

TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF RADIOLOGICAL HEALTH



ASJH
TO: JEG311
LEN
HAM
AJL

RADIOACTIVE MATERIAL LICENSE

Pursuant to Tennessee Department of Environment and Conservation Regulations, 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 radioactive material listed below; and to use such radioactive material for the purpose(s) and at the place(s) designated below. This license is subject to all applicable rules and regulations of the Tennessee Department of Environment and Conservation and orders of the Division of Radiological Health, now or hereafter in effect and to any conditions specified below.

1. Name Nuclear Fuel Services, Inc. 2. Address 1205 Banner Hill Rd. Erwin, TN 37650	3. License number S-86010-C03
	4. Expiration date March 31, 2003
	5. File no. S-86010

6. Radioactive Material (Element and Mass Number)	8. Chemical and/or physical form	9. Maximum Radioactivity and/or quantity of material which licensee may possess at any one time.
See Supplementary Sheets		

10. Authorized Use

See Supplementary Sheets

CONDITIONS

11. Unless otherwise specified, the authorized place of use is the licensee's address stated in item 2, above.

See Supplementary Sheets

Effective date of Issuance March 11, 1998

Page 1 of 3 Pages

By: Charles Amott
J/K
For the Commissioner
Tennessee Department of Environment and Conservation

DIVISION OF RADIOLOGICAL HEALTH
Charles Amott
Health Physicist

TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF RADIOLOGICAL HEALTH

RADIOACTIVE MATERIAL LICENSE

Supplementary Sheet

Page 2 of 3 Pages

License Number S-86010-C03

6. Radioactive Material (Element and Mass Number)	8. Chemical and/or Physical Form	9. Maximum Radioactivity and/or Quantity of Material Which Licensee May Possess at Any One Time
A. Natural uranium	A. Any	A. 50 kilograms
B. Uranium enriched in the isotope U-235	B. Any	B. 350 grams of contained U-235
C. Depleted uranium	C. Any	C. 50 kilograms
D. Natural thorium	D. Any	D. 50 kilograms

10. Authorized Use

A. through D. For receipt, storage, use, and/or possession incident to the following:

1. Sampling and analysis;
2. Environmental remediation (e.g., excavation of soil, sediment, or other wastes; pumping of surface and/or groundwater);
3. Decontamination of facilities, equipment, and containers (e.g., scabbling, sanding, wiping surfaces, pressure-washing surfaces, chemical cleaning of surfaces, removal of concrete, concrete block, equipment, etc.);
4. Monitoring and surveillance;
5. Processing of contaminated media and wastes in order to prepare them for packaging and transport (e.g., segregating, screening, disassembling, cutting, crushing, blending, compacting, drying, solidifying, stabilizing, or other similar process);
6. Maintenance and repair of remediation and decontamination equipment;
7. Packaging or re-packaging for transport;

TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF RADIOLOGICAL HEALTH

RADIOACTIVE MATERIAL LICENSE

Supplementary Sheet

Page 3 of 3 Pages

License Number S-86010-C03

8. Transport, in appropriate packages or containers, for transfer to licensees authorized to receive the material in accordance with applicable regulations and terms and conditions of licenses issued by the NRC or any Agreement State.

Conditions

12. The licensee shall comply with applicable provisions of 1200-2-4, 1200-2-5, and 1200-2-10 of "State Regulations for Protection Against Radiation."
13. Operations authorized by this license in Item 10 may be conducted at UCAR Carbon Company, Inc., Highway 43 South, Lawrenceburg, TN.
14. A. Radioactive material authorized by this license shall be used by, or under the supervision of, authorized users defined in 2.6 of the attachments to application dated February 4, 1998.
- B. The Radiation Safety Officer for this license is Andrew M. Maxin.
15. The site authorized in Condition 13 of this license may be released for unrestricted use in accordance with a site remediation plan approved by the U. S. Nuclear Regulatory Commission. A copy of this plan and a copy of the final radiation survey approved by the Commission shall be submitted to the Department.
16. No provision of this license relieves the licensee from compliance with other Federal, State, and local laws, ordinances, and regulations applicable to the licensee's activities.
17. Except as specifically provided otherwise by this license, the licensee shall possess and use radioactive material described in Items 6, 8, and 9 of this license in accordance with statements, representations, and procedures contained in application dated February 4, 1998, with attachments, and letter dated February 4, 1998.

TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF RADIOLOGICAL HEALTH

FROM:	<u>OT 9/4</u>
TO:	<u>JCG 9/4</u>
	<u>9/14/02 JAY</u>

RADIOACTIVE MATERIAL LICENSE

Amendment 1

Page 1 of 1 Page

License Number S-86010-C08

Nuclear Fuel Services, Inc.
1205 Banner Hill Road
Erwin, TN 37650

Attention: B. Marie Moore, Vice President
Safety and Regulatory

Gentlemen:

Your Tennessee Radioactive Material License number S-86010-C03 is amended as follows:

To change Items 3 and 4. These items will now read as follows:

- 3. S-86010-C08
- 4. March 31, 2008

This amendment extends the expiration date of the license to that in Item 4.

All other parts of this license remain unchanged.

Date September 4, 2002

For the Commissioner
Tennessee Department of
Environment and Conservation

By Charles Arnott
Charles Arnott
Health Physicist
Division of Radiological Health

TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF RADIOLOGICAL HEALTH

FROM:	<i>[Signature]</i>
TO:	<i>[Signature]</i>
	<i>JAN 12</i>

RADIOACTIVE MATERIAL LICENSE

Amendment 2

Page 1 of 1 Page

License Number S-86010-C08

Nuclear Fuel Services, Inc.
1205 Banner Hill Road
Erwin, TN 37650

Attention: B. Marie Moore, Vice President
Safety and Regulatory

As requested by B. Marie Moore, and in accordance with her letter dated June 16, 2003, Tennessee Radioactive Material License Number S-86010-C08 is amended as follows:

To change Conditions 14 and 17. These conditions will now read as follows:

14. A. Radioactive material authorized by this license shall be used by, or under the supervision of, authorized users defined in 2.6 of the attachments to application dated February 4, 1998.
- B. The Radiation Safety Officer for this license is John W. Nagy.
17. Except as specifically provided otherwise by this license, the licensee shall possess and use radioactive material described in Items 6, 8, and 9 of this license in accordance with statements, representations, and procedures contained in application dated February 4, 1998, with attachments, and letters dated February 4, 1998, and June 16, 2003.

This amendment is considered to have become effective June 16, 2003.

All other parts of this license remain unchanged.
Date January 2, 2004

For the Commissioner
Tennessee Department of
Environment and Conservation

By *Charles Arnott*
Charles Arnott
Health Physicist
Division of Radiological Health

Form RHS 8-7A
(9-92)

TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF RADIOLOGICAL HEALTH

RADIOACTIVE MATERIAL LICENSE

Amendment 3

Page 1 of 2 Pages

License Number S-86010-C08

Nuclear Fuel Services, Inc.
1205 Banner Hill Road
Erwin, TN 37650

Attention: B. Marie Moore, Vice President
Safety and Regulatory

As requested by B. Marie Moore, and in accordance with her letter dated April 26, 2004, with attachments, Tennessee Radioactive Material License Number S-86010-C08 is amended as follows:

To change Items 10.A. through D. and Condition 17. These items and this condition will now read as follows:

A. through D. For receipt, storage, use, and/or possession incident to the following:

1. Sampling and analysis;
2. Environmental remediation (e.g., excavation of soil, sediment, or other wastes; pumping of surface and/or groundwater);
3. Decontamination of facilities, equipment, and containers (e.g., scabbling, sanding, wiping surfaces, pressure-washing surfaces, chemical cleaning of surfaces, removal of concrete, concrete block, equipment, etc.);
4. Demolition of sections of Building 10, the accompanying concrete slab, and associated underground piping.
5. Monitoring and surveillance;
6. Processing of contaminated media and wastes in order to prepare them for packaging and transport (e.g., segregating, screening, disassembling, cutting, crushing, blending, compacting, drying, solidifying, stabilizing, or other similar process);
7. Maintenance and repair of remediation and decontamination equipment;
8. Packaging or re-packaging for transport;

FROM: GT 4/28
TO: JCG 4/28
JAY
4/29/04

TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF RADIOLOGICAL HEALTH

RADIOACTIVE MATERIAL LICENSE

Amendment 3

Page 2 of 2 Pages

License Number S-86010-C08

9. Transport, in appropriate packages or containers, for transfer to licensees authorized to receive the material in accordance with applicable regulations and terms and conditions of licenses issued by the NRC or any Agreement State.

17. Except as specifically provided otherwise by this license, the licensee shall possess and use radioactive material described in Items 6, 8, and 9 of this license in accordance with statements, representations, and procedures contained in application dated February 4, 1998, with attachments, and letters dated February 4, 1998, June 16, 2003, and April 26, 2004, with attachments.

All other parts of this license remain unchanged.
Date April 28, 2004

For the Commissioner
Tennessee Department of
Environment and Conservation

By Charles Arnott
Charles Arnott
Health Physicist
Division of Radiological Health