

OFFICIAL RECORD COPY MATERIALS LICENSE

Amendment No. 5

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.

DL-101896-03

Licensee

1. Monongahela Power Company
Pleasants Power Station

2. No. 1 Power Station Boulevard
Willow Island, West Virginia 26134

In accordance with letter dated August 12, 1996

3. License Number 47-17973-01

is amended in its entirety to read as follows:

4. Expiration Date July 31, 2003 (Extended)

5. Docket or Reference No. 030-13749

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. Any sealed source registered pursuant to 10 CFR 32.210 and contained in a compatible device specified in Item 9 of this license.

A. Not to exceed 500 millicuries per source.

9. Authorized Use

A. Sealed source(s) contained in Texas Nuclear non-portable painting devices which have been registered pursuant 10 CFR 32.210 and distributed in accordance with an NRC or Agreement State License for use by persons named in Condition 12 for the purpose of measuring properties of materials and/or controlling industrial processes.

CONDITIONS

10. Licensed material shall be used only at the licensee's facilities at Pleasants Power Station, State Route 2, Willow Island, West Virginia.

11. The Radiation Safety Officer for this license is D. L. Webb.

12. Licensed material shall be used by, or under the supervision of, D. L. Webb, Gary Loughner, C. F. Berwinkle, Jr. and James R. Presto.

13. A. Sealed source(s) shall be tested for leakage and/or contamination at intervals not to exceed 6 months or at such other intervals as specified by the certificate of registration referred to in 10 CFR 32.210.

B. In the absence of a certificate from a transferor indicating that a leak test has been made within six months prior to the transfer, a sealed source or detector shall not be received from another person shall not be put into use until tested.

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License Number 47-17973-01

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**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

(continued)

CONDITIONS

13. C. Sealed sources need not be leak tested if:
- (i) they contain only hydrogen-3; or
 - (ii) they contain only a radioactive 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 transferred 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.
- D. The leak 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 immediately 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 II ATTN: Chief, Nuclear Materials Licensing/Inspection Branch, 101 Marietta Street, NW, Suite 2900, Atlanta, Georgia 30323. 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.
- E. The licensee is authorized to collect leak test samples for analysis by Texas Nuclear. 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. Installation, initial radiation survey, relocation, or removal from service of devices containing sealed sources shall be performed by Texas Nuclear 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 only by persons specifically licensed by the Commission or an Agreement State to perform such services.
15. Sealed sources containing licensed material shall not be opened or removed from their respective source holders by the licensee.
16. The licensee shall conduct a physical inventory every 6 months to account for all sources and/or devices received and possessed under this license. Records of inventories shall be maintained for 2 years from the date of each inventory.
17. Each gauge shall be tested for the proper operation of the on/off mechanism and indicator, if any, at no longer than six-month intervals or at such longer intervals as specified by the manufacturer and approved by NRC.

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**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

(continued)

CONDITIONS

18. Prior to initial use and after installation, relocation, dismantling, alignment, or any other activity involving the source or removal of the shielding, the licensee shall assure that a radiological survey is performed to determine radiation levels in accessible areas around, above and below the gauge with the shutter open.

This survey shall be performed only by persons authorized to perform such services by the Commission or an Agreement State. A record of the results of this survey shall be maintained for the duration of the license.

19. The licensee shall operate each gauge within the manufacturer's specified temperature and/or environmental limits such that the shielding and shutter mechanism of the source holder are not compromised.

20. The licensee shall assure that the shutter mechanism is locked in the closed position during periods when a portion of an individual's body may be subject to the direct radiation beam. The licensee shall review and modify as appropriate its "lock out" procedures whenever a new gauge is obtained to incorporate the device manufacturer's recommendations.

21. The licensee shall maintain records of information important to safe and effective decommissioning at the location specified in Item 10 in accordance with the provisions of 10 CFR 30.35(g) until this license is terminated by the Commission.

22. 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.

23. 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. Letter with attachments dated April 25, 1993
- B. Emergency Procedures received by fax August 6, 1993
- C. Letter dated January 5, 1996 (change mailing address)
- D. Letter dated February 27, 1996 (delete users)
- E. NRC letter dated March 1, 1996 (extends expiration date in accordance with 10 CFR 30.36)
- F. Letter dated August 12, 1996 (change RSO and add user)

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

DAVID J. COLLINS

[Signature]
 Director, Office of Nuclear Material Safety
 101 Main Street, Room 1000
 Atlanta, GA 30333

Date

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[Signature] 10/20/96

License 47173



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION II
101 MARIETTA STREET, N.W., SUITE 2800
ATLANTA, GEORGIA 30323-0188

101 7 1 1996
INFORMATION FOR NRC MATERIAL LICENSEES

Please find enclosed: Your NRC material license
 Amendment to your NRC material license
 Amendment renewing your NRC material license
 Amendment terminating your NRC material license
 Notice for Radiographer Quality Assurance Approval Program

Please review the enclosed document carefully and be sure that you understand all conditions. If there are any errors or questions, please notify this office (ATTN: Ms. Diane Heim at (404) 331-4673) so that we can provide appropriate corrections and answers.

Please be advised that your license expires at the end of the day in the month and year stated in the license. Unless your license has been terminated, you must conduct your program involving byproduct materials in accordance with the conditions of your NRC license, representations made in your license application, and NRC regulations. In particular, note that you must:

1. Operate in accordance with NRC regulations 10 CFR 19, "Notice, Instructions and Reports to Workers; Inspections," 10 CFR Part 20, "Standards for Protection Against Radiation," and other applicable regulations.
2. Not possess and use materials authorized in Items 6, 7, and 8, on the license until:
 - a. you have constructed the facilities and obtained the equipment described in the license application and supporting documentation; and
 - b. you have notified the U. S. Nuclear Regulatory Commission, Region II, ATTN: Materials Licensing/Inspection Branch, in writing, that activities authorized by the license will be initiated
 - c. you have submitted & certified implementation of a Quality Management Program (10 CFR 35.32) for radiotherapy, or for administering > 30 uCi of I-125 or I-131.
3. Notify NRC, in writing, within 30 days:
 - a. when an authorized user, Radiation Safety Officer, or Teletherapy Physicist permanently discontinues performance of duties under the license or has a name change; or
 - b. when the licensee's mailing address changes (no fee is required if the location of byproduct material remains the same).
4. In accordance with 10 CFR 30.36(b) and/or license condition, notify NRC, promptly, in writing, and request termination of the license:
 - a. when you decide to terminate all activities involving materials authorized under the license; or
 - b. if you decide not to complete the facility, acquire equipment, or possess and use authorized material.

5. Request and obtain a license amendment before you:
- receive or use byproduct material for a clinical procedure permitted under Part 35 but not permitted by your license issued pursuant to this part.
 - permit anyone, not authorized under 10 CFR 35, Subpart J, to work as an authorized user under a license for medical use of byproduct material.
 - permit anyone, not authorized under 10 CFR 35, Subpart J, to work as a Radiation Safety Officer, Teletherapy Physicist, or Nuclear Pharmacist, under a license for medical use of byproduct material.
 - order byproduct material in excess of the amount, or a different radionuclide or form, other than authorized on the license.
 - add or change the areas of use or address (or addresses) of use identified in the license application or on the license; or
 - change ownership of your organization.
6. Submit a complete renewal application with proper fee or termination request at least 30 days before expiration date of your license. You will receive a reminder notice approximately 90 days before the expiration date. Possession of byproduct material after your license expires is a violation of NRC regulations. Transfer of licensed materials must be consistent with 10 CFR 30.41, 40.51 or 70.42, as applicable. A license will not normally be renewed, except on a case-by-case basis, in instances where licensed material has never been possessed or used.

In addition, please note that NRC Form 313 requires the applicant, by his/her signature, to verify that the applicant understands that all statements contained in the application are true and correct to the best of the applicant's knowledge. The signatory for the application should be the licensee or certifying official rather than a consultant.

You will be periodically inspected by NRC. Failure to conduct your program in accordance with NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC will result in enforcement action against you. This could include issuance of a Notice of Violation, or imposition of a Civil Penalty, or an order suspending, modifying or revoking your license as specified in the "General Statement of Policy and Procedures for NRC Enforcement Actions," NUREG 1600 (7/95). Since serious consequences to employees and the public can result from failure to comply with NRC requirements, prompt and vigorous enforcement action will be taken against those who do not achieve the necessary attention to detail and standard of compliance expected of licensees.

Thank you for your cooperation.

Enclosures

1. NRC License
2. Category Marked Below for
 - 1. New license: NUREG 1600 (7/95) 19, 20, 30, 40 or 70, as appropriate, 71, 170, NRC Form License Agreement, State list, and NRC Form 313
 - 2. New radiography licenses: Parts 34, 150.
 - 3. New medical and teletherapy licenses: Part 35
 - 4. Amendments and renewals: NRC Form 313

BETWEEN:
License Fee Management Branch, APN
and
Regional Licensing Sections

(FOR LEMS USE)
INFORMATION FROM LMS

Program Code: 03120
Status Code: 0
Fee Category: 3p
Exp. Date: 20030731
Fee Comments:
Decom Fin Assur Recd: N

LICENSE FEE TRANSMITTAL

A. REGION 11

1. APPLICATION ATTACHED

Applicant/Licensee: MONOMACIELLA POWER CO.
Received Date: 060816
Docket No: 3013749
Control No.: 257204
License No.: 67 17073-01
Action Type: Amendment

2. FEE ATTACHED

Amount: NONE
Check No.: _____

3. COM

ORI: TROL 257163
ASSIGNED TO ABOVE LICENSE

Signed: DIANE WEIN
Date: 9/19/96

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered / V)

1. Fee Category and Amount: 3p

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

Amendment
Renewal
License

3. OTHER

Signed
Date

[Handwritten Signature]
[Handwritten Date]

Log
Fee Category
Type of Fee
C to Check Received
Date
[Handwritten: 939552]
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