

PMFermiCOLPEm Resource

From: Nicholas A Latzy [latzyn@dteenergy.com]
Sent: Friday, February 14, 2014 11:02 AM
To: Klos, John; Govan, Tekia; Muniz, Adrian
Subject: NRC3-14-0002 (COLA REV 6)
Attachments: NRC3-14-0002.pdf

To All:

DTE Energy signed correspondence NRC3-14-0002 (COLA REV 6) and associated DVD's have been mailed to the NRC. The following UPS Tracking numbers are being provided for your convenience.

Attached is an electronic courtesy copy of NRC3-14-0002.

Adrian Muniz : 1Z642A3R0190764265
Tekia Govan : 1Z642A3R0198785264
John Klos: 1Z642A3R0191506005

Thank you

Nicholas A. Latzy
Principal Engineer - Nuclear Engineering
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DTE Energy
(313)235-9226

(See attached file: NRC3-14-0002.pdf)

Hearing Identifier: Fermi_COL_Public
Email Number: 1342

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Subject: NRC3-14-0002 (COLA REV 6)
Sent Date: 2/14/2014 11:01:38 AM
Received Date: 2/14/2014 11:07:54 AM
From: Nicholas A Latzy

Created By: latzyn@dteenergy.com

Recipients:

"Klos, John" <John.Klos@nrc.gov>
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10 CFR 50.71(e)
10 CFR 52.3

February 14, 2014
NRC3-14-0002

U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington D C 20555-0001

- References: 1) Fermi 3
Docket No. 52-033
- 2) Letter from Jack M. Davis (Detroit Edison) to USNRC, "Detroit Edison Company Submittal of Application for a Combined License for Fermi 3 (NRC Project No. 757)," NRC3-08-0003, dated September 18, 2008
 - 3) Letter from Peter W. Smith (Detroit Edison) to USNRC, "Detroit Edison Company Application for a Combined License for Fermi 3 Update," NRC3-13-0001, dated February 14, 2013
 - 4) Letter from Peter W. Smith (Detroit Edison) to USNRC, "Detroit Edison Company Application for a Combined License for Fermi 3 Update and Establishment of the Licensing-Basis Information Freeze Point for the Fermi 3 COLA," NRC3-11-0005, dated February 14, 2011

Subject: DTE Electric Company Application for a Combined License for Fermi 3 Update

In Reference 2, DTE Electric Company submitted a Combined License Application (COLA) for Fermi 3 that incorporated the General Electric-Hitachi (GEH) design certification application for the Economic Simplified Boiling Water Reactor (ESBWR) and the associated Design Control Document (DCD). The Fermi 3 COLA was most recently updated in Reference 3. This letter transmits an update to the Fermi 3 COLA, satisfying the annual Final Safety Analysis Report (FSAR) update required by 10 CFR 50.71(e), and also updates Fermi 3 COLA Part 4, "Technical Specifications," Fermi 3 COLA Part 5, "Emergency Plan," and Fermi 3 COLA Part 10, "Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC)," as identified below.

As stated in Reference 4, DTE established the licensing-basis freeze point for the Fermi 3 COLA as defined in Interim Staff Guidance DC/COL-ISG-011, "Finalizing Licensing-Basis Information." Accordingly, changes to the Fermi 3 COLA have primarily originated from NRC staff requests for additional information (RAIs) and follow-up questions. The proposed COLA changes associated with DTE responses to RAIs and follow-up questions have been provided to the NRC staff in COLA markups contained within DTE correspondence. DTE has incorporated the COLA markups submitted to the NRC through February 2014 into this COLA update. Additional administrative and editorial COLA changes have been included in this COLA update as a result of internal DTE reviews of the Fermi 3 COLA. The revision summary in Enclosure 2 provides a

summary of the Fermi 3 COLA changes and includes the location of the change, the reason for the change, and DTE correspondence that transmitted the markups, where applicable. For the changes where the markups were not provided in DTE correspondence, it is appropriately noted in the revision summary.

This 2014 update of the Fermi 3 COLA is comprised of the following parts:

- Part 1: General and Administrative Information – Revision 2
- Part 2: Final Safety Analysis Report (FSAR) – Revision 6
- Part 3: Environmental Report (ER) – Revision 2
- Part 4: Technical Specifications (TS) – Revision 5
- Part 5: Emergency Plan (E-Plan) – Revision 5
- Part 6: Not Used (reserved for Limited Work Authorization / Site Redress Information)
- Part 7: Departures Report – Revision 4
- Part 8: Security Plan – Revision 3
- Part 9: Proprietary and Sensitive Unclassified Non-Safeguards Information – Revision 4
- Part 10: Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) – Revision 5

Part 1, "General and Administrative Information," has not been updated in this submittal. The entire document is denoted as Revision 2, and is included in this update as a reference document collection.

Part 2, "Final Safety Analysis Report," was revised to incorporate the changes resulting from DTE responses to NRC RAI letters and discussions with NRC staff. The entire document (Part 2) is denoted as Revision 6, with the changes between Revision 5 and Revision 6 identified by revision bars in the margins. A detailed revision summary for the changes to Part 2 is contained in Enclosure 2.

Part 3, "Environmental Report," has not been updated in this submittal. The entire document is denoted as Revision 2, and is included in this update as a reference document collection.

Part 4, "Technical Specifications," was revised to incorporate the changes resulting from DTE incorporation of the GEH ESBWR DCD, Revision 10. The entire document (Part 4) is denoted as Revision 5, with the changes between Revision 4 and Revision 5 identified by revision bars in the margins. A detailed revision summary for the changes to Part 4 is contained in Enclosure 2.

Part 5, "Emergency Plan," was revised to incorporate the changes resulting from DTE responses to NRC RAI letters and discussions with NRC staff. The entire document (Part 5) is denoted as Revision 5, with the changes between Revision 4 and Revision 5 identified by revision bars in the margins. A detailed revision summary for the changes to Part 5 is contained in Enclosure 2.

Part 7, "Departures Report," has not been updated in this submittal. The entire document is denoted as Revision 4, and is included in this update as a reference document collection.

Part 8, "Security Plan," has not been updated in this submittal. The entire document is denoted as Revision 3, and is included in this update as a reference document collection.

Part 9, "Proprietary and Sensitive Unclassified Non-Safeguards Information," has not been updated in this submittal. The entire document is denoted as Revision 4, and is included in this update as a reference document collection.

Part 10, "Inspections, Tests, Analyses, and Acceptance Criteria," was revised to incorporate changes resulting from DTE responses to NRC RAI Letters and discussions with NRC staff. The entire document is denoted as Revision 5 with the changes between Revision 4 and Revision 5 identified by revision bars in the margins. A detailed revision summary for the changes to Part 10 is contained in Enclosure 2.

A revision summary has been provided in Enclosure 2, containing detailed descriptions of the changes made for Part 2, Part 4, Part 5, and Part 10 of the COLA, which have been revised in this submittal. The revision summary includes details regarding changes made between the Fermi 3 COLA submitted in Reference 3 and this submittal.

A revised set of application documents is provided in electronic file format on the enclosed disc. Fermi 3 COLA Part 8, "Security Plan," and Part 9, "Proprietary and Sensitive Unclassified Non-Safeguards Information," have not been revised in this submittal and are included as reference document collections only; therefore, the enclosed disc contains no proprietary, SUNSI, or safeguards information. Included with the disc is a "packing slip" describing its contents, pursuant to NRC instructions for electronic filing. Appropriate pre-submission checks have been successfully performed on the files of the disc to ensure conformance with "Guidance for Electronic Submissions to the NRC." The disc has been found acceptable for electronic submittal.

If you have any questions, or need additional information, please contact me at (313) 235-3341.

I state under penalty of perjury that the foregoing is true and correct. Executed on the 14th day of February 2014.

Sincerely,

A handwritten signature in black ink, appearing to read 'PWS', with a long horizontal flourish extending to the right.

Peter W. Smith,
Nuclear Development - Licensing and Engineering
DTE Energy

Enclosures: 1) Fermi 3 COLA DVD, 2014 Update
2) Fermi 3 COLA, 2014 Update Revision Summary

cc: Adrian Muniz, NRC Fermi 3 Project Manager (w/ 10 Copies of Enclosure 1)
Tekia Govan, NRC Fermi 3 Project Manager (w/ 1 copy of Enclosure 1)
John Klos, NRC Fermi 3 Project Manager (w/ 1 copy of Enclosure 1)
Bruce Olson, NRC Fermi 3 Environmental Project Manager (w/o enclosures)
Fermi 2 Resident Inspector (w/o enclosures)
NRC Region III Regional Administrator (w/o enclosures)
NRC Region II Regional Administrator (w/o enclosures)
Supervisor, Electric Operators, Michigan Public Service Commission (w/o enclosures)
Michigan Department of Natural Resources and Environment
Radiological Protection Section (w/o enclosures)
Regina Borsh, Dominion Energy, Inc.
Barry C. Bryant, Dominion Energy, Inc.
Patricia L. Campbell, General Electric

**ENCLOSURE 1 TO
NRC3-14-0002**

FERMI 3 COLA DVD, 2014 UPDATE

One DVD labeled "DTE Fermi 3 Combined License Application, 2014 Update, February 2014"
containing the following:

Fermi 3 Combined License Application Update, February 2014

DVD Packing Slip as Required by NRC for Electronic Submittals

**ENCLOSURE 2 TO
NRC3-14-0002**

FERMI 3 COLA, 2014 UPDATE, REVISION SUMMARY
(15 pages)

Revision summaries follow for each part identified below:

Part 2: Final Safety Analysis Report (FSAR) - Rev 5 to Rev 6

Part 4: Technical Specifications (Tech Specs) - Rev 4 to Rev 5

Part 5: Emergency Plan (E-Plan) - Rev 4 to Rev 5

Part 10: Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) - Rev 4 to Rev 5

Fermi 3 COLA Part 2, FSAR Revision Summary (Rev 5 to Rev 6)

Location	Revision Summary
Table of Contents	Section 19.6, Mitigative Strategies Descriptions and Plans changes resulting from Supplemental Response to NRC RAI Letter No. 88. See supplemental response to NRC RAI Letter No. 88 in DTE Letter NRC3-13-0030, dated 8/30/2013 (ML13260A112) for further information.
Section 1.4.1	Detroit Edison Company Section changes resulting from the incorporation of Detroit Edison Company Name Change submitted correspondence. See Detroit Edison Company Name Change to DTE Electric Company in DTE Letter NRC3-12-0032, dated 12/21/2012 (ML12361A437) for further information. COLA mark-ups not previously provided.
Section 1.4.3.3	Geomatrix section changes resulting from the submittal of Section 3.7.1 Markups. See submittal of FSAR Section 3.7.1 Markups in DTE Letter NRC3-13-0015, dated 4/26/13 (ML13130A095; ML13130A097; ML13130A098; ML13130A099) for further information.
Table 1.6-201	Referenced Topical Reports Table changes resulting from the Incorporation of the Emergency Preparedness Rule Changes into Fermi 3 COLA. See Response to Incorporation of EP Rule Changes into the Fermi 3 COLA in DTE Letter NRC3-12-0029, dated 12/18/2012 (ML12355A032) for further information.
Table 1.6-201	Referenced Topical Reports Table changes resulting from Supplemental Response to NRC RAI Letter No. 88. See supplemental response to NRC RAI Letter No. 88 in DTE Letter NRC3-13-0030, dated 8/30/2013 (ML13260A112) for further information.
Section 1.8.3	Verification of Site Parameter section changes resulting from the submittal of Section 3.7.1 Markups. See submittal of FSAR Section 3.7.1 Markups in DTE Letter NRC3-13-0015, dated 4/26/13 (ML13130A095; ML13130A097; ML13130A098; ML13130A099) for further information.
Table 1.8-202	Conceptual Design Information Tables changes resulting from the submittal of Section 3.7.1 Markups. See submittal of FSAR Section 3.7.1 Markups in DTE Letter NRC3-13-0015, dated 4/26/13 (ML13130A095; ML13130A097; ML13130A098; ML13130A099) for further information.
Section 1.9.3	Applicability of Experience Information section changes resulting from the submittal of Section 3.7.1 Markups. See submittal of FSAR Section 3.7.1 Markups in DTE Letter NRC3-13-0015, dated 4/26/13 (ML13130A095; ML13130A097; ML13130A098; ML13130A099) for further information.
Table 1.9-201	Conformance with Standard Review Plan Table changes resulting from Supplemental Responses to NRC RAI Letter No. 81. See supplemental response to NRC RAI Letter No. 81 in DTE Letter NRC3-13-0009, dated 2/22/2013 (ML13057A016) for further information.

Fermi 3 COLA Part 2, FSAR Revision Summary (Rev 5 to Rev 6)

Location	Revision Summary
Table 1.9-201	Conformance with Standard Review Plan Tables changes resulting from the submittal of Section 3.7.1 Markups. See submittal of FSAR Section 3.7.1 Markups in DTE Letter NRC3-13-0015, dated 4/26/13 (ML13130A095; ML13130A097; ML13130A098; ML13130A099) for further information.
Table 1.9-202	Conformance with Regulatory Guides Table changes resulting from Supplemental Response to NRC RAI Letter No. 81. See supplemental response to NRC RAI Letter No. 81 in DTE Letter NRC3-13-0009, dated 2/22/2013,(ML13057A016) for further information.
Table 1.9-202	Conformance with the FSAR Content Guidance in RG 1.206 Table changes resulting from Supplemental Response to NRC RAI Letter No. 77. See supplemental response to RAI 01.05-1 in DTE Letter NRC3-13-0011, dated 3/15/2013 (ML13079A490; ML13079A491; ML13079A492; ML13079A493) for further information.
Table 1.9-202	Conformance with the FSAR Content Guidance in RG 1.206 Table changes resulting from the submittal of Section 3.7.1 Markups. See submittal of FSAR Section 3.7.1 Markups in DTE Letter NRC3-13-0015, dated 4/26/13 (ML13130A095; ML13130A097; ML13130A098; ML13130A099) for further information.
Table 1.9-203	Conformance with the FSAR Content Guidance in RG 1.206 Table changes resulting from Supplemental Response to NRC RAI Letter No. 81. See supplemental response to NRC RAI Letter No. 81 in DTE Letter NRC3-13-0009, dated 2/22/2013,(ML13057A016) for further information.
Table 1.9-204	Industrial Codes and Standards Table changes resulting from the submittal of Section 3.7.1 Markups. See submittal of FSAR Section 3.7.1 Markups in DTE Letter NRC3-13-0015, dated 4/26/13 (ML13130A095; ML13130A097; ML13130A098; ML13130A099) for further information.
Table 1.9-205	NUREG Reports Cited Table changes resulting from Supplemental Response to NRC RAI Letter No. 77. See supplemental response to RAI 01.05-1 in DTE Letter NRC3-13-0011, dated 3/15/2013 (ML13079A490; ML13079A491; ML13079A492; ML13079A493) for further information.
Table 1.9-205	NUREG Reports Cited Table changes resulting from the submittal of Section 3.7.1 Markups. See submittal of FSAR Section 3.7.1 Markups in DTE Letter NRC3-13-0015, dated 4/26/13 (ML13130A095; ML13130A097; ML13130A098; ML13130A099) for further information.
Table 1.10-201	Table changes resulting from the submittal of Section 3.7.1 Markups. See submittal of FSAR Section 3.7.1 Markups in DTE Letter NRC3-13-0015, dated 4/26/13 (ML13130A095; ML13130A097; ML13130A098; ML13130A099) for further information.
Table 1.10-201	Table changes resulting from the submittal of supplemental response to NRC RAI 08.02-18. See DTE Letter NRC3-13-0037, dated 12/13/13 (ML13352A359) for further information.

Fermi 3 COLA Part 2, FSAR Revision Summary (Rev 5 to Rev 6)

Location	Revision Summary
Table 1.11-201	COL Item Resolutions Related to NUREG-0933 Table II Task Action Plan Items and New Generic Issues Table changes resulting from Supplemental Response to NRC RAI Letter No. 81. See supplemental response to NRC RAI Letter No. 81 in DTE Letter NRC3-13-0009, dated 2/22/2013,(ML13057A016) for further information.
Table 1C-201	Operating Experience Review Results Summary – Generic Letters table changes resulting from Supplemental Response to NRC RAI Letter No. 81. See supplemental response to NRC RAI Letter No. 81 in DTE Letter NRC3-13-0009, dated 2/22/2013,(ML13057A016) for further information.
Section 1.1.1.7	Incorporation by Reference section changes resulting from submittal of Fermi 3 COLA Markups for Implementation of ESBWR DCD, Revision 10. See Response in DTE Letter NRC3-13-0034, dated 12/17/13 (ML13353A497) for further information.
Section 1.1.2.8	Schedule Section changes resulting from response to NRC Staff revision of the Fermi 3 Application Review Schedule. See response to NRC Staff revision to Fermi 3 Application Review Schedule in DTE Letter NRC3-13-0014, dated 4/18/2013 (ML13109A427) for further information.
Section 1.5.1.1	Post-Fukushima Near-Term Task Force Recommendations and References sections addition resulting from the Supplemental Response to NRC RAI Letter No. 84. See supplemental response to RAI 01.05-5 in DTE Letter NRC3-13-0022, dated 7/09/2013 (ML13192A301) for further information.
Table 2.0-201	Evaluation of Site/Design Parameters and Characteristics Table changes resulting from the submittal of Section 3.7.1 Markups. See submittal of FSAR Section 3.7.1 Markups in DTE Letter NRC3-13-0015, dated 4/26/13 (ML13130A095; ML13130A097; ML13130A098; ML13130A099) for further information.
Figure 2.0-201	Horizontal and Vertical RB/FB Enhanced SCOR FIRS and CSDRS Figures changes resulting from the submittal of Section 3.7.1 Markups. See submittal of FSAR Section 3.7.1 Markups in DTE Letter NRC3-13-0015, dated 4/26/13 (ML13130A095; ML13130A097; ML13130A098; ML13130A099) for further information.
Figure 2.0-202	Comparison of Vertical CSDRS with Unit 3 FIRS for the RB/FB and CB Figures changes resulting from the submittal of Section 3.7.1 Markups. See submittal of FSAR Section 3.7.1 Markups in DTE Letter NRC3-13-0015, dated 4/26/13 (ML13130A095; ML13130A097; ML13130A098; ML13130A099) for further information.
Figure 2.0-203	Horizontal and Vertical FWSC FIRS and 1.35 Times the CSDRS Figure changes resulting from the submittal of Section 3.7.1 Markups. See submittal of FSAR Section 3.7.1 Markups in DTE Letter NRC3-13-0015, dated 4/26/13 (ML13130A095; ML13130A097; ML13130A098; ML13130A099) for further information.

Fermi 3 COLA Part 2, FSAR Revision Summary (Rev 5 to Rev 6)

Location	Revision Summary
Section 2.5.1, 2.5.3, 2.5.4, 2.5 Appendix	Geology, Seismology, and Geotechnical Engineering Section changes, including References, Tables, and Figures resulting from the submittal of Section 3.7.1 Markups. See submittal of FSAR Section 3.7.1 Markups in DTE Letter NRC3-13-0015, dated 4/26/13 (ML13130A095; ML13130A097; ML13130A098; ML13130A099) for further information.
Section 2.5.2	Vibratory Ground Motion Section changes, including References, Tables, and Figures, resulting from Supplemental Response to NRC RAI Letter No. 77. See supplemental response to RAI 01.05-1 in DTE Letter NRC3-13-0011, dated 3/15/2013 (ML13079A490; ML13079A491; ML13079A492; ML13079A493) for further information.
Table 2.5.4-227	Results of Bearing Capacity Analysis Table changes resulting from Response to NRC RAI Letter No. 70 and No. 79. See RAI Responses and FSAR Markups in DTE Letter NRC3-13-0032, dated 9/12/2013 (ML13259A243; ML13259A244; ML13259A245) for further information.
Section 3.7.1	Seismic Design Parameters Section changes resulting from the submittal of Section 3.7.1 Markups. See submittal of FSAR Section 3.7.1 Markups in DTE Letter NRC3-13-0015, dated 4/26/13 (ML13130A095; ML13130A097; ML13130A098; ML13130A099) for further information.
Section 3.7.1.1.4.1.1	Dynamic Properties for the Full Soil Column Profile Section changes resulting from the response to NRC RAI Letter No. 87. See response to RAI 02.05.02-21 in DTE Letter NRC3-13-0027, dated 8/09/2013 (ML13226A030) for further information.
Section 3.7.1.1.4.1.1.2	Shear Modulus Reduction and Damping Section changes resulting from response to NRC SSI Audit Action Items and Supplemental Responses to NRC RAI Letter 70 and 79. See RAI Responses and FSAR Markups in DTE Letter NRC3-13-0036, dated 12/13/13 (ML13354B508) for further information.
Section 3.7.1.1.4.3.3	Deterministic Profiles for SSI Analyses section changes resulting from response to NRC SSI Audit Action Items and Supplemental Responses to NRC RAI Letter 70 and 79. See RAI Responses and FSAR Markups in DTE Letter NRC3-13-0036, dated 12/13/13 (ML13354B508) for further information.
Section 3.7.1.1.5	Site-Specific Design Ground Motion Time Histories section changes resulting from response to NRC SSI Audit Action Items and Supplemental Responses to NRC RAI Letter 70 and 79. See RAI Responses and FSAR Markups in DTE Letter NRC3-13-0036, dated 12/13/13 (ML13354B508) for further information.
Section 3.7	Seismic System Analysis Section changes resulting from Response to NRC RAI Letter No. 70 and No. 79. See RAI Responses and FSAR Markups in DTE Letter NRC3-13-0032, dated 9/12/2013 (ML13259A243; ML13259A244; ML13259A245) for further information.

Fermi 3 COLA Part 2, FSAR Revision Summary (Rev 5 to Rev 6)

Location	Revision Summary
Figure 3.7.1-251 to Figure 3.7.1-256	Figures 3.7.1-251 to 3.7.1-255 changes resulting from response to NRC SSI Audit Action Items and Supplemental Responses to NRC RAI Letter 70 and 79. See RAI Responses and FSAR Markups in DTE Letter NRC3-13-0036, dated 12/13/13 (ML13354B508) for further information.
Section 3.7.2.4	Soil Structure Interaction Section change to correct a cross-reference. COLA mark-ups not previously provided.
Section 3.7.2.4	Soil-Structure Interaction Section changes resulting from response to NRC SSI Audit Action Items and Supplemental Responses to NRC RAI Letter 70 and 79. See RAI Responses and FSAR Markups in DTE Letter NRC3-13-0036, dated 12/13/13 (ML13354B508) for further information.
Section 3.7.2.4.1	Fermi 3 Site-Specific Soil-Structure Interaction Analysis section changes resulting from response to NRC SSI Audit Action Items and Supplemental Responses to NRC RAI Letter 70 and 79. See RAI Responses and FSAR Markups in DTE Letter NRC3-13-0036, dated 12/13/13 (ML13354B508) for further information.
Section 3.7.2.4.1	Fermi 3 Site-Specific Soil-Structure Interaction Analysis change to correct a cross-reference. COLA mark-ups not previously provided.
Section 3.7.2.4.1.3	Soil-Structure Interaction Analysis Method section changes resulting from Response to NRC RAI Letter No. 70 and No. 79. See RAI Responses and FSAR Markups in DTE Letter NRC3-13-0032, dated 9/12/2013 (ML13259A243; ML13259A244; ML13259A245) for further information.
Section 3.7.2.4.1.3	Soil-Structure Interaction Analysis Method section changes resulting from response to NRC SSI Audit Action Items and Supplemental Responses to NRC RAI Letter 70 and 79. See RAI Responses and FSAR Markups in DTE Letter NRC3-13-0036, dated 12/13/13 (ML13354B508) for further information.
Section 3.7.2.4.1.4	Soil-Structure Interaction Analysis Structural Models change to correct a cross-reference. COLA mark-ups not previously provided.
Section 3.7.2.4.1.6.1	SSI enveloping Maximum Structural Loads section changes resulting from response to NRC SSI Audit Action Items and Supplemental Responses to NRC RAI Letter 70 and 79. See RAI Responses and FSAR Markups in DTE Letter NRC3-13-0036, dated 12/13/13 (ML13354B508) for further information.
Section 3.7.2.4.1.6.1	SSI enveloping Maximum Structural Loads section change to correct a cross-reference. COLA mark-ups not previously provided.

Fermi 3 COLA Part 2, FSAR Revision Summary (Rev 5 to Rev 6)

Location	Revision Summary
Section 3.7.2.4.1.7	Conclusions section changes resulting from response to NRC SSI Audit Action Items and Supplemental Responses to NRC RAI Letter 70 and 79. See RAI Responses and FSAR Markups in DTE Letter NRC3-13-0036, dated 12/13/13 (ML13354B508) for further information.
Section 3.8.4.5.6	Exterior Wall Design changes resulting from response to NRC SSI Audit Action Items and Supplemental Responses to NRC RAI Letter 70 and 79. See RAI Responses and FSAR Markups in DTE Letter NRC3-13-0036, dated 12/13/13 (ML13354B508) for further information.
Section 3.8	Foundations Section changes resulting from the response to NRC RAI Letter No. 70 and No. 79. See RAI Responses and FSAR Markups in DTE Letter NRC3-13-0032, dated 9/12/2013 (ML13259A243; ML13259A244; ML13259A245) for further information.
Section 3.8.5.5.1	Foundation Stability section changes resulting from response to NRC SSI Audit Action Items and Supplemental Responses to NRC RAI Letter 70 and 79. See RAI Responses and FSAR Markups in DTE Letter NRC3-13-0036, dated 12/13/13 (ML13354B508) for further information.
Section 3.8.5.5.2	Soil Bearing Pressures section changes resulting from response to NRC SSI Audit Action Items and Supplemental Responses to NRC RAI Letter 70 and 79. See RAI Responses and FSAR Markups in DTE Letter NRC3-13-0036, dated 12/13/13 (ML13354B508) for further information.
Section 3.8.5.5.2	Soil Bearing Pressures section change to correct a cross-reference. COLA mark-ups not previously provided.
Table 3.8.5.-203	Table 3.8.5-203 changes resulting from response to NRC SSI Audit Action Items and Supplemental Responses to NRC RAI Letter 70 and 79. See RAI Responses and FSAR Markups in DTE Letter NRC3-13-0036, dated 12/13/13 (ML13354B508) for further information.
Section 3.9.2.4	Mechanical Systems and Components section changes resulting from submittal of Fermi 3 COLA Markups for Implementation of ESBWR DCD, Revision 10. See Response in DTE Letter NRC3-13-0034, dated 12/17/13 (ML13353A497) for further information.
Section 3.9.2.4	Mechanical and System Components section changes resulting from submittal of Information Related to Steam Dryer Flow Induced Vibration. See response letter and FSAR Markups in DTE Letter NRC3-14-0003, dated 1/24/2014 (ML14028A176) for further information.
Section 3.9.3.1	Loading Combinations, Design Transients and Stress Limits section editorial change to commitment 3.9-002 to be consistent with ESBWR DCD Revision 10, based on staff feedback received via email to DTE on 02/12/14. COLA mark-ups not previously provided.

Fermi 3 COLA Part 2, FSAR Revision Summary (Rev 5 to Rev 6)

Location	Revision Summary
Appendix 3A	Seismic Soil-Structure Interaction Analysis section changes resulting from response to NRC SSI Audit Action Items and Supplemental Responses to NRC RAI Letter 70 and 79. See RAI Responses and FSAR Markups in DTE Letter NRC3-13-0036, dated 12/13/13 (ML13354B508) for further information.
Appendix 3C	Computer Programs Used in the Design and Analysis of Seismic Category I Structures changes resulting from response to NRC SSI Audit Action Items and Supplemental Responses to NRC RAI Letter 70 and 79. See RAI Responses and FSAR Markups in DTE Letter NRC3-13-0036, dated 12/13/13 (ML13354B508) for further information.
Section 8.2.1.2	Offsite Power System section changes resulting from the submittal of supplemental response to NRC RAI 08.02-18. See DTE Letter NRC3-13-0037, dated 12/13/13 (ML13352A359) for further information.
Section 8.2.4	COL Information Section change resulting from the submittal of supplemental response to NRC RAI 08.02-18. See DTE Letter NRC3-13-0037, dated 12/13/13 (ML13352A359) for further information.
Section 12.2.1.1.2	Other Radioactive Sources Section addition resulting from the supplemental response to NRC RAI Letter No. 69. See supplemental response to RAI 01-7 in DTE Letter NRC3-13-0020, dated 6/28/2013 (ML13183A145) for further information.
Table 12.2-209	Non-Fuel Special Nuclear Material for Use table changes resulting from the supplemental response to NRC RAI Letter No. 69. See supplemental response to RAI 01-7 in DTE Letter NRC3-13-0020, dated 6/28/2013 (ML13183A145) for further information.
Section 13.5.2.2.8	Security Procedures section changes resulting from response to NRC RAI Letter No. 89. See response to RAI 13.06.01-56 in DTE Letter NRC3-14-0004, dated 2/12/14 for further information.
Section 13.5.2.2.12	10 CFR 37 Physical Protection Program Procedures section addition resulting from response to NRC RAI Letter No. 89. See response to RAI 13.06.01-56 in DTE Letter NRC3-14-0004, dated 2/12/14 for further information.
Section 13.6.2	Security Plan Section changes resulting from the response to NRC RAI Letter No. 88. See response to RAI 01.05-09 in DTE Letter NRC3-13-0029, dated 8/14/2013 (ML13231A068) for further information.
Section 13.6.2	Security Plan Section changes resulting from Supplemental Response to NRC RAI Letter No. 88. See supplemental response to NRC RAI Letter No. 88 in DTE Letter NRC3-13-0030, dated 8/30/2013 (ML13260A112) for further information.

Fermi 3 COLA Part 2, FSAR Revision Summary (Rev 5 to Rev 6)

Location	Revision Summary
Section 13.6.2	Security Plan Section changes resulting from response to NRC RAI Letter No. 89. See response to RAI 13.06.01-56 in DTE Letter NRC3-14-0004, dated 2/12/14 for further information.
Table 13.4-201	Operational Programs Required by NRC Regulations Table changes resulting from the response to NRC RAI Letter No. 88. See response to RAI 01.05-09 in DTE Letter NRC3-13-0029, dated 8/14/2013 (ML13231A068) for further information.
Table 13.4-201	Operational Programs Required by NRC Regulations Table changes resulting from Supplemental Response to NRC RAI Letter No. 88. See supplemental response to NRC RAI Letter No. 88 in DTE Letter NRC3-13-0030, dated 8/30/2013 (ML13260A112) for further information.
Table 13.4-201	Operational Programs Required by NRC Regulations Table changes resulting from response to NRC RAI Letter No. 89. See response to RAI 13.06.01-56 in DTE Letter NRC3-14-0004, dated 2/12/14 for further information.
Appendix 13EE	Appendix 13EE 10 CFR Part 37 Physical Protection Program Description addition resulting from response to NRC RAI Letter No. 89. See response to RAI 13.06.01-56 in DTE Letter NRC3-14-0004, dated 2/12/14 for further information.
Section 19.5	Conclusions Section resulting from Supplemental Response to NRC RAI Letter No. 88. See supplemental response to NRC RAI Letter No. 88 in DTE Letter NRC3-13-0030, dated 8/30/2013 (ML13260A112) for further information.

Fermi 3 COLA Part 4, Technical Specifications (Rev 4 to Rev 5)

Location	Revision Summary
Fermi 3 Technical Specifications and Bases (Various Sections)	Technical Specifications and Bases changes associated with the implementation of ESBWR DCD, Revision 10. See Response in DTE Letter NRC3-13-0034, dated 12/17/13 (ML13353A497) for further information.

Fermi 3 COLA Part 5, Emergency Plan (Rev 4 to Rev 5)

Location	Revision Summary
Section II.A.1.b	Emergency Plan section changes resulting from the Incorporation of the Emergency Preparedness Rule Changes into Fermi 3 COLA. See Response to Incorporation of EP Rule Changes into the Fermi 3 COLA in DTE Letter NRC3-12-0029, dated 12/18/2012 (ML12355A032) for further information.
Section II.A.1.b	Emergency Plan section changes resulting from response to NRC RAI Letter No. 83. See response to NRC RAI 13.03-74 in DTE Letter NRC3-13-0012, dated 4/12/2013 (ML13116A429) for further information.
Section II.B.1	Emergency Plan section changes resulting from response to NRC RAI Letter No. 83. See response to NRC RAI 13.03-76 in DTE Letter NRC3-13-0012, dated 4/12/2013 (ML13116A429) for further information.
Section II.B.8	Emergency Plan section changes resulting from the Incorporation of the Emergency Preparedness Rule Changes into Fermi 3 COLA. See Response to Incorporation of EP Rule Changes into the Fermi 3 COLA in DTE Letter NRC3-12-0029, dated 12/18/2012 (ML12355A032) for further information.
Section II.B.8	Emergency Plan section changes resulting from response to NRC RAI Letter No. 83. See response to NRC RAI 13.03-69 in DTE Letter NRC3-13-0012, dated 4/12/2013 (ML13116A429) for further information.
Section II.D	Emergency Plan section changes resulting from the Incorporation of the Emergency Preparedness Rule Changes into Fermi 3 COLA. See Response to Incorporation of EP Rule Changes into the Fermi 3 COLA in DTE Letter NRC3-12-0029, dated 12/18/2012 (ML12355A032) for further information.
Section II.E.5	Emergency Plan section changes resulting from the Incorporation of the Emergency Preparedness Rule Changes into Fermi 3 COLA. See Response to Incorporation of EP Rule Changes into the Fermi 3 COLA in DTE Letter NRC3-12-0029, dated 12/18/2012 (ML12355A032) for further information.
Section II.E.5	Emergency Plan section changes resulting from response to NRC RAI Letter No. 83. See response to NRC RAI 13.03-73 in DTE Letter NRC3-13-0012, dated 4/12/2013 (ML13116A429) for further information.
Section II.H.1.d	Emergency Plan section changes resulting from the Incorporation of the Emergency Preparedness Rule Changes into Fermi 3 COLA. See Response to Incorporation of EP Rule Changes into the Fermi 3 COLA in DTE Letter NRC3-12-0029, dated 12/18/2012 (ML12355A032) for further information.
Section II.H.1.d	Emergency Plan section changes resulting from response to NRC RAI Letter No. 83. See response to NRC RAI 13.03-68 in DTE Letter NRC3-13-0012, dated 4/12/2013 (ML13116A429) for further information.

Fermi 3 COLA Part 5, Emergency Plan (Rev 4 to Rev 5)

Location	Revision Summary
Section II.J.5	Emergency Plan section changes resulting from response to NRC RAI Letter No. 83. See response to NRC RAI 13.03-70 in DTE Letter NRC3-13-0012, dated 4/12/2013 (ML13116A429) for further information.
Section II.J.6	Emergency Plan section changes resulting from the Incorporation of the Emergency Preparedness Rule Changes into Fermi 3 COLA. See Response to Incorporation of EP Rule Changes into the Fermi 3 COLA in DTE Letter NRC3-12-0029, dated 12/18/2012 (ML12355A032) for further information.
Section II.J.6	Emergency Plan section changes resulting from response to NRC RAI Letter No. 83. See response to NRC RAI 13.03-70 in DTE Letter NRC3-13-0012, dated 4/12/2013 (ML13116A429) for further information.
Section II.J.7	Emergency Plan section changes resulting from response to NRC RAI Letter No. 83. See response to NRC RAI 13.03-77 in DTE Letter NRC3-13-0012, dated 4/12/2013 (ML13116A429) for further information.
Section II.N.1.a	Emergency Plan section changes resulting from the Incorporation of the Emergency Preparedness Rule Changes into Fermi 3 COLA. See Response to Incorporation of EP Rule Changes into the Fermi 3 COLA in DTE Letter NRC3-12-0029, dated 12/18/2012 (ML12355A032) for further information.
Section II.N.1.a	Emergency Plan section changes resulting from response to NRC RAI Letter No. 83. See response to NRC RAI 13.03-71 in DTE Letter NRC3-13-0012, dated 4/12/2013 (ML13116A429) for further information.
Section II.N.1.b	Emergency Plan section changes resulting from the Incorporation of the Emergency Preparedness Rule Changes into Fermi 3 COLA. See Response to Incorporation of EP Rule Changes into the Fermi 3 COLA in DTE Letter NRC3-12-0029, dated 12/18/2012 (ML12355A032) for further information.
Section II.N.1.b	Emergency Plan section changes resulting from response to NRC RAI Letter No. 83. See response to NRC RAI 13.03-71 in DTE Letter NRC3-13-0012, dated 4/12/2013 (ML13116A429) for further information.
Section II.N.2.f	Emergency Plan section changes resulting from response to NRC RAI Letter No. 83. See response to NRC RAI 13.03-72 in DTE Letter NRC3-13-0012, dated 4/12/2013 (ML13116A429) for further information.
Section II.P.3	Emergency Plan section changes resulting from the Incorporation of the Emergency Preparedness Rule Changes into Fermi 3 COLA. See Response to Incorporation of EP Rule Changes into the Fermi 3 COLA in DTE Letter NRC3-12-0029, dated 12/18/2012 (ML12355A032) for further information.

Fermi 3 COLA Part 5, Emergency Plan (Rev 4 to Rev 5)

Location	Revision Summary
Section II.P.3	Emergency Plan section changes resulting from response to NRC RAI Letter No. 83. See response to NRC RAI 13.03-69 in DTE Letter NRC3-13-0012, dated 4/12/2013 (ML13116A429) for further information.
Supplemental Information S03, "Cross Reference"	Supplemental Information S03, "Cross Reference" section changes resulting from the Incorporation of the Emergency Preparedness Rule Changes into Fermi 3 COLA. See Response to Incorporation of EP Rule Changes into the Fermi 3 COLA in DTE Letter NRC3-12-0029, dated 12/18/2012 (ML12355A032) for further information.
Supplemental Information S03, "Cross Reference"	Emergency Plan section changes resulting from response to NRC RAI Letter No. 83. See response to NRC RAI 13.03-78 in DTE Letter NRC3-13-0012, dated 4/12/2013 (ML13116A429) for further information.
Appendix 6	Appendix 6 section changes resulting from response to NRC RAI Letter No. 83. See response to NRC RAI 13.03-69 in DTE Letter NRC3-13-0012, dated 4/12/2013 (ML13116A429) for further information.

Fermi 3 COLA Part 10, ITAAC Revision Summary (Rev 4 to Rev 5)

Location	Revision Summary
Table 2.3-1	ITACC For Emergency Planning Table changes resulting from the Incorporation of the Emergency Preparedness Rule Changes into Fermi 3 COLA. See Response to Incorporation of EP Rule Changes into the Fermi 3 COLA in DTE Letter NRC3-12-0029, dated 12/18/2012 (ML12355A032) for further information.
Table 2.3-1	ITACC For Emergency Planning Table changes resulting from the response to NRC RAI Letter 83. See response to RAI 13.03-75 in DTE Letter NRC3-13-0012, dated 4/12/2013 (ML13116A429) for further information.
Section 3.4	Fire Protection Program Actions section changes resulting from the response to NRC RAI Letter No. 86. See response to RAI 01.05-7 in DTE Letter NRC3-13-0025, dated 7/24/2013 (ML13210A079) for further information.
Section 3.5.2	Receipt of Materials sections changes resulting from the supplemental response to NRC RAI Letter No. 88. See Markup of Fermi 3 COLA in DTE Letter NRC3-13-0030, dated 8/30/2013 (ML13260A112) for further information.
Section 3.5.2	Receipt of Materials section changes resulting from response to NRC RAI Letter No. 89. See response to RAI 13.06.01-56 in DTE Letter NRC3-14-0004, dated 2/12/14 for further information.
Section 3.7.1	Proposed License Condition section changes resulting from the response to NRC RAI Letter No. 83. See response to RAI 13.03-67 in DTE Letter NRC3-13-0012, dated 4/12/2013 (ML13116A429) for further information.
Section 3.7.2	Proposed License Condition for On-Shift Staffing section addition resulting from the Incorporation of the Emergency Preparedness Rule Changes into Fermi 3 COLA. See Response to Incorporation of EP Rule Changes into the Fermi 3 COLA in DTE Letter NRC3-12-0029, dated 12/18/2012 (ML12355A032) for further information.
Section 3.7.2	Proposed License Condition section changes resulting from the response to NRC RAI Letter 83. See response to RAI 13.03-66 in DTE Letter NRC3-13-0012, dated 4/12/2013 (ML13116A429) for further information.
Section 3.7.3	Proposed License Condition for ETE section addition resulting from the Incorporation of the Emergency Preparedness Rule Changes into Fermi 3 COLA. See Response to Incorporation of EP Rule Changes into the Fermi 3 COLA in DTE Letter NRC3-12-0029, dated 12/18/2012 (ML12355A032) for further information.
Section 3.8.1	Emergency Planning Actions section changes resulting from the response to NRC RAI Letter No. 84. See supplemental response to RAI 01.05-2 in DTE Letter NRC3-13-0013, dated 4/18/2013 (ML13109A426) for further information.

Fermi 3 COLA Part 10, ITAAC Revision Summary (Rev 4 to Rev 5)

Location	Revision Summary
Section 3.8.1	Emergency Planning Actions section changes resulting from the supplemental response to NRC RAI Letter No. 79. See supplemental response to RAI 13.03-65 in DTE Letter NRC3-13-0016, dated 4/30/2013 (ML13123A076) for further information.
Section 3.8.2	Mitigation Strategies for Beyond-Design-Basis External Events section changes resulting from the Supplemental Response to NRC RAI Letter No. 84. See supplemental responses to RAI 01.05-5 in DTE Letter NRC3-13-0022, dated 7/09/2013 (ML13192A301) for further information.
Section 3.8.3	Reliable Spent Fuel Pool/Buffer Pool Level Instrumentation section changes resulting from the Supplemental Response to NRC RAI Letter No. 84. See supplemental response to RAI 01.05-6 in DTE Letter NRC3-13-0022, dated 7/09/2013 (ML13192A301) for further information.
Section 3.8.3	Reliable Spent Fuel Pool/Buffer Pool Level Instrumentation section changes resulting from the Supplemental Response to RC RAI Letter No. 84. See Markup of the Fermi 3 COLA in DTE Letter NRC3-13-0033, dated 10/15/2013 (ML13311A101) for further information.
Section 3.10	Steam Dryer License Conditions addition resulting from the implementation of ESBWR DCD, Revision 10. See Response in DTE Letter NRC3-13-0034, dated 12/17/13 (ML13353A497) for further information.
Section 3.10	Steam Dryer License Conditions revisions resulting from the submittal of Information Related to Steam Dryer Flow Induced Vibration. See response letter and FSAR Markups in DTE Letter NRC3-14-0003, dated 1/24/2014 (ML14028A176) for further information.