



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

REGION III
2443 WARRENVILLE RD. SUITE 210
LISLE, IL 60532-4352

August 17, 2015

Mr. Paul Fessler
Chief Nuclear Officer
DTE Energy Company
Fermi 2 - 210 NOC
6400 North Dixie Highway
Newport, MI 48166

**SUBJECT: FERMI POWER PLANT – NOTIFICATION OF NRC INSPECTION AND
REQUEST FOR INFORMATION**

Dear Fessler:

On September 28, 2015, the U.S. Nuclear Regulatory Commission (NRC) will begin the Baseline Inservice Inspection Procedure 71111.08. This onsite inspection is scheduled to be performed September 28 – October 2, 2015.

Experience has shown that this inspection is resource intensive for both, the NRC inspector and your staff. In order to minimize the impact to your onsite resources, and to ensure a productive inspection for both sides, we have enclosed a request for documents needed for this inspection. These documents have been divided into two groups.

The first group identifies information necessary to ensure that the inspector is adequately prepared. The second group identifies the information the inspector will need upon arrival at the site. It is important that all of these documents are up-to-date, and complete, in order to minimize the number of additional documents requested during the preparation and/or the onsite portions of the inspection.

We have discussed the schedule for inspection activities with your staff and understand that our regulatory contact for this inspection will be Mr. S. Ward, of your organization. If there are any questions about this inspection or the material requested, please contact the lead inspector Mr. T. Bilik at (630) 829-9744, or via e-mail at Tom.Bilik@nrc.gov.

This letter does not contain new or amended information collection requirements subject to the Paperwork Reduction Act of 1995 (44 U.S.C. 3501 et seq.). Existing information collection requirements were approved by the Office of Management and Budget, Control Number 3150-0011. The NRC may not conduct or sponsor, and a person is not required to respond to, a request for information or an information collection requirement unless the requesting document displays a currently valid Office of Management and Budget Control Number.

P. Fessler

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In accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) 2.390, "Public Inspections, Exemptions, Requests for Withholding," of the NRC's "Rules of Practice," a copy of this letter, its enclosure, and your response (if any) will be available electronically for public inspection in the NRC's Public Document Room or from the Publicly Available Records (PARS) component of the NRC's Agencywide Documents Access and Management System (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Sincerely,

/RA/

David E. Hills, Chief
Engineering Branch 1
Division of Reactor Safety

Docket No. 50-341
License No. NPF-43

Enclosure:
Inservice Inspection Document Request

cc w/encl: Distribution via LISTSERV®

Inspection Report: 05000341/2015004

Inspection Dates: September 28 – October 2, 2015

Inspection Procedures: Inspection Procedure 71111-08, "Inservice Inspection"

Lead Inspector: Tom Bilik, DRS
(630) 829-9744
Tom.Bilik@nrc.gov

A. *Information for the in-office preparation week*

The following information (electronic copy CD ROM if possible) is requested by September 21, 2015, to facilitate the selection of specific items that will be reviewed during the onsite inspection week. The inspector will select specific items from the information requested below, and request a list of additional documents needed onsite to your staff. We request that the specific items selected from the lists be available and ready for review on the first day of inspection. If you have any questions regarding this information, please call the inspector as soon as possible.

1. For the upcoming outage, a detailed schedule and description of:
 - a. Non-Destructive Examinations (NDEs) planned for Class 1 and 2 Systems and containment, performed as part of your American Society of Mechanical Engineers (ASME) Code Inservice Inspection (ISI) Program (include edition and addenda of Code committed to), and NDEs planned for other systems performed as part of a Risk-Informed (RI)-ISI Program, or other augmented inspection programs commitments, as part of an industry initiative. For each weld examination, include the weld identification number, description of weld (component name), category, class, type of exam and procedure number, and date of examination; and
 - b. Welding on Code Class 1, 2, or 3 components.
2. A copy of the NDE procedures and welding procedures used to perform the activities identified in A.1 (including NDE calibration and flaw characterization/sizing procedures and Welding Procedure Qualification Records). For ultrasonic examination procedures qualified in accordance with Appendix VIII, of Section XI of the ASME Code, provide documentation supporting the procedure qualification (e.g., the Electric Power Research Institute performance demonstration qualification summary sheets).
3. A copy of ASME Section XI, Code Relief Requests applicable to the examinations identified in A.1. A copy of the ten-year ISI Program showing those required exams scheduled to be performed this outage, and those which have been completed
4. A list identifying NDE reports (ultrasonic, radiography, magnetic particle, or dye penetrant), which have identified relevant indications on Code Classes 1 and 2 Systems since the beginning of the last refueling outage.

Enclosure

5. List with short description of the welds in Code Class 1 and 2 Systems, which have been fabricated due to component repair/replacement activities since the beginning of the last refueling outage and identify the system, weld number, and reference applicable documentation (e.g., NIS-2 forms with definitions of system and component acronyms).
6. If reactor vessel weld examinations required by the ASME Code are scheduled to occur during the inspection period, provide a detailed description of the welds to be examined, and the extent of the planned examination.
7. List with description of ISI related issues such as piping degradation or damage (e.g., cracks, wall thinning, wear, microbiologically induced corrosion) or errors identified in piping examinations that have been entered into your corrective action system since the beginning of the last refueling outage. Also, include a list of corrective action records associated with foreign material introduced/identified in the reactor vessel or reactor coolant system since the beginning of the last refueling outage.
8. Copy of any Title 10, *Code of Federal Regulations*, Part 21 Reports applicable to your structures systems or components within the scope of Section XI of the ASME Code that have been identified since the beginning of the last refueling outage.

B. *Onsite information to be Provided to the Inspector on the First Day of the Inspection (e.g., Following the Entrance Meeting). Please Provide Hard Copies (e.g., Paper Records) of the Following Documents.*

1. For welds selected by the inspector from A.1.b and A.6 above, provide copies of the following documents:
 - a. Document of the weld number and location (e.g., system, train, branch);
 - b. Document with a detail of the weld construction (e.g., drawing);
 - c. Applicable Code Edition and Addenda for construction of the weldment (e.g., B31.1 or ASME Section III);
 - d. Applicable Code Edition and Addenda for weld procedure qualification;
 - e. Applicable weld procedures (WPS) used to fabricate the welds;
 - f. Copies of procedure qualification records (PQRs) supporting the WPS;
 - g. Copies of welders' performance qualification records;
 - h. Copies of mechanical test reports identified in the PQRs above;
 - i. Copies of the non-conformance reports for the selected welds;
 - j. Access to radiographs and equipment to view radiographs of the selected welds; and
 - k. Copies of the pre-service examination records for the selected welds.

2. For the ISI related corrective action issues selected by the inspector from A.8 above, provide a copy of the corrective actions and supporting documentation.
3. For the NDE reports with relevant indications on Code Class 1 and 2 Systems selected by the inspector from Item A.5 above, provide a copy of the examination records and associated corrective action documents.
4. Updated schedules for Item A.1 (including schedule showing contingency repair plans if available).
5. Fabrication Drawings (D size) of the reactor vessel welds if any are to be examined during the outage. Also provide any drawings used by NDE vendors to locate these welds.
6. Provide copies of the following standards at the onsite NRC inspection location for the duration of the inspection:
 - a. Sections V, IX, and XI of the ASME Code with Editions applicable to the Inservice Inspection Program and the Repair/Replacement Program; and
 - b. Copy of the Performance Demonstration Initiative (PDI) generic procedures with the latest applicable Revisions that support site qualified ultrasonic examination of piping welds and components (e.g., PDI-UT-1, PDI-UT-2, PD-UT-3, PDI-UT-10 etc.).
7. Provide training (e.g., Scaffolding, Fall Protection, foreign material exclusion) if required to access the NDEs selected by the inspector for observation.

If you have questions regarding the information requested, please contact the lead inspector.

P. Fessler

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Sincerely,

/RA/

David E. Hills, Chief
Engineering Branch 1
Division of Reactor Safety

Docket No. 50-341
License No. NPF-43

Enclosure:
Inservice Inspection Document Request

cc w/encl: Distribution via LISTSERV®

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