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10CFR73.71

June 8, 2000
NRC-00-0057

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. 00-S01

Please find enclosed Safeguards Event Report (SER) No. 00-S01, dated June 8, 2000 for a reportable event that occurred on May 9, 2000. 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 black ink that reads "P. Fessler".

cc: J. L. Belanger
J. Dyer
A. J. Kugler
M. A. Ring
M. V. Yudas, Jr.
NRC Resident Office
Region III
Wayne County Emergency Management Division

RGN-001

A DTE Energy Company

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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 hrs. Reported lessons learned are incorporated into the licensing process and fed back to industry. Forward comments regarding burden estimate to the Records Management Branch (T-6 F33), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, and to the Paperwork Reduction Project (3150-0104), Office of Management and Budget, Washington, DC 20503. If an 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.

FACILITY NAME (1) Fermi 2	DOCKET NUMBER (2) 05000341	PAGE (3) 1 of 3
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TITLE (4)
Suspension of Safeguards Measures During a Non-Radiological Emergency

EVENT DATE (5)			LER NUMBER (6)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)	
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAME	DOCKET NUMBER
05	09	00	00	--S 0 1--	00	06	08	00	FACILITY NAME	DOCKET NUMBER 05000
									FACILITY NAME	DOCKET NUMBER 05000

OPERATING MODE (9) 4	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more) (11)			
	20.2201(b)	20.2203(a)(2)(v)	50.73(a)(2)(i)	50.73(a)(2)(viii)
POWER LEVEL (10) 00	20.2203(a)(1)	20.2203(a)(3)(i)	50.73(a)(2)(ii)	50.73(a)(2)(x)
	20.2203(a)(2)(i)	20.2203(a)(3)(ii)	50.73(a)(2)(iii)	X 73.71
	20.2203(a)(2)(ii)	20.2203(a)(4)	50.73(a)(2)(iv)	OTHER
	20.2203(a)(2)(iii)	50.36(c)(1)	50.73(a)(2)(v)	Specify in Abstract below or in NRC Form 366A
	20.2203(a)(2)(iv)	50.36(c)(2)	50.73(a)(2)(vii)	

LICENSEE CONTACT FOR THIS LER (12)

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

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO EPIX	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO EPIX

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

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

On May 9, 2000, at approximately 2000 hours, a tornado warning was issued for Monroe County, which includes the Fermi 2 site. In anticipation of 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 the approved Fermi 2 Physical Security Plan, to leave their positions and seek shelter. As a result, there were no compensatory measures in effect for approximately one hour. When the tornado warning was terminated, compensatory measures 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 10CFR73.71(b)(1).

LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION

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

Initial Plant Conditions:

Mode 4 (Cold Shutdown)
 Reactor Power 0 Percent
 Reactor Pressure 0 psig
 Reactor Temperature 191 Degrees Fahrenheit

Description of the Event:

On May 9, 2000, at approximately 2000 hours, a tornado warning was issued for Monroe County. At approximately 2008 hours, the Nuclear Shift Supervisor (NSS) made an announcement to all site personnel of the tornado warning, directing them to seek safe shelter in accordance with Abnormal Operating Procedure (AOP) 20.000.01, "Acts of Nature." In anticipation of a severe thunderstorm and potential degradation of protected area perimeter intrusion alarms, compensatory measures were established at 2014 hours. At approximately 2027 hours, security personnel conducting compensatory measures were instructed by the Security Shift Supervisor (SSS) to leave their positions and seek shelter. Suspension of these safeguards measures was approved by the NSS in accordance with the Fermi 2 Physical Security Plan, prior to taking the actions. No other security measures (i.e., access control, searching of personnel, etc.) were suspended.

At approximately 2029 hours, the severe thunderstorm hit the Fermi 2 site and subsequently caused numerous weather-related alarms to annunciate in the security alarm stations. Because of the many weather-related alarms being received in the security alarm stations, all microwave zone alarms were made inactive by the alarm station operators at 2034 hours. Since compensatory measures had been suspended at 2027 hours and the microwave zone alarms were deactivated at 2034, there were no compensatory measures in effect for the microwave zones from 2034 hours until compensatory measures were re-established at 2128 hours.

At 2123 hours, the tornado warning was terminated and compensatory measures for the microwave zones were re-established at 2128 hours. At 2136 hours, a search of the protected area was initiated. The search was completed at 2235 hours with no anomalies found. A review of alarm records showed there were no vital area intrusion alarms during the affected time period.

This event constituted a one hour NRC reportable event in accordance with 10CFR73.71(b)(1) per 10CFR73, 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 2119 hours on May 9, 2000, via Fermi 2 Event Notification Number 00-0012. The event notification originally stated that compensatory measures were suspended at 2039 hours. However, further review of the event revealed that the suspension of compensatory measures actually occurred at approximately 2027 hours, as stated above.

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

Cause of the Event:

The cause of this event was hazardous weather conditions in Monroe County on May 9, 2000.

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 tornado warning 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 the approved Fermi 2 Physical Security Plan and AOP 20.000.01, 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 Component Data

None

B. Previous Similar Events

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