Entergy

Entergy Nuclear Operations, Inc.
Pilgrim Station
600 Rocky Hill Road
Plymouth, MA 02360

Stephen J. Bethay
Director, Nuclear Assessment

August 26, 2005

NMSB 3

Mr. Sattar Lodhi, PhD
Health Physicist
Licensing Assistance Team
U.S. Nuclear Regulatory Commission, Region I
Division of Nuclear Materials Safety
475 Allendale Road
King of Prussia, PA 19406

SUBJECT: Entergy Nuclear Operations, Inc.
Pilgrim Nuclear Power Station
Docket No.: 030-34378 License No.: 20-07626-04

Request for Change of Materials License

REFERENCE: 1. NRC letter, Issuance of License Renewal, Control No. 132671, dated February 10, 2003

LETTER NUMBER: 2.05.058

Dear Sir:

By Reference 1, the NRC issued Amendment 05 to Materials License 20-07626-04. The amendment included renewal of the materials license.

As discussed during a recent telephone call with you and the Pilgrim Licensing staff, this letter requests that the license be amended to reflect a change of the person who fulfills the Radiation Safety Officer position at Pilgrim Nuclear Power Station. Specifically, it is requested that the name identified in Section 11, Parts A and B of the materials license be changed to Paul J. McNulty. Mr. McNulty will serve as the Radiation Safety Officer and licensed material will be used by, or under the supervision of, Mr. McNulty.

Mr. McNulty's resume is provided in Enclosure 1. A mark-up of the materials license showing the requested changes is provided in Enclosure 2.

Except for the requested change in the name of the person who fulfills the Radiation Safety Officer position at Pilgrim, there are no other changes to the materials license. All other terms and conditions of the materials license remain in effect.

This letter contains no commitments.

2005 SEP -2 PM 2:06

RECEIVED
REGION 1

205058

137627

NRC REGION I MATERIALS-002

Please feel free to contact Bryan Ford, (508) 830-8403, if you have any questions regarding this subject.

Sincerely,

Stephen Bethay

DWE/dm

Enclosures:
1. Resume of Paul J. McNulty (1 page)
2. Mark-up of Materials License 20-07626-04 (3 pages)

cc: Mr. James Shea, Project Manager
U.S. Nuclear Regulatory Commission
Office of Nuclear Reactor Regulation
Mail Stop: O-8B-1
1 White Flint North
11555 Rockville Pike
Rockville, MD 20852

Senior Resident Inspector
Pilgrim Nuclear Power Station

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

ENCLOSURE 1

Resume of Paul J. McNulty

(1 Page)

Paul J. McNulty

EDUCATION

University of Lowell
Lowell, Massachusetts — *1981 to 1985*

B.S., RADIOLOGICAL HEALTH PHYSICS

GRADUATE COURSES, RADIOLOGICAL HEALTH PHYSICS — *1985 to 1986*

PROFESSIONAL EXPERIENCE

Entergy Nuclear Northeast

Plymouth, Massachusetts

CHEMISTRY SUPERINTENDENT — *January 2001 to Present*

Responsible for Chemistry and radiochemistry program at Pilgrim Nuclear Power Station, including application of dose monitoring and calculations for radioactive effluents to the public.

CHEMISTRY SPECIALIST — *May 2000 to December 2000*

Responsible for Pilgrim Station chemistry procedures and programs.

Public Service Electric & Gas

HANCOCKS BRIDGE, NEW JERSEY

FIRST LINE SUPERVISOR — *October 1989 to May 2000*

Water Treatment supervisor (1989-1993), Lab supervisor (1993-1996), Radiochemistry supervisor and Count Room (CR) supervisor (1996-2000). As CR supervisor responsible for Chemistry and Radiation Protection samples. Maintained SAC-4, BC-4 equipment (QA/QC, calibration and operation). Maintained software and data review of air lapel sample results for personal exposure. Responsible for radiological effluent liquid and gaseous radiological effluents dose calculations. Radiation Protection Technical Manager at TSC for E-Plan.

RP TECHNICAL ANALYST — *September 1986 to April 1989*

Performed shielding calculations, point source dose calculations, dose monitoring and source term development at operating BWR/PWR plants. Supported shielding calculations, dose and dose rate monitoring. Performed dose rate monitoring for hydrogen injection start-up at Hope Creek Station. Responsible for radiological effluent dose calculations and reporting (RETS). E-plan dose assessor for emergency plans at EOF.

Boston Edison

PLYMOUTH, MASSACHUSETTS

HEALTH PHYSICS INTERN — *June 1985 to August 1985*

Performed shielding analysis and TLD testing for radwaste handling and shipping at Pilgrim Station.

University of Lowell

Lowell, MASSACHUSETTS — *September 1984 to June 1985*

Performed surveys (smears, air samples, dose rates), established postings at a 1MWt open pool reactor.

ENCLOSURE 2

Mark-up of Materials License 20-07626-04

(3 Pages)

U.S. NUCLEAR REGULATORY COMMISSION

Amendment No. 05

MATERIALS LICENSE

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 the application dated January 24, 2003,
1. Entergy Nuclear Operations, Inc. Pilgrim Nuclear Power Station	3. License number 20-07626-04 is amended in its entirety to read as follows:
2. 600 Rocky Hill Road Plymouth, Massachusetts 02360-5599	4. Expiration date February 28, 2013
	5. Docket No. 030-34378 Reference No.

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. Any byproduct material with atomic numbers 1 through 83 inclusive	A. Contamination on reactor components	A. 30 millicuries per nuclide and 3 curies total
B. Any byproduct, source or special nuclear material with atomic numbers 84 through 96	B. Contamination on reactor components	B. 10 microcuries per nuclide and 100 microcuries total
C. Chromium 51	C. Contamination on reactor components	C. 75 millicuries
D. Manganese 54	D. Contamination on reactor components	D. 150 millicuries
E. Iron 55	E. Contamination on reactor components	E. 1620 millicuries
F. Iron 59	F. Contamination on reactor components	F. 45 millicuries
G. Cobalt 58	G. Contamination on reactor components	G. 45 millicuries
H. Cobalt 60	H. Contamination on reactor components	H. 830 millicuries

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number
20-07626-04

Docket or Reference Number
030-34378

Amendment No. 05

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
I. Nickel 63	I. Contamination on reactor components	I. 65 millicuries
J. Cesium 137	J. Contamination on reactor components	J. 130 millicuries
K. Plutonium 241	K. Contamination on reactor components	K. 95 microcuries

9. Authorized use:

A. through K. Decontamination, repair and testing of reactor components.

CONDITIONS

10. Licensed material may be used only at temporary job sites of the licensee anywhere in the United States where the Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material.

11. A. Licensed material shall be used by, or under the supervision of, ~~Douglas C. Perry~~.

    B. The Radiation Safety Officer for this license is ~~Douglas C. Perry~~. Paul J. McNulty.

12. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material so that at no time is a quantity of radioactive material is possessed in excess of a quantity which requires consideration of the need for an emergency plan for responding to a release of licensed material in accordance with 10 CFR 30.72.

13. The licensee may transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."

MATERIALS LICENSE
SUPPLEMENTARY SHEET

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14. 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 January 24, 2003

For the U.S. Nuclear Regulatory Commission

Date February 10, 2003

By

Sattar Lodhi, Ph.D.
Nuclear Materials Safety Branch 2
Region I
King of Prussia, Pennsylvania 19406

25536173

This is to acknowledge the receipt of your letter/application dated

8/26/2005, and to inform you that the initial processing which includes an administrative review has been performed.

☑ AMEND. 20-07626-04
There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

☐ Please provide to this office within 30 days of your receipt of this card

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A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned **Mail Control Number** 137627.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.

NRC FORM 532 (RI)
(6-96)

Sincerely,
Licensing Assistance Team Leader