NRC FORM 313
(7-87)
10 CFR 30, 32, 33, 34, 35 and 40

U.S. NUCLEAR REGULATORY COMMISSION
APPROVED BY OMB
3150-0120
Expires: 6-30-90

APPLICATION FOR MATERIAL LICENSE

INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.

APPLICATIONS FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:

U.S. NUCLEAR REGULATORY COMMISSION
DIVISION OF FUEL CYCLE AND MATERIAL SAFETY, NMSS
WASHINGTON, DC 20555

ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS, IF YOU ARE LOCATED IN:

CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, MAINE, MARYLAND, MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, PENNSYLVANIA, RHODE ISLAND, OR VERMONT, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION I
NUCLEAR MATERIALS SAFETY SECTION B
631 PARK AVENUE
KING OF PRUSSIA, PA 19406

ALABAMA, FLORIDA, GEORGIA, KENTUCKY, MISSISSIPPI, NORTH CAROLINA, PUERTO RICO, SOUTH CAROLINA, TENNESSEE, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION II
NUCEAR MATERIALS SAFETY SECTION
101 MARIETTA STREET, SUITE 2900
ATLANTA, GA 30323

IF YOU ARE LOCATED IN:

ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION III
MATERIALS LICENSING SECTION
799 ROOSEVELT ROAD
GLEN ELLYN, IL 60137

ARKANSAS, COLORADO, IDAHO, KANSAS, LOUISIANA, MONTANA, NEBRASKA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, SOUTH DAKOTA, TEXAS, UTAH, OR WYOMING, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION IV
MATERIAL RADIATION PROTECTION SECTION
611 RYAN PLAZA DRIVE, SUITE 1000
ARLINGTON, TX 76011

ALASKA, ARIZONA, CALIFORNIA, HAWAII, NEVADA, OREGON, WASHINGTON, AND U.S. TERRITORIES AND POSSESSIONS IN THE PACIFIC, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION V
NUCLEAR MATERIALS SAFETY SECTION
1450 MARIA LANE, SUITE 210
WALNUT CREEK, CA 94596

PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JURISDICTION.

1. THIS IS AN APPLICATION FOR *(Check appropriate item)*

- [ ] A. NEW LICENSE
- [ ] B. AMENDMENT TO LICENSE NUMBER _____
- [X] C. RENEWAL OF LICENSE NUMBER 45-15262-02

2. NAME AND MAILING ADDRESS OF APPLICANT *(Include Zip Code)*

Island Creek Coal Company
PO Drawer L
Oakwood, VA 24631

3. ADDRESS(ES) WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED.

Material will be stored at: Island Creek Coal Co., U. S. Route 460 at Oakwood, Buchanan County, Virginia.
Material will be used at temporary job sites of the applicant.

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION | TELEPHONE NUMBER

Gerald F. Ramsey, Env. Eng. | 703/498-8351

SUBMIT ITEMS 5 THROUGH 11 ON 8½ x 11" PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.

5. RADIOACTIVE MATERIAL. a. Element and mass number, b. chemical and/or physical form, and c. maximum amount which will be possessed at any one time.	6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.
7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING AND EXPERIENCE.	8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.
9. FACILITIES AND EQUIPMENT.	10. RADIATION SAFETY PROGRAM.
11. WASTE MANAGEMENT.	12. LICENSEE FEES *(See 10 CFR 170 and Section 170.31)* FEE CATEGORY 1. J. | AMOUNT ENCLOSED $ 120.00

13. CERTIFICATION. *(Must be completed by applicant)* THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT.

THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, AND 40 AND THAT ALL INFORMATION CONTAINED HEREIN, IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.

WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948, 62 STAT. 749 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

SIGNATURE–CERTIFYING OFFICER	TYPED/PRINTED NAME	TITLE	DATE
Gerald F. Ramsey	Gerald F. Ramsey	Env. Eng.	12/23/87

8902160417 880119
REG2 LIC30
45-15262-02 PNU

FOR NRC USE ONLY

TYPE OF FEE	FEE LOG	FEE CATEGORY	COMMENTS	APPROVED BY
Ren	Jan-1-II	3F		M. Fleeman
AMOUNT RECEIVED	CHECK NUMBER			DATE
$120	3721		25197	1/7/88

Item 5.

1. Cesium 137, Sealed Source, 9 MCi.
2. Americium 241: Beryllium, Sealed Source, 40 MCi. ± 10%
3. Carbon 14, Sealed Source, 100 Micro Ci.

Item 6.

Materials 1 and 2 above (Cesium 137 and Americium 241: Beryllium) will be used in a Troxler 3400 series compac surface moisture density gauge for determining moistures and densities of construction materials.

Material 3 above (Carbon 14) will be used in a GCA Corp. respirable Dust Monitor Model RDM-101 for determining respirable dust levels.

Item 7.

Gerald F. Ramsey is responsible for the radiation Safety Program. Training for use of nuclear testing equipment and in radiation protection was successfully completed July 6, 1978 at the Troxler Electronic Laboratories, Inc., Research Triangle Park, North Carolina 27709. A copy of the certificate of training is enclosed.

Mr. Ramsey now has nine years of experience in both operation and radiological safety.

Item 8.

Only the individual named in Item 7 will be using the device.

Item 9.

As required by section 20.207 of Title 10, Code of Federal Regulations, Part 20, gauges must be stored in such a manner as to ensure against unauthorized removal or unauthorized use. To accomplish this, the following procedures shall be observed at all times.

1. The gauge shall be locked at all times, when not in actual use.

2. When not in use at the temporary job sites, the gauge shall be locked and placed in the locked transportation vehicle.

3. When stored at the Division Office, the gauge shall be locked and placed in the locked storage cabinet in the Environmental Specialist's office.

4. When not in storage the gauge will be physically watched by the authorized user.

Item 10.

RADIATION PROTECTION PROGRAM

A "Radiation Protection Program" has been established and a Protection Officer assigned. The protection program and the duties of the protection officer are presented below.

The protection program is as follows:

a) When transported, the gauging device will be fully secured within the transportation vehicle and away from the passenger compartment. Transportation activities will be carried out in accordance with the requirements of 10 CFR 71 and Department of Transportation regulations.

b) When not in use a temporary job sites, the gauging device will be locked in the transportation vehicle.

c) All cases of accidents involving damage or loss of the gauging device will be reported to Gerald Ramsey, (703) 498-8351, who will, in turn, notify local police, State personnel, and the NRC and take all necessary steps to prevent danger to the public.

d) The gauging device will be returned to the Troxler Electronic Laboratories Inc., for maintenance involving dismantling and/or removal of the source holders.

The duties of the Protection Officer will be:

a) To assure that by-product materials possessed under the license conform to the materials listed on the license.

b) To assure that use of the devices, particularly in the field, is only by individuals authorized by the license.

c) To assure that all users wear personnel monitoring equipment, such as film badges or thermoluminescence dosimeters (TLD), when required.

d) To assure that gauges are properly secured against unauthorized removal at all times when they are not in use.

e) To serve as a point of contact and give assistance in case of emergency (gauge damage in the field, fire, theft, etc.) to assure that proper authorities, for example, NRC, local police, and State personnel, are notified promptly in case of accident of damage to gauges.

f) To assure that the terms and conditions of the license, such as periodic leak tests, are met and that the required records, such as personnel exposure records, leak test records, etc., are periodically reviewed for compliance with Nuclear Regulatory Commission regulations, requirements, and license conditions.

Leak tests will be performed by the user according to established test procedures using the Troxler Model RK-1 Leak Test Kit.

10.1 While using the gauge, personnel will wear a film badge provided by R. R. Landauer, Jr. Co., Glenwood Science Prk, Glenwood, Illinois 60425. The film badges will be changed monthly.

10.2 No radiation detection instruments will be used.

10.3 Leak tests will be performed every six months by the Radiation Protection Officers using the Troxler Model RK-1 Leak Test Kit. The analysis of the leak test will be performed by Troxler Electronic Laboratories.

10.4 Only maintenance which can be done with the radioactive source in the safe shielded position will be performed by the applicant. Any maintenance requiring removal of the source will be performed by the manufacturer.

10.5 Transportation of the device to field location will be in accordance with the applicable requirements of the Department of Transportation.

10.6 Written operating and emergency procedures will be provided to each person who uses the device. The procedures will include:

1. Use of personnel monitoring.
2. Use of the device.
3. Storage of the device.
4. Transportation.
5. Emergency procedures.

Item 11.

The gauge will be returned to the manufacturer for disposal.

TROXLER ELECTRONIC LABORATORIES, INC.

HEREBY CERTIFIES THAT

GERALD RAMSEY

of

ISLAND CREEK COAL CO.

HAS SUCCESSFULLY COMPLETED THE TROXLER ELECTRONIC LABORATORIES, INC. TRAINING COURSE FOR THE USE OF NUCLEAR TESTING EQUIPMENT.

SUBJECTS INCLUDED IN THIS COURSE WERE AS FOLLOWS:

Radiological Safety

1. *Principles and practices of radiation protection.*
2. *Leak testing procedures.*
3. *Mathematics and calculations basic to the use and measurement of radioactivity.*
4. *Biological effects of radiation.*
5. *Radioactivity measurement standardization and monitoring techniques and instruments.*
6. *Accident and incident procedures.*
7. *Procedures for nuclear gauge storage and transportation.*
8. *General safety precautions.*

Gauge Operation

1. *Instrument theory*
2. *Operating procedures*
3. *Maintenance*
4. *Field application*
5. *Gauge calibration*

INSTRUCTOR

7/5-6/78
DATE

William F. Troxler
PRESIDENT

BETWEEN:

LICENSE FEE MANAGEMENT BRANCH, ARM
AND
REGIONAL LICENSING SECTIONS

(FOR LFMS USE)
~~INFORMATION FROM LMS~~

PROGRAM CODE: 03121
~~STATUS CODE: 2~~
FEE CATEGORY: 3P
~~EXP. DATE: 19880131~~
FEE COMMENTS: _____

~~LICENSE FEE TRANSMITTAL~~

A. ~~REGION~~ II

1. ~~APPLICATION ATTACHED~~
   APPLICANT/LICENSEE: ISLAND CREEK COAL CO.
   ~~RECEIVED DATE:~~ ~~871228~~
   DOCKET NO: 3013600
   ~~CONTROL NO.:~~ ~~251973~~
   LICENSE NO.: 45-15262-02
   ~~ACTION TYPE:~~ RENEWAL

2. ~~FEE ATTACHED~~
   AMOUNT: 120 00
   ~~CHECK NO.:~~ 3121

3. COMMENTS

SIGNED Duane O. Neun
DATE 1-4-88

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

1. FEE CATEGORY AND AMOUNT: 3P ($120)

2. CORRECT FEE PAID. APPLICATION MAY BE PROCESSED FOR:
   AMENDMENT ✓
   RENEWAL
   LICENSE

3. OTHER _____

SIGNED M. Mapes
DATE 1/7/88