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Site Vice President

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**DTE Energy**



10 CFR 50.90  
10 CFR 50.82(a)(9)  
10CFR50.71(e)

June 30, 2009  
NRC-09-0043

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

- References:
- 1) Enrico Fermi Atomic Power Plant, Unit No. 1  
NRC Docket No. 50-16  
NRC License Number DPR-9
  - 2) Enrico Fermi Atomic Power Plant, Unit No. 1  
License Termination Plan March 2009

Subject: **License Termination Plan, Revision 1**

Attached is the copy of the changed page for Revision 1 to the Enrico Fermi Atomic Power Plant, Unit No. 1 License Termination Plan (LTP). The LTP revision incorporates a correction in the values present in Table 3-2 of Chapter 3, for the years 1999 to 2002.

The Fermi 1 Review Committee has approved the proposed LTP revision and concurs with the changes.

If you have any questions, please contact Lynne S. Goodman, Manager, Fermi 1, at (734) 586-1205.

Sincerely,



Joseph H. Plona  
Site Vice President, Nuclear Generation

JHP/ME/ljd  
Enclosures (2)

UM5501  
FSME

USNRC  
NRC-09-0043  
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cc: NRC Regional Administrator, Region III (w/attachment)  
T. Smith, NRC (Washington, D.C.) (w/attachment)  
NRC Resident Inspector- Fermi 2  
P. Lee, NRC Region III (w/attachment)  
T. Strong (Michigan Dept of Environmental Quality) (w/attachment)

## **Enrico Fermi Atomic Power Plant, Unit No.1 LTP Revision 1.0 Replacement Pages**

The listing below provides the replacement pages for Revision 1.0 of the LTP. The listing below only identifies the LTP pages that result in changes to pages from Revision 0 of the March 2009 LTP. The replacement pages are based on double-sided pages.

Chapter 1: None

Chapter 2: None

Chapter 3: Remove Revision 0 pages 3-9 to 3-10 and replace with Revision 1 pages 3-9 to 3-10.

Chapter 4: None

Chapter 5: None

Chapter 6: None

Chapter 7: None

Chapter 8: None

Glossary of Terms: None

3.4.1 Public Exposure

Continued application of EF1’s current and future Radiation Protection and Radiological Effluent Programs assures public protection in accordance with 10 CFR Part 20 and 10 CFR Part 50, Appendix I. Sections 8.4.4 and 8.4.5 of this License Termination Plan (LTP) conclude that the public exposure as a result of decommissioning activities is bounded by the evaluation in the GEIS, which includes the impact is small.

3.4.2 Estimate of Quantity of Radioactive Material to be Shipped for Disposal.

EF1 has shipped for radioactive disposal approximately 1,508 cubic meters (53,250 cubic feet) from 1999 through December 31, 2007. The estimate of remaining waste is 1,416 cubic meters (50000 cubic feet), most of which is dealing with the reactor vessel and large component removal. This waste is expected to be classified as Class A waste and disposed of at Energy Solution’s Clive Utah disposal site. This volume of waste is bounded by NUREG-0586, (GEIS) volume for the reference pressurized water reactor of 18,343 cubic meters (647,700 cubic feet).

3.4.3 Solid Waste Activity and Volume

EF1’s Annual Report, submitted in accordance with 10 CFR 50.36(a), includes a report on solid waste activity and volumes. This report is submitted by August 31st of each year. The Fermi 1 reporting year is July 1st to June 30th. A summary of solid waste disposal for 1997 through 2007 is provided in Table 3-1. Future updates may be obtained from EF1 via inspection or future annual reports.

**Table 3-1: Solid Waste Effluent Release Report Summary**

Year	Volume (ft <sup>3</sup> )	Total Curies	Nuclides
1999	37520	0.024	Co-60, Ni-63, Sr-90, Cs-137
2000	1162	0.001	Co-60, Ni-63, Sr-90, Cs-137
2001	3534	0.002	Co-60, Ni-63, Sr-90, Cs-137
2002	2324	0.009	Co-60, Ni-63, Sr-90, Cs-137
2003	1163	0.0002	Co-60, Ni-63, Sr-90, Cs-137
2004	No Shipments	N/A	N/A
2005	1169	0.008	Co-60, Ni-63, Sr-90, Cs-137
2006	2769	0.09	Co-60, Ni-63, Sr-90, Cs-137
2007	3611	0.02	Co-60, Ni-63, Sr-90, Cs-137

3.4.4 Liquid Waste Activity and Volume

There were no radioactive liquid releases during the period from 1997 to present.

3.4.5 Gaseous Waste Activity and Volume

EF1 submits the Annual Report, which includes data on gaseous waste. The set of data provided in Table 3-2 provides a compilation of this information. A summary of the gaseous waste effluent release reports for July 1999 through June 2008 is provided below. Future updates may be obtained from EF1 via inspection. Radioactive gaseous releases are expected to cease after 2010.

**Table 3-2: Gaseous Waste Effluent Releases**

\*

Year	Fission & Activation (Ci)	Iodine (Ci)	Particulates (Ci)	Tritium (Ci)	TEDE mRem
1999	N/A	N/A	N/A	0.013	6.36E-06*
2000	N/A	N/A	N/A	0.038	1.36E-05*
2001	N/A	N/A	N/A	0.023	1.51E-05*
2002	N/A	N/A	N/A	0.023	9.56E-06*
2003	N/A	N/A	N/A	0.035	1.74E-05
2004	N/A	N/A	N/A	0.013	5.96E-06
2005	N/A	N/A	N/A	0.012	5.78E-06
2006	N/A	N/A	N/A	0.03	1.70E-05
2007	N/A	N/A	N/A	0.004	2.75E-06
2008	N/A	N/A	0.0004	0.0018	4.88E-06

\*TEDE reflects a revised calculation, previously reported values used an overly conservative formula

3.5 Site Description after License Release

Currently, no permanent buildings or structures on site are scheduled for demolition.

Various buildings may be used for office space or maintenance activities. At some future date, DECo may decide to refurbish or demolish any of the buildings or structures onsite. The Fermi 1 footprint remains within the Fermi 2 Owner Controlled Area (OCA) following license termination. The Fermi 2 Updated Final Safety Analysis Report; Section 1, identifies Fermi 1 as being within the Fermi 2 OCA.

3.6 Coordination with Outside Entities

The decommissioning and termination of EF1's 10 CFR Part 50 license involves, among others, the US NRC, the US Department of Transportation, the State of Michigan

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