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DTE Energy



10 CFR 50.12
RIS 2006-03

November 15, 2010
NRC-10-0078

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

- References:
- 1) Fermi 2
NRC Docket No. 50-341
NRC License No. NPF-43
 - 2) Detroit Edison's Letter to NRC, "Fermi 2 Exemption Request from the Biennial Emergency Preparedness Exercise Requirement in 10 CFR 50, Appendix E, Section IV.F.2.b," NRC-10-0061, dated August 3, 2009
 - 3) Detroit Edison's Letter to NRC, "Response to Request for Additional Information Regarding Fermi 2 Exemption Request from the Biennial Emergency Preparedness Exercise Requirement in 10 CFR 50, Appendix E, Section IV.F.2.b," NRC-10-0074, dated October 22, 2010

Subject: Transmittal of Emergency Preparedness Drill Information
Conducted at Fermi 2 Since the 2008 Biennial Exercise

In Reference 2, Detroit Edison submitted a request for an exemption from the requirement of 10 CFR 50, Appendix E, Section IV.F.2.b for conducting a biennial emergency preparedness exercise. In Reference 3, Detroit Edison provided a response to NRC request for additional information (RAI) regarding the exemption request.

In an e-mail from Mr. Mahesh Chawla to Mr. Alan Hassoun dated October 29, 2010, the NRC provided Detroit Edison with comments on the information in References 2 and 3. The comments were discussed in a teleconference meeting between NRC and Detroit Edison representatives on November 4, 2010. Based on the discussion, Detroit Edison

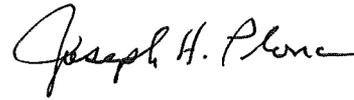
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agreed to provide a summary table for all the emergency preparedness drills conducted at Fermi 2 since the last biennial exercise in 2008. The table is provided in the enclosure to this letter.

There are no new commitments included in this document.

Should you have any questions or require additional information, please contact Mr. Rodney W. Johnson of my staff at (734) 586-5076.

Sincerely,

A handwritten signature in black ink that reads "Joseph H. Plone". The signature is written in a cursive style with a large initial 'J' and a long horizontal stroke at the end.

Enclosure: Drill Information Summary

cc: NRC Project Manager
NRC Resident Office
Reactor Projects Chief, Branch 4, Region III
Regional Administrator, Region III
Supervisor, Electric Operators,
Michigan Public Service Commission

**Enclosure to
NRC-10-0078**

**Fermi 2 NRC Docket No. 50-341
Operating License No. NPF-43**

**Transmittal of Emergency Preparedness Drill Information
Conducted at Fermi 2 Since the 2008 Biennial Exercise**

Drill Information Summary

**Fermi 2 Nuclear Power Plant
 Drills / Exercises conducted since the 2008 Exercise**

Date Event Description	Fermi 2 Site Participation	Objectives Evaluated during the Event	Off-Site Participation
<p style="text-align: center;">08/06/2008 Red Team Drill</p>	<p>Full Station / All On-Site Emergency Response Facilities</p>	<ul style="list-style-type: none"> • Establish and maintain priorities • Briefings • Mitigation and response strategy • Facility activation and staffing • Classifications • Notifications (Initial, Follow up) • Effective team communications • Log keeping • Facility turnover • Status board update • Damage Control and Rescue Team (DCRT) operations • Metrological data acquisition and use. • Dose assessment operations • Integrated Plant Computer System (IPCS) / Safety Parameter Display System (SPDS) operations • Radiological Emergency Team (RET) operations • Plume tracking • On-Site alarms • On-Site protective actions • Off-Site Protective Action Recommendations (PARs) • Radiological controls • Human performance tool use 	<p>The following had limited participation via control cells (notification and communication only):</p> <p>State Emergency Operations Center (EOC) Monroe County EOC Wayne County EOC Joint Information Center (JIC)</p>
<p style="text-align: center;">09/24/08 Blue Team Drill</p>	<p>Full Station / All On-Site Emergency Response Facilities</p>	<ul style="list-style-type: none"> • Establish and maintain priorities • Briefings • Mitigation and response strategy • Facility activation and staffing • Activation of State and County Liaisons • Classifications • Notifications (Initial, Follow up, NRC) • Effective team communications • Log keeping • Rumor control • Media briefings • Technical briefings • Security controls at the JIC • Facility turnover • Status board update • Emergency kit use • DCRT operations • Metrological data acquisition and use • Dose assessment operations • IPCS/SPDS operation 	<p>The following had limited participation via control cells (notification and communication only):</p> <p>State EOC Monroe County EOC Wayne County EOC Joint Information Center</p>

**Fermi 2 Nuclear Power Plant
 Drills / Exercises conducted since the 2008 Exercise**

Date Event Description	Fermi 2 Site Participation	Objectives Evaluated during the Event	Off-Site Participation
		<ul style="list-style-type: none"> • RET operations • Plume tracking • Portable air sampling • On-Site alarms • On-Site protective actions • N Assembly and accountability • Off-Site PARs • Radiological controls • Emergency exposure guidelines and dose limit extensions • Human performance tool use 	
<p align="center">10/20/08 Green Team Drill</p>	<p>Simulator Control Room and Operations Support Center (OSC) were simulated via control cells. Technical Support Center (TSC) and the Emergency Operations Facility (EOF) were staffed.</p>	<ul style="list-style-type: none"> • Establish and maintain priorities • Classifications • Notifications (Initial, Follow up) • Effective team communications • Dose assessment operations • IPCS/SPDS operation • Off-Site PARs • Human performance tool use 	<p>The following had limited participation via control cells (notification and communication only):</p> <p>State EOC Monroe County EOC Wayne County EOC Joint Information Center</p>
<p align="center">10/22/08 Radiological Medical Exercise</p>	<p>No On-Site Facilities Participated.</p> <p>Participation from Radiation Protection and Medical support. Exercise oversight and evaluation.</p>	<ul style="list-style-type: none"> • Monitor, decontamination, contamination controls for personnel, ambulance, and hospital/medical facility • Ambulance ability to transport and monitor potentially contaminated personnel, and communicate with the site and medical facilities • Activation of medical facility and contamination controls 	<p>Monroe Community Ambulance Mercy Memorial Hospital Michigan Department of Environmental Quality Federal Emergency Medical Agency (FEMA) Evaluators</p>
<p align="center">03/04/09 Red Team Drill</p>	<p>Full Station / All On-Site Emergency Response Facilities</p>	<ul style="list-style-type: none"> • Establish and maintain priorities • Briefings • Mitigation and response strategy • Facility activation and staffing • Classifications • Notifications (Initial, Follow up, NRC) • Effective team communications • Log keeping • Media briefings • Technical briefings • Facility turnover • Status board update • Emergency kit use • DCRT operations • Metrological data • Dose assessment operations 	<p>The following had limited participation via control cells (notification and communication only):</p> <p>State EOC Monroe County EOC Wayne County EOC</p> <p>The following facility participated utilizing Detroit Edison personnel:</p> <p>Joint Information Center</p>

**Fermi 2 Nuclear Power Plant
 Drills / Exercises conducted since the 2008 Exercise**

Date Event Description	Fermi 2 Site Participation	Objectives Evaluated during the Event	Off-Site Participation
		<ul style="list-style-type: none"> • IPCS/SPDS • RET operations • Plume tracking • Portable air sampling • On-Site alarms • On-Site protective actions • Off-Site PARs • Radiological controls • Emergency exposure guidelines and dose limit extensions • Human performance tool use 	(No State or County personnel participation) .
<p align="center">05/11/09 Red Team Facility Walkthrough Training</p>	<p align="center">Technical Support Center and Emergency Operations Facility</p>	<p>The objective of the training was to familiarize the staff with the facility layout and operation.</p>	<p align="center">None</p>
<p align="center">05/19/09 Red Team Drill</p>	<p align="center">Full Station / All On-Site Emergency Response Facilities</p>	<ul style="list-style-type: none"> • Establish and maintain priorities • Briefings • Mitigation and response strategy • Facility activation and staffing • Activation of State and County Liaisons • Classifications • Notifications (Initial, Follow up, NRC) • Effective team communications • Log keeping • Facility turnover • Status board update • Emergency kit use • DCRT operations • Metrological data acquisition and use • Dose assessment operations • IPCS/SPDS operation • RET operations • Plume tracking • Portable air sampling • On-Site protective actions • Off-Site PARs • Radiological controls 	<p>The following had limited participation via control cells (notification and communication only):</p> <p>State EOC Monroe County EOC Wayne County EOC Joint Information Center</p>
<p align="center">07/14/09 Gold Team Drill</p>	<p align="center">Full Station / All On-Site Emergency Response Facilities</p>	<ul style="list-style-type: none"> • Establish and maintain priorities • Briefings • Mitigation and response strategy • Facility activation and staffing • Classifications 	<p>The following had limited participation via control cells (notification and communication only):</p>

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Date Event Description	Fermi 2 Site Participation	Objectives Evaluated during the Event	Off-Site Participation
		<ul style="list-style-type: none"> • Notifications (Initial, Follow up, NRC) • Effective team communications • Log keeping • Facility turnover • Status board update • Emergency kit use • DCRT operations • Metrological data acquisition and use • Dose assessment operations • IPCS/SPDS operation • RET operations • Plume tracking • Portable air sampling • On-Site alarms • On-Site protective actions • Off-Site PARs • Radiological controls • Human performance tool use 	<p>State EOC Monroe County EOC Wayne County EOC Joint Information Center</p>
<p align="center">08/18/09 Green Team Drill</p>	<p>Full Station / All On-Site Emergency Response Facilities</p>	<ul style="list-style-type: none"> • Establish and maintain priorities • Briefings • Mitigation and response strategy • Facility activation and staffing • Classifications • Notifications (Initial, Follow up, NRC) • Effective team communications • Log keeping • Media briefings • Technical briefings • Facility turnover • Status board update • Emergency kit use • DCRT operations • Metrological data acquisition and use • Dose assessment operations • IPCS/SPDS operation • RET operations • Plume tracking • Portable air sampling • On-Site alarms • On-Site protective actions • Off-Site PARs • Radiological controls 	<p>The following had limited participation via control cells (notification and communication only):</p> <p>State EOC Monroe County EOC Wayne County EOC</p> <p>The following facility participated utilizing Detroit Edison personnel:</p> <p>Joint Information Center</p> <p>(No State or County personnel participation)</p>

**Fermi 2 Nuclear Power Plant
 Drills / Exercises conducted since the 2008 Exercise**

Date Event Description	Fermi 2 Site Participation	Objectives Evaluated during the Event	Off-Site Participation
<p align="center">08/25/09 Green Team Drill</p>	<p>Simulator Control Room and Operations Support Center (OSC) were simulated via control cells. Technical Support Center (TSC) and the Emergency Operations Facility (EOF) were staffed.</p>	<ul style="list-style-type: none"> • Emergency exposure guidelines and dose limit extensions • Human performance tool use • Establish and maintain priorities • Briefings • Mitigation and response strategy • Facility activation and staffing • Classifications • Notifications (Initial, Follow up, NRC) • Effective team communications • Log keeping • Media briefings • Technical briefings • Facility turnover • Status board update • Emergency kit use • DCRT operations • Metrological data acquisition and use • Dose assessment operations • IPCS/SPDS operation • RET operations • Plume tracking • Portable air sampling • On-Site alarms • On-Site protective actions • Off-Site PARs • Radiological controls • Emergency exposure guidelines and dose limit extensions • Human performance tool use 	<p>The following had limited participation via control cells (notification and communication only):</p> <p>State EOC Monroe County EOC Wayne County EOC Joint Information Center</p>
<p align="center">09/17/09 Green Team JIC Drill</p>	<p>Emergency Operations Facility (EOF) had limited participation via control cell (notification and communication only)</p>	<ul style="list-style-type: none"> • Briefings • Effective team communications • Log keeping • Media briefings • Technical briefings • Status board update • IPCS/SPDS operation • Human performance tool use 	<p>The following facility participated utilizing Detroit Edison personnel:</p> <p>Joint Information Center</p> <p>(No State or County personnel participation)</p>
<p align="center">09/23/09 Hostile Action Tabletop Drill</p>	<p>No On-Site Facilities activated. Blue Team Emergency Response Organization (ERO) participated in the Table Top Drill.</p>	<p>The Objectives for the tabletop were to achieve an understanding of the roles, responsibilities, priorities and response actions of key organizations and facilities, that have a role in the response to a Hostile Action Based (HAB) event at Fermi 2.</p>	<p>State EOC Monroe County EOC Wayne County EOC Joint Information Center United States Coast Guard Local Law Enforcement Agencies</p>

**Fermi 2 Nuclear Power Plant
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Date Event Description	Fermi 2 Site Participation	Objectives Evaluated during the Event	Off-Site Participation
			Local Fire Departments Michigan State Police Federal Bureau of Investigation (FBI) Michigan National Guard
10/13/09 <i>Original date for HAB drill Postponed due to Forced Outage 09-02</i>			
12/09/09 Blue Team Hostile Action Based (HAB) Drill (Originally scheduled for 10/13/09)	Full Station / All On-Site Emergency Response Facilities / Coordination between Fermi 2 Nuclear Security, ERO Staff and Facilities, and Incident Command Post personnel	<ul style="list-style-type: none"> • Establish and maintain priorities • Briefings • Mitigation and response strategy • Facility activation and staffing • Activation of State and County Liaisons • Classifications • Notifications (Initial, Follow up, NRC) • Effective team communications • Log keeping • Rumor control • Media briefings • Technical briefings • Facility turnover • Status board update • Emergency kit use • DCRT operations • Metrological data • IPCS/SPDS operation • RET operations • Portable air sampling • On-Site alarms • On-Site protective actions • Assembly and accountability • Off-Site PARs • Radiological controls • Personnel decontamination • Radiological medical emergency response • Monitor, decontamination, contamination controls for personnel, ambulance, and hospital/medical facility • Ambulance ability to transport and monitor potentially contaminated personnel, and communicate with the site and medical facilities • Human performance tool usage • Response to a Hostile Action Based event. 	State EOC Monroe County EOC Wayne County EOC Incident Command Post (ICP) Joint Information Center United States Coast Guard FBI Michigan State Police Monroe County Sheriff Monroe City Police Frenchtown Fire Departments Monroe Community Ambulance NRC Evaluators FEMA Evaluators

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<p style="text-align: center;">12/18/09 Radiological Medical Drill</p>	<p>No On-Site Facilities Participated. Exercise oversight and evaluation.</p>	<ul style="list-style-type: none"> • Command and control • Monitor, decontamination, contamination controls for personnel and ambulance • Priority development and medical treatment • Interface between medical staff and ambulance crew 	<p>Monroe Community Ambulance Michigan Department of Environmental Quality FEMA Evaluators</p>
<p style="text-align: center;">03/03/10 Gold Team Drill</p>	<p>Full Station / All On-Site Emergency Response Facilities</p>	<ul style="list-style-type: none"> • Establish and maintain priorities • Briefings • Mitigation and response strategy • Facility activation and staffing • Classifications • Notifications (Initial, Follow up, NRC) • Effective team communications • Log keeping • Facility turnover • Status board update • Emergency kit use • DCRT operations • Metrological data acquisition and use • Dose assessment operations • IPCS/SPDS operation • RET operations • Plume tracking • Portable air sampling • On-Site alarms • On-Site protective actions • Off-Site PARs • Radiological controls • Emergency exposure guidelines and dose limit extensions • Human performance tool use 	<p>The following had limited participation via control cells (notification and communication only):</p> <p>State EOC Monroe County EOC Wayne County EOC Joint Information Center</p>
<p style="text-align: center;">05/12/10 Red Team Drill</p>	<p>Full Station / All On-Site Emergency Response Facilities / Mock-NRC Team (using Station personnel) stationed throughout the On-Site Facilities in preparation for the 2010 Exercise.</p>	<ul style="list-style-type: none"> • Establish and maintain priorities • Briefings • Mitigation and response strategy • Facility activation and staffing • Classifications • Notifications (Initial, Follow up, NRC) • Effective team communications • Log keeping • Rumor control • Media briefings • Technical briefings 	<p>State EOC Monroe County EOC Wayne County EOC Joint Information Center Monroe County Reception Centers Wayne County Reception Centers Monroe County Congregate Care Centers Wayne County Congregate Care Centers</p>

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Date Event Description	Fermi 2 Site Participation	Objectives Evaluated during the Event	Off-Site Participation
		<ul style="list-style-type: none"> • Security controls at the JIC • Facility turnover • Status board update • Emergency kit use • DCRT operations • Metrological data acquisition and use • Dose assessment operations • IPCS/SPDS operation • RET operations • Environmental sampling • Plume tracking • Portable air sampling • On-Site alarms • On-Site protective actions • Off-Site PARs • Radiological controls • Emergency exposure guidelines and dose limit extensions • Human performance tool use 	
<p align="center">05/26/10 Red Team Drill</p>	<p>Full Station / All On-Site Emergency Response Facilities / Mock-NRC Team (using Station personnel) stationed throughout the On-Site Facilities in preparation for the 2010 Exercise.</p>	<ul style="list-style-type: none"> • Establish and maintain priorities • Briefings • Mitigation and response strategy • Facility activation and staffing • Classifications • Notifications (Initial, Follow up, NRC) • Effective team communications • Log keeping • Rumor control • Media briefings • Technical briefings • Security controls at the JIC • Facility turnover • Status board update • Emergency kit use • DCRT operations • Metrological data acquisition and use • Dose assessment operations • IPCS/SPDS operation • RET operations • Environmental sampling • Plume tracking • Portable air sampling • On-Site alarms 	<p>State EOC Monroe County EOC Wayne County EOC Joint Information Center Monroe County Reception Centers Wayne County Reception Centers Monroe County Congregate Care Centers Wayne County Congregate Care Centers</p>

**Fermi 2 Nuclear Power Plant
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Date Event Description	Fermi 2 Site Participation	Objectives Evaluated during the Event	Off-Site Participation
		<ul style="list-style-type: none"> • On-Site protective actions • Assembly and accountability • Off-Site PARs • Radiological controls • Emergency exposure guidelines and dose limit extensions • Human performance tool use 	
<p align="center">06/08/10 2010 Exercise <i>Off Site only</i></p>	<p>No On-Site Facilities Participated <i>(Tornado damage to Fermi 2 Site on 06/06/10 resulting in Forced Outage 10-02)</i></p> <p>Emergency Operations Facility (EOF) had limited participation via control cell (notification and communication only) to assist State and County Facilities while they conducted the 2010 Exercise for FEMA evaluation</p>	<p>All evaluations of the activities of 06/08/10 were conducted by FEMA.</p>	<p>State EOC Monroe County EOC Wayne County EOC Monroe County Reception Centers Wayne County Reception Centers Monroe County Congregate Care Centers Wayne County Congregate Care Centers FEMA Evaluators</p>
<p align="center">06/09/10 Radiological Medical Exercise</p>	<p>No On-Site Facilities Participated. Exercise oversight and evaluation.</p>	<ul style="list-style-type: none"> • Monitor, decontamination, contamination controls for personnel, ambulance, and hospital/medical facility • Ambulance ability to transport and monitor potentially contaminated personnel, and communicate with the site and medical facilities • Activation of medical facility and contamination controls 	<p>Monroe Community Ambulance Oakwood South Shore Medical Center Michigan Department of Environmental Quality FEMA Evaluators</p>
<p align="center">07/20/10 Blue Team Drill</p>	<p>Full Station / All On-Site Emergency Response Facilities</p>	<ul style="list-style-type: none"> • Establish and maintain priorities • Briefings • Mitigation and response strategy • Facility activation and staffing • Classifications • Notifications (Initial, Follow up, NRC) • Effective team communications • Log keeping • Facility turnover • Status board update • Emergency kit use • DCRT operations • Metrological data acquisition and use • Dose assessment operations • IPCS/SPDS operation • RET operations • Plume tracking • Portable air sampling 	<p>The following had limited participation via control cells (notification and communication only):</p> <p>State EOC Monroe County EOC Wayne County EOC Joint Information Center</p>

**Fermi 2 Nuclear Power Plant
 Drills / Exercises conducted since the 2008 Exercise**

Date Event Description	Fermi 2 Site Participation	Objectives Evaluated during the Event	Off-Site Participation
		<ul style="list-style-type: none"> • On-Site alarms • On-Site protective actions • Off-Site PARs • Radiological controls • Emergency exposure guidelines and dose limit extensions • Personnel decontamination • Human performance tool use 	
<p align="center">09/21/10 Reserve Team Drill</p>	<p>Full Station / All On-Site Emergency Response Facilities</p>	<ul style="list-style-type: none"> • Establish and maintain priorities • Briefings • Mitigation and response strategy • Facility activation and staffing • Classifications • Notifications (Initial, Follow up, NRC) • Effective team communications • Log keeping • Facility turnover • Status board update • Emergency kit use • DCRT operations • Metrological data acquisition and use • Dose assessment operations • IPCS/SPDS operation • RET operations • Plume tracking • Portable air sampling • On-Site alarms • On-Site protective actions • Off-Site PARs • Radiological controls • Emergency exposure guidelines and dose limit extensions • Personnel decontamination • Human performance tool use 	<p>The following had limited participation via control cells (notification and communication only):</p> <p>State EOC Monroe County EOC Wayne County EOC Joint Information Center</p>