

Mr. John K. Wood
Vice President - Nuclear, Davis-Besse
Centerior Service Company
c/o Toledo Edison Company
Davis-Besse Nuclear Power Station
5501 North State Route 2
Oak Harbor, OH 43449-9760

July 29, 1998

SUBJECT: INTERNATIONAL NUCLEAR EVENT SCALE EVENT REPORTING FORM -
DAVIS-BESSE NUCLEAR POWER STATION, UNIT NO. 1 (TAC NO. MA2181)

Dear Mr. Wood:

Enclosed is the International Nuclear Event Scale (INES) Event Reporting Form that was disseminated regarding your declaration of an Alert on June 24, 1998. The event involved a loss of offsite power, automatic reactor trip, and subsequent reactor cooldown on natural circulation.

The NRC participates in the INES in a limited way, as was communicated to you through Generic Letter 92-09, issued on December 31, 1992. As stated in the Generic Letter, the INES rating is not intended to affect emergency classifications, event reporting to the NRC, or communications with the public. Because usage of the INES could lead to confusion with the existing four-level emergency response scale used in the United States, the NRC delays the INES rating for at least one week after the event is terminated. The NRC evaluates every event classified as an Alert or higher on the U.S. emergency response scale for its INES applicability. An INES Event Rating Form is then prepared utilizing available documentation pertaining to the event. Not every Alert (or higher) will necessarily receive an INES classification, as some may be rated "out of scale". In this case, the event was classified as level 1.

The NRC does not request a review or concurrence with the INES classification nor is any response requested. Please contact me if you have any questions regarding this matter.

Sincerely,

ORIG. SIGNED BY

Allen G. Hansen, Project Manager
Project Directorate III-3
Division of Reactor Projects III/IV
Office of Nuclear Reactor Regulation

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PDR ADOCK 05000346
S PDR

Docket No. 50-346

Enclosure: As stated

cc: See attached list

Distribution w/encls:

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OFFICE	PD33-LA	E	PD33-PM	E
NAME	EBarnhill	EB	AHansen	AB
DATE	7/29/98		7/29/98	

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

July 29, 1998

Mr. John K. Wood
Vice President - Nuclear, Davis-Besse
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c/o Toledo Edison Company
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Sincerely,

A handwritten signature in black ink, appearing to read "A. Hansen", is written over the typed name.

Allen G. Hansen, Project Manager
Project Directorate III-3
Division of Reactor Projects III/IV
Office of Nuclear Reactor Regulation

Docket No. 50-346

Enclosure: As stated

cc: See attached list

John K. Wood
Toledo Edison Company

cc:

Mary E. O'Reilly
FirstEnergy
Davis-Besse Nuclear Power Station
5501 North State - Route 2
Oak Harbor, OH 43449-9760

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Manager - Regulatory Affairs
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Toledo Edison Company
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Oak Harbor, OH 43449-9760

Davis-Besse Nuclear Power Station, Unit 1

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Donna Owens, Director
Ohio Department of Commerce
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Reynoldsburg, OH 43068-9009

Ohio Environmental Protection Agency
DERR--Compliance Unit
ATTN: Zack A. Clayton
P.O. Box 1049
Columbus, OH 43266-0149

State of Ohio
Public Utilities Commission
180 East Broad Street
Columbus, OH 43266-0573

Attorney General
Department of Attorney
30 East Broad Street
Columbus, OH 43216

President, Board of County
Commissioner of Ottawa County
Port Clinton, OH 43252

THE INTERNATIONAL NUCLEAR EVENT SCALE (INES)

EVENT RATING FORM (ERF)

TO BE SENT TO THE IAEA INES CO-ORDINATOR BY

IAEA, WAGRAMERSTRASSE 5, P.O. BOX 100, A-1400 VIENNA, AUSTRIA

* FAX: + 43 1 2060 29723

* PHONE: + 43 1 2060 22666

* E-MAIL: THOMAS@NEPO1.IAEA.ORG.AT

EVENT TITLE		REACTOR TRIP AND NATURAL CIRCULATION COOLDOWN DUE TO LOSS OF OFFSITE POWER										EVENT DATE		
												24.06.98		
RATING PROVISIONAL <input type="checkbox"/> FINAL <input checked="" type="checkbox"/>	RATING DATE	OUT OF SCALE	BELOW SCALE	ON SCALE							SAFETY ATTRIBUTE	DEGR. DEFENCE IN-DEPTH	<input checked="" type="checkbox"/>	
				0	1	2	3	4	5	6		7	ON-SITE IMPACT	
	10.07.98			<input checked="" type="checkbox"/>									OFF-SITE IMPACT	
COUNTRY	USA	FACILITY NAME	DAVIS-BESSE NUCLEAR POWER STATION								FACILITY TYPE	PWR		
ASPECTS OF SIGNIFICANCE TO THE PUBLIC:													YES	NO
ACCIDENT <input type="checkbox"/> INCIDENT <input checked="" type="checkbox"/> DEVIATION <input type="checkbox"/>														
- RADIOACTIVE RELEASES OFF-SITE													<input type="checkbox"/>	<input checked="" type="checkbox"/>
- RADIOACTIVE RELEASES ON-SITE													<input type="checkbox"/>	<input checked="" type="checkbox"/>
- WORKERS INJURED BY RADIATION													<input type="checkbox"/>	<input checked="" type="checkbox"/>
- WORKERS INJURED PHYSICALLY													<input type="checkbox"/>	<input checked="" type="checkbox"/>
- PLANT SAFETY IS UNDER CONTROL													<input checked="" type="checkbox"/>	<input type="checkbox"/>
- THE EVENT REPORTED IS A DISCOVERY OF A DEFICIENCY BY ROUTINE SURVEILLANCE													<input type="checkbox"/>	<input checked="" type="checkbox"/>
- A PRESS RELEASE WAS MADE (IF YES, PLEASE ATTACH IT)													<input checked="" type="checkbox"/>	<input type="checkbox"/>
SHORT DESCRIPTION OF THE EVENT: On 24 June 1998, with the reactor operating at 99% of rated thermal power, the plant lost offsite power due to severe weather, including lightning strikes to the electrical switchyard and a tornado that damaged the switchyard and turbine building roof. The reactor automatically shut down as a result of the loss of electrical power and emergency diesel generators (EDGs) provided power to safety equipment. The licensee declared an ALERT emergency classification as a result of the event. The reactor was cooled down at a reduced rate of approximately 5.6C (10°F) per hour due to the unavailability of reactor coolant pumps, which require offsite electrical power.														
On 25 June 1998, with offsite electrical power still unavailable, the licensee conservatively declared one of the two EDGs inoperable with respect to the plant Technical Specifications after the air temperature in the EDG room slightly exceeded the maximum design temperature. Although the EDG was declared inoperable, it operated normally and continued to supply power to its associated safety equipment until offsite electrical power was restored. Due to the reduced reactor cooldown rate, the licensee was unable to comply with the requirements of the Technical Specifications, and reported the deviation to the USNRC. The air temperature in the room continued to fluctuate near the maximum design temperature throughout the event. One source of offsite electrical power was restored to the plant during the evening of 25 June 1998, and the emergency was terminated during the afternoon of 26 June 1998.														
JUSTIFICATION OF THE RATING: This event was initially rated as level 0/below scale in accordance with Table II of the INES Users Manual, as an event with a high initiator frequency and full safety function availability. The rating was escalated to level 1 due to the duration of the unavailability of offsite electrical power and the tornado damage to plant structures.														
CONTACT PERSON	NAME	Richard J. Barrett												
	ADDRESS	USNRC, Washington, DC 20555												
	PHONE	(301) 415-7482												
	FAX	(301) 816-5151												
PLEASE ATTACH ADDITIONAL INFORMATION ON JUSTIFICATION OF THE EVENT RATING AND DIFFICULTIES ENCOUNTERED, IF NEEDED														

ENCLOSURE

JOINT PUBLIC INFORMATION CENTER

STATE OF OHIO

OTTAWA COUNTY

LOGAN COUNTY

TOLLEDO, OHIO

NEWS RELEASE NO: 1DATE: June 25, 1998TIME: 12:10 a.m.**FOR APPROVAL (Initial)**

Company Spokesperson

8/15/98
*0015*DAVIS-BESSE DECLARES AN ALERT

Oak Harbor, Ohio -- An Alert was declared at the Davis-Besse Nuclear Power Station at 9:18 p.m. due to a tornado on-site. Plant personnel reported the sighting of a funnel cloud near the Plant cooling tower. The tornado caused a loss of off-site power which resulted in an automatic plant shut-down. The reactor has been shut-down and is in a safe condition. An Alert is the second least serious of four Emergency Classifications, as defined by the Nuclear Regulatory Commission.

According to the NRC, an Alert is a minor problem. This classification is declared when an event has occurred that could affect any part of the plant. The plant's numerous safety systems are still available and are functioning as designed. Plant personnel are inspecting the Plant equipment to determine the extent of damage which may have resulted from the tornado.

There is no danger to the public. Plant operators have notified federal, state and county officials.

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