or  
Reference No 030-30681

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. Cesium 137

- A. Sealed sources

- A. Not to exceed 10  
millicuries per source  
and 100 millicuries total

- B. Americium 241

- B. Sealed neutron sources

- B. Not to exceed 50  
millicuries per source  
and 500 millicuries total

9. Authorized use

- A. and B. For possession and use in Troxler Electronic Laboratories, Inc., Campbell Pacific Nuclear Corporation, or Humbolt Scientific, Inc., devices which have been evaluated and approved for licensing purposes under a license issued by the Nuclear Regulatory Commission or an Agreement State.

## CONDITIONS

10. Licensed material shall be used only at temporary job 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.
11. A. Licensed material shall be used by, or under the supervision and in the physical presence of, individuals who have satisfactorily completed the manufacturer's training, and have been instructed in the licensee's operating and emergency procedures. Copies of the certificate of training for each user shall be maintained by the licensee.  
B. The Radiation Safety Officer for this license is Patrick J. Hogan.
12. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders or detector cells by the licensee.

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License number

31-21281-02

Docket or Reference number

030-30681

Amendment No. 02

(Continued)

**CONDITIONS**

13. A. Sealed sources and detector cells shall be tested for leakage and/or contamination at intervals not to exceed 6 months or at such other intervals as are specified by the certificate of registration referred to in 10 CFR 32.210, not to exceed 3 years.
- B. Notwithstanding Paragraph A of this Condition, sealed sources designed to emit alpha particles shall be tested for leakage and/or contamination at intervals not to exceed 3 months.
- C. 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 or detector cell received from another person shall not be put into use until tested.
- D. Each sealed source fabricated by the licensee shall be inspected and tested for construction defects, leakage, and contamination prior to any use or transfer as a sealed source.
- E. Sealed sources and detector cells need not be leak tested if:
  - (i) they contain only hydrogen 3; or
  - (ii) they contain only a gas; or
  - (iii) the half-life of the isotope is 30 days or less; or
  - (iv) they contain not more than 100 microcuries of beta and/or gamma emitting material or not more than 10 microcuries of alpha emitting material; or
  - (v) they are not designed to emit alpha particles, are in storage, and are not being used. However, when they are removed from storage for use or transfer to another person, and have not been tested within the required leak test interval, they shall be tested before use or transfer. No sealed source or detector cell shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.
- F. The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. Records of leak test results shall be kept in units of microcuries and shall be maintained for inspection by the Commission. If the test reveals the presence of 0.005 microcurie or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission and the source shall be removed from service and decontaminated, repaired, or disposed of in accordance with Commission regulations. The 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 Branch, 475 Allendale Road, King of Prussia, Pennsylvania 19406. The report shall specify the source involved, the test results, and corrective action taken.

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License number

31-21281-01

Docket or Reference number

030-30681

Amendment No. 02

(13. Continued)

**CONDITIONS**

- G. The licensee is authorized to collect leak test samples for analysis by the licensee. Alternatively, tests for leakage and/or contamination may be performed by 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 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 5 years from the date of each inventory.
16. Each portable nuclear gauge shall have a lock or outer locked container designed to prevent unauthorized or accidental removal of the sealed source from its shielded position. The gauge or its container shall be locked when in transport or when not under the direct surveillance of an authorized user.
17. The licensee shall not acquire licensed material in a sealed source or in a device that contains a sealed source unless the source or device has been registered with the Nuclear Regulatory Commission under 10 CFR 32.210 or with an Agreement State.
18. 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 February 4, 1983
  - B. Letter dated May 4, 1983
  - C. Letter dated September 24, 1986
  - D. Application dated June 23, 1988
  - E. Letter dated February 17, 1989
  - F. Letter dated August 19, 1992

Date

OCT 19 1992

For the U.S. Nuclear Regulatory Commission

Original Signed By:

JoAnn V. Stambaugh

By

Nuclear Materials Safety Branch  
Region I

King of Prussia, Pennsylvania 19406

OCT 19 1992

License No. 31-21281-02  
Docket No. 030-30681  
Control No. 117063

Dunn Corporation  
ATTN: Patrick J. Hogan  
Radiation Safety Officer  
12 Metro Park Road  
Albany, New York 12205

Dear Mr. Hogan:

Please find enclosed an amendment to your NRC Material License.

Please review the enclosed document carefully and be sure that you understand all conditions. If there are any errors or questions, please notify the Region I Material Licensing Section, (215) 337-5093, so that we can provide appropriate corrections and answers.

Please be advised that you must conduct your program involving licensed radioactive materials in accordance with the conditions of your NRC license, representations made in your license application, and NRC regulations. In particular, please note the items in the enclosed, "Requirements for Materials Licensees."

Since serious consequences to employees and the public can result from failure to comply with NRC requirements, the NRC expects licensees to pay meticulous attention to detail and to achieve the high standard of compliance which the NRC expects of its licensees.

You will be periodically inspected by NRC. A fee may be charged for inspections in accordance with 10 CFR Part 170. Failure to conduct your program safely and in accordance with NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC will result in prompt and vigorous enforcement action against you. This could include issuance of a notice of violation, or in case of serious violations, an imposition of a civil penalty or an order suspending, modifying or revoking your license as specified in the General Policy and Procedures for NRC Enforcement Actions, 10 CFR Part 2, Appendix C.

Dunn Corporation

-2-

We wish you success in operating a safe and effective licensed program.

Sincerely,

Original Signed By:  
JoAnn V. Stambaugh

JoAnn V. Stambaugh  
Nuclear Materials Safety Branch  
Division of Radiation Safety  
and Safeguards

Enclosures:

1. Amendment No. 02
2. Requirements for Materials Licensees
3. NRC Forms 3 and 313

DRSS:RI  
Stambaugh/cmm

10/19/92

# DUNN CORPORATION

Engineers, Geologists, Environmental Scientists

12 Metro Park Road

Albany, New York 12207

Tel. 518/438-1313

Fax 518/438-2472

August 19, 1992



030-30681

Nuclear Regulatory Commission  
Licensing Section  
475 Allendale Road  
King of Prussia, Pennsylvania 19406

Reference: License # 31-21281-02  
Docket # 030-30681

Dear Sir/Madam:

I am writing to you in an attempt to amend our license. We recently revised the name of our company from Dunn Geoscience Corporation to Dunn Corporation. However, there has been no structural, management, or facilities changes. The only change was the actual name. I will continue to be the Radiation Safety officer, and all applicable rules, regulations, and guidelines are being adhered to. The name change was made to alleviate the misconception as to what services we provide.

Enclosed is a check for \$380.00 to cover the administrative costs associated with this amendment. Therefore, we are requesting an amendment to our license which states that the licensee is Dunn Corporation rather than Dunn Geoscience Corporation.

Please contact me if you have any questions. Thank you very much.

Sincerely,

DUNN CORPORATION

*Patrick J. Hogan*  
Patrick J. Hogan  
Radiation Safety Officer

PJH/llb  
First Class Mail

enclosure-check

Log	Sept 7 1992
Remitter	
Check No.	057376
Amount	\$380
Fee Category	37
Type of Fee	AMC
Date Check Rec'd	
Date Completed	9/1/92
By	<i>[Signature]</i>

U.S. MAIL  
FIRST CLASS  
SEP-6 1992  
AUG 50

117063

AUG 25 1992

OFFICIAL RECORD COPY ML 10

Postmarked 8/19/92



BETWEEN:

LICENSE FEE MANAGEMENT BRANCH, ARM  
AND  
REGIONAL LICENSING SECTIONS

(FOR LFMS USE)  
INFORMATION FROM LTS

PROGRAM CODE: 03121  
STATUS CODE: 0  
FEE CATEGORY: 3P  
EXP. DATE: 19931130  
FEE COMMENTS:  
DECDM FIN ASSUR REQD: N

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED

APPLICANT/LICENSEE: DUNN CORPORATION  
RECEIVED DATE: 920825  
DOCKET NO: 3030681  
CONTROL NO.: 117363  
LICENSE NO.: 31-21281-03  
ACTION TYPE: AMENDMENT

2. FEE ATTACHED

AMOUNT: \$380.00  
CHECK NO.: 059326

3. COMMENTS

SIGNED \_\_\_\_\_  
DATE \_\_\_\_\_

B. LICENSE FEE MANAGEMENT BRANCH (CHECK WHEN MILESTONE 03 IS ENTERED ☒ 13)

1. FEE CATEGORY AND AMOUNT: 3P \$380

2. CORRECT FEE PAID. ☒ APPLICATION MAY BE PROCESSED FOR:  
AMENDMENT \_\_\_\_\_  
RENEWAL \_\_\_\_\_  
LICENSE \_\_\_\_\_

3. OTHER \_\_\_\_\_

SIGNED St. Brown  
DATE 9/18/92