



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

March 20, 2019

LICENSEE: DTE Electric Company
FACILITY: Fermi 2
SUBJECT: SUMMARY OF FEBRUARY 19, 2019, PUBLIC MEETING WITH DTE ELECTRIC COMPANY REGARDING UPCOMING LICENSE AMENDMENT REQUEST TO AMEND THE LICENSE BASIS TO ACCEPT THE ADDITIONAL DEBRIS SOURCES (EPID L-2019-LRM-0007)

On February 19, 2019, a Category 1 public meeting was held between the U.S. Nuclear Regulatory Commission (NRC) staff and representatives of DTE Electric Company (DTE, or the licensee). The purpose of the meeting was to discuss Fermi 2's upcoming license amendment request (LAR) which would request to amend the license to accept the debris sources beyond the current design basis.

The meeting notice can be found in the Agencywide Documents Access and Management System (ADAMS) at Accession No. ML19038A053. The attendance list for the meeting is enclosed. The licensee's presentation slides are available at ADAMS Accession No. ML19045A269.

NRC/DTE Discussion

The NRC staff and DTE discussed items that would be important to include in the LAR. The discussion between the NRC and DTE included the following:


- The NRC staff described the need to address the principles of risk-informed decision making (e.g., defense-in-depth, safety margin, performance monitoring) in the LAR, to quantify and address uncertainty (e.g., use of loss of coolant accident frequencies from NUREG-1829), and discuss assumptions regarding the risk evaluation.
- The NRC staff stated that the analysis for the LAR that Fermi 2 is performing should include sensitivity studies to help assess uncertainties. The staff suggested that the licensee review the docketed information regarding the use of risk in assessing the effects of debris on long-term cooling submitted to the NRC by other power plants.
- The NRC staff stated that it will be validating the modeling performed for debris generation and transport to the emergency core cooling system strainers.
- The NRC staff stated that even if a break is isolated quickly, the damage to the insulation within the zone of influence probably had occurred prior to the isolation. This should be addressed in the analysis.

- DTE clarified that the sensitivity studies for coatings and labeling will be done to define new licensing basis limits for these debris types. The staff stated that the 1/8 inch threshold assumption mentioned for the coatings sensitivity study would need to be justified.
- DTE provided clarifications regarding the content of their presentation. These clarifications were beneficial to the NRC staff in understanding the proposed path forward.
- DTE stated that it expects to submit the LAR in fall of 2019

Two members of the public participated in the meeting by teleconference. One member of the public referenced a recent NRC inspection finding of debris in the torus. The staff responded that NRC will be following up with the licensee to ensure that the recommended corrective actions are taken. Another member of the public was concerned that an operator may take actions that could make things worse. The staff explained that the failure of operators to take beneficial actions is modeled and that staff's risk-informed decision-making includes consideration of defense-in-depth as well as safety margins thereby not relying solely on such operator actions.

No regulatory decisions or commitments were made during the meeting.

Please direct any inquiries to me at 301-415-8004, or Sujata.Goetz@nrc.gov.



Sujata Goetz, Project Manager
Plant Licensing Branch III
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-341

Enclosure:
List of Attendees

cc: Listserv

LIST OF ATTENDEESFEBRUARY 19, 2019 PUBLIC TELECONFERENCE MEETINGWITH DTE ELECTRIC COMPANY

NAME	ORGANIZATION
Sue Goetz	NRC/NRR/DORL/LPL3
Josh Whitman	NRC/NRR/DSS/SNPB
Reed Anzalone	NRC/NRR/DSS/SRXB
Josh Wilson	NRC/NRR/DSS/SRXB
Yuri Orechwa	NRC/NRR/DSS/SNPB
Mehdi Reisi Fard	NRC/NRR/DRA/APLB
Shilp Vasarada	NRC/NRR/DRA/APLB
Steven Jones	NRC/NRR/DSS/SCPB
Steve Smith	NRC/NRR/DSS/STSB
Scott Maglio	DTE Electric Company
Jason Haas	DTE Electric Company
Phillip Summers	DTE Electric Company
Christopher Vukonich	DTE Electric Company
Kendra Hullum-Lawson	DTE Electric Company
Rondi Sloan	DTE Electric Company
Robert Choromokos	DTE Electric Company
Bruce Leittier	DTE Electric Company
Kent Sutton	DTE Electric Company

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ADAMS Accession Nos.:

Package: ML19058A246

Meeting Notice: ML19038A053

Slides: ML19045A269

Meeting Summary: ML19058A246

OFFICE	NRR/DORL/LPL3/PM	NRR/DORL/LPL3/LA	NRR/DSS/SNPB/BC	NRR/DSS/STSB/BC
NAME	SGoetz	SRohrer	RLukes	VCusumano
DATE	2/26/19	2/27/19	2/25/19	2/26/19
OFFICE	NRR/DSS/DRA/BC	NRR/DORL/LPL3/BC	NRR/DORL/LPL3/PM	
NAME	MReisi Fard	DWrona	SGoetz	
DATE	2/26/19	3/20/19	3/20/19	

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