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**DTE Energy**



June 15, 2004  
NRC-04-0038

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

Reference: Fermi 2  
NRC Docket No. 50-341  
NRC License No. NPF-43

Subject: Safeguards Event Report (SER) No. 04-S01

Please find the enclosed Safeguards Event Report (SER) No. 04-S01, for a reportable event that occurred on May 21, 2004. This SER does not contain any new commitments.

Should you have any questions or require additional information, please contact Mr. Joseph H. Korte of my staff at (734) 586-1095.

Sincerely,

A handwritten signature in cursive script that reads "William T. O'Connor, Jr." The signature is written in black ink and is positioned below the word "Sincerely,".

cc: D. P. Beaulieu  
E. R. Duncan  
NRC Resident Office  
Region III  
Regional Administrator, Region III  
Supervisor, Electric Operators,  
Michigan Public Service Commission

IE74

**LICENSEE EVENT REPORT (LER)**

(See reverse for required number of digits/characters for each block)

Estimated burden per response to comply with this mandatory information collection request: 50 hours. Reported lessons learned are incorporated into the licensing process and fed back to industry. Send comments regarding burden estimate to the Records Management Branch (T-6 E6), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by Internet e-mail to: bjs1@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202 (3150-0104), Office of Management and Budget, Washington, DC 20503. If a means used to impose information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

<b>1. FACILITY NAME</b> Fermi 2	<b>2. DOCKET NUMBER</b> 05000341	<b>3. PAGE</b> 1 OF 3
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**4. TITLE**  
**Suspension of Safeguards Measures During a Non-Radiological Emergency**

5. EVENT DATE			6. LER NUMBER			7. REPORT DATE			8. OTHER FACILITIES INVOLVED	
MO	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REV NO	MO	DAY	YEAR	FACILITY NAME	DOCKET NUMBER
05	21	2004	2004	- S01	- 00	06	15	2004	FACILITY NAME	DOCKET NUMBER
										05000
										05000

<b>9. OPERATING MODE</b> 1	<b>10. POWER LEVEL</b> 100	<b>11. THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 6: (Check all that apply)</b>									
		20.2201(b)	20.2203(a)(3)(ii)	50.73(a)(2)(ii)(B)	50.73(a)(2)(ix)(A)						
		20.2201(d)	20.2203(a)(4)	50.73(a)(2)(iii)	50.73(a)(2)(x)						
		20.2203(a)(1)	50.36(c)(1)(i)(A)	50.73(a)(2)(iv)(A)	X 73.71(a)(4)						
		20.2203(a)(2)(i)	50.36(c)(1)(ii)(A)	50.73(a)(2)(v)(A)	73.71(a)(5)						
		20.2203(a)(2)(ii)	50.36(c)(2)	50.73(a)(2)(v)(B)	OTHER Specify in Abstract below or in NRC Form 366A						
		20.2203(a)(2)(iii)	50.46(a)(3)(ii)	50.73(a)(2)(v)(C)							
		20.2203(a)(2)(iv)	50.73(a)(2)(i)(A)	50.73(a)(2)(v)(D)							
		20.2203(a)(2)(v)	50.73(a)(2)(i)(B)	50.73(a)(2)(vi)							
		20.2203(a)(2)(vi)	50.73(a)(2)(i)(C)	50.73(a)(2)(viii)(A)							
		20.2203(a)(3)(i)	50.73(a)(2)(ii)(A)	50.73(a)(2)(viii)(B)							

**12. LICENSEE CONTACT FOR THIS LER**

<b>NAME</b> Joseph H. Korte, Manager - Nuclear Security	<b>TELEPHONE NUMBER (Include Area Code)</b> (734) 586-1095
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**13. COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT**

CAUSE	SYSTEM	COMPONENT	MANU-FACTURER	REPORTABLE TO EPIX	CAUSE	SYSTEM	COMPONENT	MANU-FACTURER	REPORTABLE TO EPIX

<b>14. SUPPLEMENTAL REPORT EXPECTED</b>				<b>15. EXPECTED SUBMISSION DATE</b>		
YES (If yes, complete EXPECTED SUBMISSION DATE).	X	NO		MONTH	DAY	YEAR

**16. ABSTRACT (Limit to 1400 spaces, i.e., approximately 15 single-spaced typewritten lines)**

On May 21, 2004, at approximately 1412 hours, a severe thunderstorm warning was issued for Monroe County, which includes the Fermi 2 site. In response to a severe thunderstorm and potential degradation of protected area perimeter intrusion alarms, compensatory measures were established. As weather conditions became more threatening, security personnel performing these compensatory measures were directed, in accordance with security implementing procedures, to leave their positions and seek shelter. As a result, there were no compensatory measures in effect for approximately 9 minutes. Additionally, security measures in the Owner Controlled Area were suspended for approximately 23 minutes. When the severe weather had subsided, compensatory measures in the Protected Area and security measures in the Owner Controlled Area were promptly re-established. A search of the protected area was conducted with no anomalies found. There were no vital area intrusion alarms received during the affected time period. This report is being made in accordance with 10 CFR 73.71(a)(4).

## LICENSEE EVENT REPORT (LER)

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17. NARRATIVE (If more space is required, use additional copies of NRC Form 366A)

**Initial Plant Conditions:**

Mode 1  
 Reactor Power 100 percent

**Description of the Event**

On May 21, 2004, at approximately 1412 hours, a severe thunderstorm warning was issued for Monroe County. In response to a severe thunderstorm and potential degradation of protected area perimeter intrusion alarms, compensatory measures were established at 1429 hours. At approximately 1438 hours, security personnel conducting compensatory measures in the Protected Area were instructed by the Security Shift Supervisor to leave their positions and seek shelter. Suspension of these safeguards measures was approved by the Shift Manager in accordance with station procedures, prior to taking the actions. No other security measures (i.e., access control, searching of personnel, etc.) were suspended. Also, at 1429 hours, Owner Controlled Area security patrols and access control officers were instructed by the Security Shift Supervisor to suspend their duties and seek shelter.

A severe thunderstorm hit the Fermi 2 site and subsequently caused numerous weather-related alarms to annunciate in the security alarm stations. Because of the weather-related alarms being received in the security alarm stations, all microwave zone alarms were made inactive by the alarm station operators at 1429 hours. Compensatory measures for inactive microwave zones were suspended at 1438 hours. There were no compensatory measures in effect for the microwave zones from 1438 hours until compensatory measures were re-established at 1447 hours.

At 1447 hours, the storm subsided and compensatory measures for the microwave zones were re-established. Owner Controlled Area security patrols were also re-established at 1447 hours. Access controls at the Owner Controlled Area gate were re-established at 1452 hours. At 1512 hours, a search of the protected area was initiated. The search was completed at 1626 hours with no anomalies found. A review of alarm records showed there were no vital area intrusion alarms during the affected time period. No search was conducted in the Owner Controlled Area, however, no anomalies were found in the course of patrols.

This event constituted a one hour NRC reportable event in accordance with 10 CFR 73.71(a)(4) per 10 CFR 73, Appendix G, Paragraph I(c): any failure, degradation, or the discovered vulnerability in a safeguard system that could allow unauthorized or undetected access to a protected area, material access area, controlled access area, vital area, or transport for which compensatory measures have not been employed. The NRC was notified of the event at 1509 hours on May 21, 2004, via Fermi 2 Event Notification Number 40765.

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17. NARRATIVE (If more space is required, use additional copies of NRC Form 366A)

**Cause of the Event**

The cause of this event was hazardous weather conditions in Monroe County on May 21, 2004.

**Analysis of the Event**

This event had no adverse impact on the health and safety of the public. All other aspects of the physical protection system and security organization remained in effect throughout the duration of the severe weather. No unauthorized access was gained to the protected area or vital areas. Therefore, the condition of suspending security personnel compensatory measures associated with the severe weather did not constitute an unreasonable risk to the public health and safety. The suspension of compensatory measures did not affect or threaten plant safety systems. Local law enforcement assistance was not required, nor was there any media interest.

**Corrective Actions**

This event was entered into the Fermi 2 corrective action program. When conditions were safe, compensatory measures for the protected area microwave zones were re-established and a search of the protected area was conducted with no anomalies found. This event was reported because compensatory measures were suspended to protect the health and safety of security personnel. There are no specific corrective actions to be taken to prevent recurrence of this event. Similar actions, in accordance with security implementing procedures and plant abnormal operating procedures, will be taken in response to future events of this nature in order to protect the health and safety of employees.

**Additional Information**

A. Failed Components: None

B. Previous SERs on Similar Problems:

Similar events have occurred previously and are detailed in Safeguard Event Reports (SER) 92-S01, 95-S01, 97-S01, and 00-S01. All of these events were related to hazardous weather conditions.