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DTE Energy



10 CFR 50.71(e)
10 CFR 52.3

March 25, 2009
NRC3-09-0006

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 (DTE Energy) 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 Chandu Patel (USNRC) to Jack M. Davis (DTE Energy), "Acceptance for Docketing of the Detroit Edison Company Application for a Combined License for Fermi 3 and Associated Federal Register Notice," dated November 25, 2008
 - 4) Letter from Jack M. Davis (DTE Energy) to USNRC, "Detroit Edison Company Evaluation of North Anna Unit 3 (R-COLA) Responses to NRC Requests for Additional Information," NRC3-09-0002, dated February 16, 2009

Subject: Detroit Edison Company Application for a Combined License for Fermi 3 – Submission 2

In Reference 2, Detroit Edison submitted a Combined License Application (COLA) for Fermi 3 (Submission 1) 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), Revision 4. This application was accepted for docketing by the NRC in Reference 3.

*Incorrect submission
number, process per PM.*

*D079
HLO*

The North Anna COL application has been designated the reference plant COL application (R-COLA) by the ESBWR Design Centered Working Group (DCWG). The Fermi 3 application is a subsequent COL application (S-COLA) which contains standard content from the R-COLA, and designates that content as such within the application. The Fermi 3 S-COLA utilizes, to the maximum practical extent, the standard content contained in the North Anna R-COLA.

GEH has submitted ESBWR DCD, Revision 5 to the NRC and the R-COLA update incorporating ESBWR DCD, Revision 5 has been submitted. This letter forwards Submission 2 of the Fermi 3 S-COLA, which reflects the updated R-COLA and the ESBWR DCD, Revision 5.

Submission 2 of the Fermi 3 COL application is comprised of the following parts:

- Part 1: General and Administrative Information – Revision 1
- Part 2: Final Safety Analysis Report (FSAR) – Revision 1
- Part 3: Environmental Report (ER) – Revision 0
- Part 4: Technical Specifications (TS) – Revision 1
- Part 5: Emergency Plan (E-Plan) – Revision 1
- Part 6: Not Used (reserved for Limited Work Authorization / Site Redress Information)
- Part 7: Not Used (reserved for Departures Report)
- Part 8: Security Plan (Safeguards Information) – Revision 0
- Part 9: Not Used (reserved for plant specific PRA)
- Part 10: Tier 1 / Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) – Revision 0

Changes to Part 1, “General and Administrative Information,” included elimination of the reference to Revision 4 of the ESBWR DCD and updating the status of Michigan energy legislation since the submittal of the application. The entire document is denoted as Revision 1 with the changes identified by revision bars in the margins. A detailed revision summary for the changes to Part 1 is enclosed.

Changes to Part 2, "Final Safety Analysis Report (FSAR)," include those listed below:

- Incorporation of Revision 5 of the ESBWR DCD.
- Incorporation of changes resulting from the standard R-COLA responses to NRC Requests for Additional Information (RAIs) adopted by Detroit Edison in Reference 4.
- Incorporation of changes resulting from applicable site-specific R-COLA RAI responses.
- Incorporation of supplemental information provided during the NRC Acceptance Review relating to groundwater radionuclide transport and stability of subsurface materials.
- Changes resulting from the Detroit Edison response to NRC RAI Letter No. 1 relating to the probabilistic risk assessment.
- Corrections of errors discovered by Detroit Edison subsequent to the submittal of the application.
- Editorial and formatting changes consistent with the R-COLA.

The entire document is denoted as Revision 1 with the changes identified by revision bars in the margins. A detailed revision summary for the changes to Part 2 is enclosed.

No changes to Part 3, "Environmental Report (ER)," were made in Submission 2. The entire document is denoted as Revision 0. Future changes or additions to information provided in the ER, Revision 0 will be provided by separate docketed correspondence to supplement the ER, as required, to support the environmental review. Examples include responses to RAIs or submittal of information to fulfill a commitment made to the NRC.

Part 4, "Technical Specifications (TS)," was revised to incorporate Revision 5 of the ESBWR DCD and to include changes resulting from the resolution of the remaining TS "bracketed items," consistent with the R-COLA. The entire document is denoted as Revision 1 with the changes identified by revision bars in the margins. Please note that the revision bars in the Technical Specifications and Bases section of this document indicate changes from the Generic Technical Specifications and Bases, consistent with the R-COLA. A detailed revision summary for the changes to Part 4 is enclosed.

Changes to Part 5, "Emergency Plan (E-Plan)," consist only of changes resulting from incorporation of supplemental information provided during the NRC Acceptance Review relating to the submittal of current state and county emergency plans. The current versions of the applicable state and county emergency plans, as well as the revised document entitled, "State of Michigan, Monroe County & Wayne County Emergency Management Plan/Review/Cross-Reference to NUREG-0654,

Section II, Evaluation Criteria,” are included as supplemental information to the Fermi 3 Emergency Plan. The Fermi 3 Emergency Plan and its Appendices, the Nuclear Power Plant Development of Fermi Evacuation Time Estimates and the Certification Letters remain unchanged from those submitted in Reference 2 and are denoted as Revision 0 (as applicable). The Cross-Reference to Regulations, Guidance, and State and Local Plans is denoted as Revision 1 with the changes identified by revision bars in the margins. A detailed revision summary for the changes to Part 5 is enclosed.

Part 7, “Departures Report,” is no longer needed since the departures from Revision 4 of the ESBWR DCD identified in Reference 2 are no longer needed with the incorporation of ESBWR DCD, Revision 5. In addition, no variances or exemptions are required for the Fermi 3 COLA.

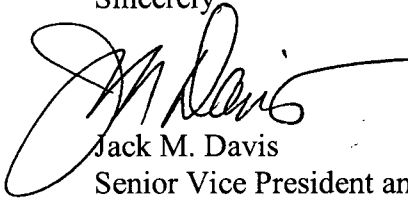
No changes to Part 8, “Security Plan (Safeguards Information),” were made in Submission 2 and the entire document remains as Revision 0. This document is controlled pursuant to 10 CFR 73.21(c) and is therefore not included in this submittal.

No changes to Part 10, “Tier 1 / Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC),” were made in Submission 2. The entire document is denoted as Revision 0.

A complete set of application documents is provided in electronic file format on the two enclosed discs (Enclosures 1 and 2). While the Fermi 3 COL application does not contain proprietary, Sensitive Unclassified Non-Safeguards Information, or other material to be withheld from public disclosure, there are both public and non-public versions of the referenced ESBWR DCD. Accordingly two separate versions of the application are enclosed. The Enclosure 1 disc employs links only to the public version of the ESBWR DCD Revision 5. The Enclosure 2 disc employs links to the non-public version of the ESBWR DCD Revision 5. Both discs include a "packing slip" describing its contents, pursuant to NRC instructions for electronic filing. Appropriate pre-submission checks have been successfully performed on the files for both discs to ensure conformance with the NRC guidelines. The discs have been found acceptable for electronic submittal.

If you have any questions, or need further information, please contact Mr. Peter W. Smith, Director, Nuclear Development-Licensing at (313) 235-3341.

Sincerely,



Jack M. Davis
Senior Vice President and Chief Nuclear Officer
Detroit Edison Company

Enclosures: 1) Fermi 3 COLA DVD, Submission 2 (Public Version)
2) Fermi 3 COLA DVD, Submission 2 (Non-Public Version)
3) Fermi 3 COLA, Submission 2 Revision Summary

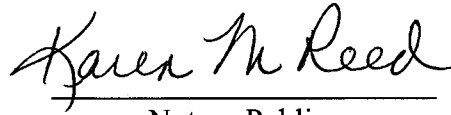
cc: C. P. Patel, NRC Fermi 3 Senior Project Manager (w/o Enclosures)
R. M. Morris, Fermi 2 Senior Resident Inspector (w/o Enclosures)
Regional Administrator, NRC Region III (w/o Enclosures)
Regional Administrator, NRC Region II (w/o Enclosures)
Supervisor, Electric Operators, Michigan Public Service Commission (w/o Enclosures)
Michigan Department of Environmental Quality
Radiological Protection and Medical Waste Section (w/o Enclosures)

I, Jack M. Davis, do hereby affirm that the foregoing statements are based on facts and circumstances which are true and accurate to the best of my knowledge and belief.



JACK M. DAVIS
Senior Vice President
and Chief Nuclear Officer

On this 25th day of March, 2009 before me personally appeared Jack M. Davis, being first duly sworn and says that he executed the foregoing as his free act and deed.



Notary Public



KAREN M. REED
NOTARY PUBLIC, STATE OF MI
COUNTY OF MONROE
MY COMMISSION EXPIRES Sep 2, 2011
ACTING IN COUNTY OF Wayne

**ENCLOSURE 1 TO
NRC3-09-0006**

FERMI 3 COLA DVD, SUBMISSION 2 (PUBLIC VERSION)

One DVD labeled "Detroit Edison Fermi 3 Combined License Application, Submission 2, March 2009 (Public Version)" containing the following:

Fermi 3 Combined License Application, Submission 2, March 2009 without Part 8, Security Plan (with links to ESBWR DCD Revision 5, Public Version)

DVD Packing Slip as Required by NRC for Electronic Submittals

**ENCLOSURE 2 TO
NRC3-09-0006**

FERMI 3 COLA DVD, SUBMISSION 2 (NON-PUBLIC VERSION)

One DVD labeled "Detroit Edison Fermi 3 Combined License Application, Submission 2, March 2009 (Non-Public Version)" containing the following:

Fermi 3 Combined License Application, Submission 2, March 2009 without Part 8, Security Plan (with links to ESBWR DCD Revision 5, Non-Public Version)

DVD Packing Slip as Required by NRC for Electronic Submittals

**ENCLOSURE 3 TO
NRC3-09-0006**

FERMI 3 COLA, SUBMISSION 2 REVISION SUMMARY

Fermi 3 COLA Part 1 Revision Summary
Revision 0 to Revision 1

Section	Changes
1	Corrected date of GEH DCD submittal. Removed reference to DCD R4.
2	Updated list of Detroit Edison principal officers. Removed "most recent" qualifier in reference to financial statements. Clarified statement of availability of decommissioning funds. Updated discussion of state legislation and corrected inconsistencies with financial statements relating to sources of construction funding.

Fermi 3 COLA Part 2 Revision Summary
Revision 0 to Revision 1
(Changes due to incorporation of ESBWR DCD, Revision 5)

Section	Changes
Chapter 1, 1.1-1-A, 1.8.2, 3.7.2.4, 3D, 3E, 6.1, 6.2.1.6, 8.2.4, 13.6.2, 17.3	Updated titles and numbering to align with DCD R5.
1.2.2.16.10	Updated action statement to align with DCD R5.
Table 1.10-201, 2.0, 2.0.1, Tables 2.0-2R & 2.0-201, 2A, Table 2A-4.	Updated to align with DCD R5.
Table 1.9-201	Updated evaluation of SRP Section 6.5.1 to conform to DCD R5 changes.
Table 1.9-201	Revised evaluation of BTP 8-2 to align with DCD R5.
Tables 1.9-201, 1.9-203 & 1.10-201	Updated References to DCD R5. Editorial Corrections.
Table 1.9-202	Changed RG 1.40 to "Conforms" and RG 1.136 to reflect DCD R5 corrections.
Table 1.10-201	Updated to align with DCD R5 changes; revised COL Item 12.3-3-A from Applicant to Holder Item.
Table 1.10-201, 3.11.4.4, 3.11.7, 3.11-1-A	Added reference to DCD EQ program description. Administrative changes to reflect DCD R5 numbering and title changes.
Table 1.10-201, 4.3.3.1, 4.3-1-A, 4A-1	Editorial changes to align with DCD R5. Revised COL Items 4.3-1-A and 4A-1-A.
Table 1.10-201, 5.2.4, 5.2.4.11, 5.2.5, 5.2-1-A, 5.2-2-H, 5.2-3-A	Revised 5.2-1-H to 5.2-1-A. Added Section 5.2.5 to COL Item 5.2-2-H. Added COL Item 5.2-3-A and updated associated content accordingly. Updated to align with DCD R5.
Table 1.10-201, 6.1	Incorporated the deletion of COL Item 6.1.3-1-A in DCD R5.
Table 1.10-201, 6.2.4.2, 6.2-1-H	Updated to align with DCD R5 changes related to COL Item 6.2-1-H.
Table 1.10-201, 6.6, 6.6.2, 6.6.7, 6.6.7.1.1, 6.6.7.1.2, 6.6.7.1.4, 6.6.7.1.5, 6.6.7.1.6, 6.6.7.1.7, 6.6-2-A, 6.6.12	Added COL Item 6.6-2-A to align with DCD R5.
Table 1.10-201, 9.1.1.7, 9.1.4.13, 9.1.4.19, 9.1.5.8, 9.1-4-A	Added Section 9.1.1.7. Revised COL Item 9.1.6-4 to 9.1-4-A to align with DCD R5.
Table 1.10-201, 9.2.5, 9.2.5-1-H	COL Item 9.2.5-1-A changed to 9.2.5-1-H in DCD R5.
Table 1.10-201, 9.5.1.12, 9.5.1.15.3, 13.1-1-A	Updated References to align with DCD R5.

Fermi 3 COLA Part 2 Revision Summary
Revision 0 to Revision 1
(Changes due to incorporation of ESBWR DCD, Revision 5)

Section	Changes
Table 1.10-201, 11.4.1, 11.4.2.3.5, 11.4-1-A, 11.4-2-A, 11.4-3-A	Updated to align with DCD R5. Editorial changes.
Table 1.10-201, 12.2.1.5, 12.2-4-A	Revise Table 1.10-201 and Section 12.2.1.5 to address COL Information Item 12.2-4-A, as a result of response to R-COLA RAI 12.02-4, DCD R5 added COL Item 12.2-4-A to the DCD for consistency.
Table 1.10-201, 16.0.1, 16.0-1-A, 16.0-2-H.	Updated to align with DCD R5 COL Items 16.0-1-A & 16.0-2-H.
Table 1.10-201, 13.6.1.1.3, 13.6.1.1.5, 13.6.1.1.8, 13.6.2, 13.6.3	Updated to align with DCD R5 changes. Added 10 new COL Items to Section 13.6.
Table 1.10-201, 14.2.2.1, 14.2.2.2, 14.2.7, 14.2.9, 14.2.10	Updated to align with DCD R5 changes related to new COL Items for Section 14.2.
Table 1.10-201, 14.3A	Added Appendix 14.3A to align with DCD R5
Table 1.10-201, 17.4.1, 17.4.6, 17.4.9, 17.4.10, 17.4.13, 17.4-1-H	Updated to Reflect DCD R5 changes to COL Item 17.4-1-A.
Figure 2.1-203, Figure 2.1-204, Figure 2.4-211, Figure 2.4-214, Figure 2.4-215, Figure 2.4-217 and Figure 2.4-218	Updated to align with DCD R5 changes. Ancillary Diesel Building addition.
Table 2.2-203	Added Ancillary Diesel Building data.
Tables 2.5.4-224, 2.5.4-226, 2.5.4-227, 2.5.4-231 & 2.5.4-232. Figures 2.5.4- 226, 2.5.4-228 & 2.5.4-229	Updated to align with DCD R5 changes. Ancillary Diesel Building addition.
3.7.2.8	Updated action statement to account for DCD R5 changes.
3.10.1.4, 3.10.4	Revised commitment to provide an implementation schedule for seismic and dynamic qualification of mechanical and electrical equipment. Updated title to DCD R5.
Appendix 6B	Updated Title per DCD R5.
Appendix 6D, 6E, 6F, 6G, 6H, 6I	Added to reflect DCD R5 addition of appendices.
Figure 9A.2-33R	Revised site plot plan to include Ancillary Diesel Building.
Table 9.2-201	Updated to align with DCD R5 related to valve and strainer terminology, cooling tower capacity and elimination of AOVs.

Fermi 3 COLA Part 2 Revision Summary
 Revision 0 to Revision 1
 (Changes due to incorporation of ESBWR DCD, Revision 5)

Section	Changes
Table 1.10-201, 17.4.1, 17.4.6, 17.4.9, 17.4.10, 17.4.13, 17.4-1-H	Updated to Reflect DCD R5 changes to COL Item 17.4-1-A.
9.2.3.2	Aligned terminology with DCD R5 related to shutdown/refueling /startup and demineralized water tank storage.
9.5.1.4	Updated to align with DCD R5 changes related to the capacity of secondary firewater source.
9.5.1.15.6, 9.5.1-8-A	Aligned titles with DCD R5.
9.5.4.2	Updated to align with DCD R5 related to material and corrosion protection for underground systems.
9.5.5	Corrected title to agree with DCD R5.
Table 10.4-3R	Changed to reflect DCD R5 changes.
11.2.2.3.3	Changed Action statement to agree with DCD R5 changes.
12.1.1.3.1, 12.1.1.3.2, 12.1.1.3.3, 12.1.3, 12.1-1-A, 12.1-2-A, 12.1-3-A, 12.1-4-A	Added supplements to address ALARA DCD R5 COL Items 12.1-4-A, 12.1-1-A, 12.1-2-A, & 12.1-3-A.
12.4.7.1	Changed section number from 12.4.6.1 to 12.4.7.1 to align with DCD R5 Section 12.4 changes.
12B	Added to reflect DCD R5 addition of Appendix 12B.
13.3	Updated to align with DCD R5.
14.3-1-A	Defined EP-ITAAC.

Fermi 3 COLA Part 2 Revision Summary
Revision 0 to Revision 1
(Additional Changes)

Section	Changes
1.1.1.7, 1.1.1.9, 1.1.2.1, 1.1.2.2, 1.1.2.4, Table 1.1-201, 14.3A-1-1	Editorial changes.
Table 1.9-202	Updated/corrected RG 1.26 and 1.29 conformance evaluations.
Table 1.10-201, 5.3.1.5	Revised for future submittal of PTLR curves.
Tables 1.9-202 & 1.9-203	Implementation of R-COLA RAI 12.03-12.04-9
9.5.4.2	Implementation of R-COLA RAI 09.05.04-6
1.1, 1.1.1.1, 1.1.1.5, 1.1.1.6, 1.1.1.7, 1.1.1.8, 1.1.1.11, 1.1.2.1, 1.1.2.2, 1.1.2.4, 1.1.2.8, 1.2.2.12.13, 1.2.2.19, Table 1.1-201, 1.3, 1.4, Table 1.6-201, 1.7, 1.7.1, 1.7.2, Tables 1.7-201 & 1.7-202, 1.8.2, Tables 1.8-201 & 1.8-202	Modified LMAs. Deleted NEI 03-12, Appendix F and NEI 06-06. Editorial changes added CDI entries for Zinc Injection System.
1.1.2.7	Revised estimated gross and net electrical power output.
1.1.2.8	Editorial changes to estimated key construction and operation milestone descriptions.
1.8.4	Editorial addition.
Table 2.2-203	Updated chemicals and chemical quantities for Fermi 2 & 3.
1.3.1	Changed title of 1.3.1.
Tables 1.6-201, 1.9-201, & 1.9-203; 13BB	Updated NEI 06-13A to Rev. 1. Incorporated NEI 06-13A, Rev. 1.
Table 1.6-201, 11.4.2.3, 11.4.7	Corrected NEI 07-10 title and revision.
Tables 1.8-202 & 1.10-201, 11.2, 11.2.2.3, 11.4, 11.4.2.3.5, 11.4-1-A, Table 11.5-201	Changed "mobile" liquid and solid radwaste systems to "process" systems.
1.9.2, 1.9.3, Tables 1.9-201, 1.9-202, 1.9-203 & 1.9-205, 1.11.1, 1C.1	Miscellaneous clarifications and corrections.
Tables 1.9-201 & 1.9-202	Revised conformance evaluation for SRP 5.4.13 acceptance criterion 4 (Table 1.9-201) and for RG 1.93 (Table 1.9-202).
Table 1.9-201	Updated turbine model number.
Tables 1.9-201 & 1.9-202, 14.2.9.1.3	Implementation of R-COLA RAI 14.02-5, Personnel Monitors and Radiation Survey Instruments
Tables 1.9-201 & 1.9-202	Implementation of R-COLA RAI 14.02-6, Site-Specific Preoperational Test

Fermi 3 COLA Part 2 Revision Summary
Revision 0 to Revision 1
(Additional Changes)

Section	Changes
Table 1.9-202	Implementation of R-COLA RAI 03.02.01-3, RG 1.29 Revision Clarification
Table 1.9-202	Implementation of R-COLA RAI 08.03.02-2, RGs 1.41, 1.128, 1.129 Conformance Clarification
Tables 1.9-202	Added an exception to RG 1.8 in Table 1.9-202. Revised NQA-1 year/title in table.
Table 1.9-202	Implementation of R-COLA RAI 03.09.02-2, FIV Program Schedule for Reactor Internals
Table 1.9-202. 13.1.2.1.4, 13BB	Implementation of R-COLA RAI 13.01.02-13.01.03-1, Fire Protection Organization
Table 1.9-202	Implementation of R-COLA RAI 03.02.02-1, RG 1.26 Revision Clarification
Table 1.9-203	Added conformance evaluations for RG Positions C.III.1.5.4.3 through C.II I.1.5.4.13.
Table 1.10-201	Corrected referenced section for COL Item 8.2.4-5-A.
Table 1.10-201, 3.6	Deleted COL Item 3.6.5-1-A
Table 1.10-201, 5.2.4.3.4, 5.2.4.6, 5.2-1-A, 6.6.6	Editorial corrections related to COL Item 5.2-1-A.
9.5.1.15.2, 9.5.1-9-A	Implementation of R-COLA RAI 09.05.01-1, Fire Protection Program Change Process
Table 1.10-201, 9.5.2.2, 9.5.2.5-1-A, 9.5.2.5-2-A, 9.5.2.5-3-A, 9.5.2.5-4-A, 9.5.2.5-5-A	Changed COL Item 9.5.2.5-1-A to Emergency Notification System. Added COL Item 9.5.2.5-3-A.
Table 1.10-201, 10.2.3.4, 10.2.5	Added description of plant-specific turbine maintenance and inspection program. Acknowledged permission to use bounding property values in turbine missile evaluations until actual material specimens are available.
Table 2.0-201	Updated to reflect GEH analysis. Added Fuel Building information, Added Radwaste Building unfiltered inleakage information, deleted Fuel Building Cask Doors information, and added Reactor Building TSC information.
Tables 2.1-216 & 2.1-217	Corrected population density errors.
2.3.4.3	Added new text to section 2.3.4.3. Removed Tables 2.3-301 & 2.3-302 and added new Appendix 2A. Updated values in Table 2.3-303.

Fermi 3 COLA Part 2 Revision Summary
Revision 0 to Revision 1
(Additional Changes)

Section	Changes
2.4.13	New text added for discussion of analysis of accidental release of radioactive liquid effluent in ground and surface water (Detroit Edison letter NRC3-08-0008).
2.5.4.3	New text added for discussion of lean concrete fill (Detroit Edison letter NRC3-08-0005).
2.5.4.5.2	New text added for discussion of diaphragm concrete wall (Detroit Edison letter NRC3-08-0005).
2.5.4.5.4.2	New text added for discussion of lean concrete fill (Detroit Edison letter NRC3-08-0005).
2.5.4.5.6	New text added for settlement monitoring during construction (Detroit Edison letter NRC3-08-0005).
Table 1.10-201, 11.5.4.6, 11.5.4.7, 11.5-1-A, DCD Table 11.5-2, DCD Table 11.5-4	Editorial corrections related to title changes and to add description of process radiation monitoring procedures.
Table 1.10-201, 12.5-2-A	Changed title of COL Item 12.5-2-A.
Tables 1.10-201 & 13.4-201, 6.6, 6.6.2, 6.6.7.1	Added new COL Item. Implementation of R-COLA RAI 10.03.06-1 added description of augmented ISI program. Implementation of R-COLA RAI 10.03.06-2 added discussion of controls to ensure accessibility for PSI and ISI NDE, and added reference to FAC program.
Table 1.10-201, 18.13, 18.13.3, 18.13.5	Added COL Item 18.13-1-H.
3.2, 4.2, 9.3.10.2, 9.5.1.4	Added metric values and deleted STD COL 4.2.6 from Section 4.2.
3.7.1.1, 3.12	Editorial changes.
3.9.3.7.1(3)e, 3.9.3.7.1(3)f, 3.9.6, 3.9.6.1, 3.9.6.1.4, 3.9.6.1.5, 3.9.6.5, 3.9.6.6, 3.9.6.7, 3.9.6.8, 3.9.8, 3.9.10, Table 13.4-201	Expanded IST Program description.
3.9.3.7.1(3)f, 3.10.1.4, 3.11.2.2, 3.11-1-A, 3.12	Added supplement separator line. Corrected EQD definition. Added dotted lines to signify supplement information within a supplement.
3.9.3.7.1(3)f	Update reference to Snubber ITAAC table.
3.9.6.8	Dynamic/Static Testing of AOVs. Clarified IST description for other than air-operated and power-operated valves.

Fermi 3 COLA Part 2 Revision Summary
Revision 0 to Revision 1
(Additional Changes)

Section	Changes
3.10.1.4, 3.10.4	Added commitment to provide an implementation schedule for seismic and dynamic qualification of mechanical and electrical equipment.
3.11-1-A	Editorial correction.
3.11.4.4	EQ Process Implementation; DCD EQ Approach Implementation; & Additional EQ Approach Implementation
4.2, 4.3, 4A	Editorial changes.
4.2	Revised to be all Incorporated By Reference (IBR). Editorial changes. Deleted COL Item 4.2.6.
5.2.1.1	ASME BPV Code & ASME OM Code.
5.2.1.2	ASME BPV/OM Codes Code Cases not in DCD
5.2.4, 5.2.4.2	PSI Exams Equivalent to Inservice Inspection (ISI) Exams.
5.2.4.3.4, 5.2.4.6, 6.6.6	Incorporating Limits of 10 CFR 50.55a(b)(2).
5.2.5.9	Leak Detection Monitoring. Restored sentence proposed to be deleted per R-COLA RAI 05.02.05-1.
5.3.1.5	Revised Section 5.3.1.5 for future submittal of PTLR curves.
5.3.1.8, 5.3.1.8.1, 5.3.1.8.2, 5.3.1.8.3, 5.3.1.8.4, Table 5.3-201	Revised Section 5.3.1.8 and added Table 5.3-201 to include information provided in response to R-COLA RAI 5.3.1-1.
6.2.4.2, 6.4.4	Corrected LMA. Editorial change.
6.4.5	Revised action statement to delete reference to last paragraph of DCD Section 6.4.5. Updated to reflect GEH analysis.
6.6.7.1.3	Replaced "initial inspections" with "preservice inspections."
6.6.10.2	Editorial changes.
8.2.1.2, 8.2.1.2.1, 8.2.1.2.2, 8.2.2.1, 8.2.4-5-A, Figures 8.2-201, 8.2-202 & 8.2-203, 8.3.2.1.1, 8A.2.1	Editorial changes.
9.1.4.13, 9.1.4.19	Editorial changes.
9.1.5.6	Size and rating requirements for slings
9.1.5.9, 9.1-5-A	Heavy load equipment outside scope of DCD.

Fermi 3 COLA Part 2 Revision Summary
Revision 0 to Revision 1
(Additional Changes)

Section	Changes
9.2.1.2; Tables 9.2-201, 9.2-202, 9.2-203, & 9.2-204; Figures 9.2-201, 9.2-202, 9.2-203, 9.2-204, & 9.2-205; 9.3.9.1, 9.3.9.2, 9.3.9.2.1, 9.3.9-2-A, 9.5.1.4, 9.5.1-1-A, DCD Table 9.5-2, 9.5.4.2, 9A.4.7	Corrected and added LMAs. Corrected section titles. Added commitment to update FSAR with detailed fire hazards analysis information.
9.2.1.2	PSWS material selections based on water quality.
Figure 9.2-204	Revised to reflect Plant Cooling Tower Makeup System design changes.
9.3.2.2	Implementation of R-COLA RAI 09.03.02-1, Sampling Containment Atmosphere
9.5.1.4	Implementation of R-COLA RAI 09.05.01-8, Quality of Fire Water Sources
9.5.4.2	Implementation of R-COLA RAI 09.05.01-15. Editorial changes.
Table 9.5-201	Added NFPA Codes and NEIL references.
Figure 9.5-201	Added Left Margin Annotation (LMA).
9.5.1.15.6	Implementation of R-COLA RAI 09.05.01-5, Control of Combustibles in Rooms Adjacent to MCR; R-COLA RAI 09.05.01-6, Control of Combustibles Below Floor in MCR Complex; R-COLA RAI 09.05.01-7, Control of Combustibles in Computer Rooms; & R-COLA RAI 09.05.01-13, Storage of Hazardous Chemicals
9.5.1.15.9	Implementation of R-COLA RAI 09.05.01-11, Fire Protection Program QA
9.5.4.2	Implementation of R-COLA RAI 09.05.04-2, Diesel Fuel Oil for Seven-Day Loaded Run & R-COLA RAI 09.05.04-4, Fuel Oil Transfer System Corrosion Control
9A.2.1	Deleted reference to Tables 1.9-202 & 1.9-203.
Figure 9A.2-201	Added LMA.
10.2.3.4	Updated turbine model number.
10.2.3.6	Section inserted for new COL Item 10.2-1-A, Turbine Rotor Maintenance
10.2.3.8	Section inserted for new COL Item 10.2-2-A, Turbine Missiles.
10.4.5.2.1, 10.4.5.2.2	Implementation of R-COLA RAI 10.04.05-1, Circulating Water Large Bore Piping Codes and Failures

Fermi 3 COLA Part 2 Revision Summary
Revision 0 to Revision 1
(Additional Changes)

Section	Changes
10.4.5.5	Corrected Circulating Water minimum inlet temperature.
Table 10.4-201	Corrected units of conductivity.
Figures 10.4-201 & 10.4-202	Added LMAs.
11.2.1	Added Liquid Waste Cost Benefit Analysis.
11.2.2.3.3	Implementation of R-COLA RAI 11.02-2, LWMS: Sampling Non-Radioactive Systems
11.3.1	Added Gaseous Waste Cost Benefit Analysis.
11.4.1	Implementation of R-COLA RAI 11.04-1A, Solid Waste - Cost Benefit Analysis.
11.4.2.3.5	Implementation of R-COLA RAI 11.04-2, SWMS & Sampling Non-Radioactive Systems
11.5.4.9	Added "sampling and analytical" to "frequencies" with respect to discussion radioactive gaseous and liquid wastes.
12.2.1.5	Implementation of R-COLA RAI 12.02-6, Additional Contained Source Uses; Corrected LMA delimiters to reflect Section 12.2.1.5, Other Contained Sources, as DCD item.
12.3, 12A	Deleted LMA. Added 1 mrad = 0.01 mGy conversion. Editorial changes.
12.5, 12.5.4	Editorial changes.
12BB	Implementation of R-COLA RAI 12.03-12.04-2, Very High Radiation Area Drawings; RAI NA3 12.05-2, Site-Specific Alterations to NEI 07-03; and editorial changes.
Figure 13.1-201, 13.6.2, 13AA	Corrected LMAs.
13.5, 13.5.1, 13.5.2, 13.5.2.1, 13.5.2.1.1, 13.5.2.1.2, 13.5.2.1.3, 13.5.2.1.4, 13.5.2.1.5, 13.5.2.1.6, 13.5.2.1.7, 13.5.2.2.1, 13.5.2.2.2, 13.5.2.2.3, 13.5.2.2.4, 13.5.2.2.5, 13.5.2.2.6, 13.5.2.2.6.2, 13.5.2.2.6.4, 13.5.2.2.6.5, 13.5.2.2.7, 13.5.2.2.8, 13.5.2.2.9, 13.5-5-A, 13.5-5-A, 13.5-6-H	Corrected LMA applicability and delimiter notations. Revised 13.5.2.2.6.5 to reference Section 9.1.5.8. Corrected COL Information titles for 13.5-5-A and 13.5-6-H.
13.5.2.1.4	Implementation of R-COLA RAI 13.05.02.01-3, P-STGs from GTGs; R-COLA RAI 13.05.02.01-4, P-SWG re: EOPs and P-STGs. Editorial corrections.
13.5.2.2.1	Implementation of R-COLA RAI 13.05.02.01-1, Management of Radioactive Waste

Fermi 3 COLA Part 2 Revision Summary
 Revision 0 to Revision 1
 (Additional Changes)

Section	Changes
13.7, 13.7-202	Deleted reference to 10 CFR 26.
Table 13.4-201	Corrected entries in the Section column. Deleted the reference to a construction test program in Item 19. Consolidated snubber testing and inspection information into new item 20.
14.2.1.4, 14.2.7, 14.2.9, 14.2.9.1.1, 14.2.9.2.1	Changed supplements from STD to site-specific. Added reference to Initial Test Program implementation milestones. Clarified treatment of startup test procedures. Editorial changes.
14.2.2.1, 14AA	Implementation of R-COLA RAI 14.02-3, Initial Test Program Administrative Document
14.2.8.1.36	Implementation of R-COLA RAI 14.02-1, Initial Plant Test - Switchyard Components
14.2.9.1.4	Implementation of R-COLA RAI 14.02-1, Initial Plant Test - Switchyard Components
14AA	Implementation of R-COLA RAI 14.02-3, Initial Test Program Administrative Document
14AA.3.4	Implementation of R-COLA RAI NA3 14.02-7, Subsection 14.AA.3.4 - License Amendment
17.0, 17.2, 17.2.1, 17.3, 17.3.1, 17.5	Changed supplements from STD to site-specific. Added reference to Operational QA Program implementation milestones.
17.6.3	Deleted incorrect cross-references to other FSAR sections.
17BB	Implementation of R-COLA RAI 17.05-4, QAPD Organization Charts; R-COLA RAI 17.05-5, Correct CFR Citation to 10 CFR 52.79(a)(27); & R-COLA RAI 17.05-6, Commitment to RG 1.137
19.5	Fermi 3 RAI 19-1, PRA Licensing (Detroit Edison Letter NRC3-09-0001)
19AA	Fermi 3 RAI 19-1, PRA Licensing (Detroit Edison Letter NRC3-09-0001)

Fermi 3 COLA Part 4 Revision Summary
Revision 0 to Revision 1

Section	Changes
All	Updated to align with DCD R5.
Introduction	Added LMAs and delimiters.
Technical Specifications and Bases Incorporated by Reference (IBR) and COL Information Item completion table	Deleted.

Fermi 3 COLA Part 5 Revision Summary
Revision 0 to Revision 1

Section	Changes
Supplemental Information	Replaced portion of Cross-Reference to Regulations, Guidance, and State and Local Plans with updated information from resubmitted state and county emergency planning documents (Detroit Edison letter NRC3-08-0009).
State and Local Emergency Planning Documents	Replaced Monroe County Emergency Plan, Wayne County Operations Plan, and Michigan Department of Environmental Quality Nuclear Facilities Emergency Management Plan (NFEMP) with updated documents (Detroit Edison letter NRC3-08-0009).