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July 9, 1982

Daniel D. Wilt, Esq. P.O. Box 08159 Cleveland, Ohio 44108

> In the Matter of CLEVELAND ELECTRIC ILLUMINATING COMPANY, ET AL. (Perry Nuclear Power Plant, Unit 1 and 2) Docket Nos. 50-440 OL and 50-441 OL

Dear Mr. Wilt:

This letter and its enclosures constitute a further response by the NRC Staff to Sunflower's "Request for Production of Documents to NRC" dated February 24, 1982. By this letter, the Staff is completing its response to items 2, 4 through 8, and item 11 of that document request and is providing a partial response to item 1. The Staff had previously responded to items 9, 10 and 12 through 15 by letter dated April 7, 1982. Therefore, the only elements of your February 24 letter which remain to be completed are Items 1 and 3.

In this letter, the Staff is also supplementing its response to your April 1, 1982 document request.

This document production reflects the agreement which we reached over the course of several phone conversations on the scope of items 1 through 6 and item 8. As a result of these conversations, we have agreed that the Staff would provide for item 1 certain documents identified in Volumes 2, 3 and 4 of NUREG-0460; for items 2, 4, 5 and 6, certain indexes of documents in the possession of the NRC; and for item 3, summaries of the meetings identified on page I-13 of Volume 2 of NUREG-0460. Finally, you have agreed to withdraw item 8.

With this letter, the Staff is producing the following documents:

(A) A group of documents identified in Appendix A to this letter. These are documents concerning boiling water reactors which were referenced in volumes 2, 3 and 4 of NUREG-0460. As we agreed, production of the documents identified in Appendix A, together with certain other documents referenced in NUREG-0460 for which we are still searching, will satisfy item 1 of your February 24 request. The documents for which we are still searching will be provided as soon as copies are located.

(B) Indexes to publicly available documents on ATWS: (1) a letter from J. M. Felton (NRC) to A. F. Earley, dated March 18, 1981, to which is attached a list of 738 documents pertaining the pending ATWS rulemaking;

(2) a letter from J. M. Felton to A. F. Earley, dated March 15, 1982 to which is attached a list of five documents concerning ATWS; (3) an index of documents in the NRC public document room ("PDR") in Washington, D.C. with the keyterm "ATWS" in the document abstract and either (a) related to the GE topical report file, (b) authored or received by GE, (c) authored or received by a GE or a BWR Owner's group, or (d) having the keyterm "Boiling Water Reactors" in the document abstract. This index was generated on May 17, 1982. A description of the document files upon which this index is based is contained in Appendix B to this letter. As we agreed, the production of these lists and index completes the Staff's response to Items 2 and 5 of your February 24 request.

(C) A memorandum to R. E. Heineman from D. F. Ross, concerning a NRC meeting on December 29, 1976, with GE on ATWS. The Staff is still searching for summaries of the remaining meetings with GE listed on page I-13, in Volume 2 of NUREG-0460, asked for in Item 3 of February 24 request.

(D) An index of documents in the PDR authored by the ACRS and possessing the keyterm "ATWS" in the document abstract. This index was generated on June 8, 1982. A description of the document files upon which this index is based is contained in Appendix C to this letter. As we agreed, the production of this index completes the Staff's response to item 4 of your February 24 request.

(E) Two indexes, generated May 17, 1982, of documents in the PDR concerning scram system failures: (1) an index of documents possessing the keyterms in the document abstract (a) "SCRAM," (b) "boiling water reactors" and (c) either "failures," "inoperability," "malfunctions," "reliability" or "deficiencies;" and (2) an index of Licensee Event Reports (LER), Preliminary Notification (PNO) and Reportable Occurrences (RO) possessing the keyterms, in the document abstract, "SCRAM" and either "failures," "inoperability," "malfunctions," "reliability," the document files upon which these indexes are based are contained in Appendix D to this letter.

(F) (1) An index, generated June 29, 1982, of LERs for boiling water reactors with the keyterms "standby liquid control," "boron" or "SBLC" in the document abstract. (2) An index, generated June 8, 1982, of documents in the PDR, with the exception of plant drawings, with the keyterm "standby liquid control" in the document abstract. A description of the document files upon upon which the index is based is contained in Appendix E to this letter. (3) A licensee event report, dated June 17, 1976, from an occurrence involving a leak of the standby liquid control system at the Dresden nuclear power plant, Unit 2. As we agreed, the production of the items listed in subparts (E) and (F) of this letter completes the Staff's response to item 6 of your February 24 request.

(G) Copies of a December 21, 1981 letter from A. Schwencer (NRC) to D. R. Davidson with a portion of the attachment concerning radioprotective

drugs and of a February 15, 1982 response from Davidson to Schwencer with a portion of the attachment concerning radioprotective drugs. This completes the Staff's response to item 7 of your February 24 request.

(H) A copy of testimony of B. K. Grimes (NRC) on March 5, 1982 before the House Committee on Interior and Insular Affairs on potassium iodine. This completes the Staff's response to item 11 of your February 24 request.

(I) A copy of NUREG-0926, "Technical Specifications" for Unit 1 of the Grand Gulf Nuclear Station. This supplements the Staff's response to your April 7, 1982 document request.

Sincerely,

James H. Thessin Counsel for NRC Staff

Enclosures: As stated

cc w/o enclosures: Peter B. Bloch, Esq. Dr. Jerry R. Kline Mr. Frederick J. Shon Jeff Alexander Terry Lodge, Esq. Robert Alexander John G. Cardinal, Esq.

Jay Silberg, Esq. Donald T. Ezzone, Esq. Susan Hiatt Atomic Safety & Licensing Board Atomic Safety & Licensing Appeal Board Docketing & Service Section

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APPENDIX A

Frederick, L. (GE), "An Analysis of Functional Common-Mode Failures in GE BWR Protection and Control Instrumentation," Licensing Topical Rept. NEDPO-10189, July 1970.

Stuart, I., (GE), Ltr. to V. Stello, Jr. (NRC) responding to NRC's June 4, 1974 letter transmitting questions pertaining to NRC's review of GE analysis of ATWS; dtd. October 7, 1974.

Stuart, I., (GE), Ltr. to V. Stello, Jr. (NRC) responding to NRC's December 9, 1974 letter on shutdown system design requirements for plants filing for CP after Oct. 1, 1976; dtd. January 9, 1975.

Stello, V., Jr., (NRC), Ltr. to I. Stuart (GE) requesting additional information on NEDO-20626, "Anticipated Transients Without Scram;" dtd. January 28, 1975.

Linford, R.B., (GE), "Analytical Methods of Plant Transient Evaluations for the General Electric Boiling Water Reactor," Licensing Topical' Report, NEDO - 10802, dated February 1973; Amendment No. 1, Licensing Topical Rept. NEDO-10802-1, April 1975.

Baham, S.E., and Linford, R.B., (GE), "Analytical Methods of Plant Transient Evaluations for the General Electric Boiling Water Reactor," Licensing Topical Rept. NEDO-10802-2, June 1975.

Staff, USNRC, "Status Report for Anticipated Transients without Scram for General Electric Reactors," December 9, 1975.

Heineman, R., (NRC), Ltr. to I. Stuart (GE) requesting resolution of remaining ATWS issues; dtd. April 7, 1976.

Woffinden, F.B., (GE), "Response to Stability Questions from NRC on Hatch-1 Plant," GE Rept. NEDC-21283, June 1976.

Hughes, E. (GE), Ltr. to D. Ross (NRC) transmitting responses to questions raised in NRC Staff ATWS status report; dtd. July 2, 1976. (One proprietary attachment; GE ATWS Report 6/30/76 is not being provided.

Heineman, R., (NRC), Ltr. to G. Sherwood (GE) transmitting NRC staff response to the Atomic Industrial Forum on ATWS guidelines; dtd. August 31, 1976. G. S. Lellouche (EPRI), Ltr. to B. Rusche (NRC) transmitting EPRI NP-251 "ATWS - A Reappraisal; Part 1: An Examinatoion and Analysis of WASH-1270, Technical Report on ATWS for Water-Cooled Power Reactors"; dtd, August 24, 1976. Hughes, E., (GE), Ltr. to D. Ross, (NRC) transmitting General Electric ATWS Report, "Appendix A, GE Report for BWR/4" and Appendix B, GE Report of GWR/5; dtd. September 30, 1976. The proprietary appendices are not being provided.

Erdmann, R.C., et al., "ATWS: A Reappraisal, Part II: Evaluation of Societal Risks due to Reactor Protection System Failure; Vols. 1 and 2: BWR Risk Analysis," EPRI NP-265, August 1976.

Ltr. from E. G. Sherwood (GE), GE comments on ATWS report, July 7, 1978.

Ltr. to E. G. Sherwood (GE) from H. R. Denton, Response to July 7, 1978 GE letter expressing concerns regarding proposed approach to ATWS as set forth in NUREG-0460, dated August 4, 1978.

Letter from R. P. Denise, NRC, to G. G. Sherwood, GE, Subject: Approval and Application of the ODYN Code," January 23, 1980.

U.S. Nuclear Regulatory Commission, "Generic Evaluation of Feedwater Transients and Small Break Loss-of-Coolant Accidents in General Electric Operating Plants," USNRC Report NUREG-0626, February 1980.





5/17/82

TO PUBLIC DOCUMENT ROOM USER

FOR YOUR INFORMATION

This enclosed special printout from the PDR machine readable Data Base has been generated based on your request. The search statements used to generate this printout are as follow:

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	Because record appear in view	e of the limited scope of the PDR data base, <u>there may be other</u> s in the facility pertaining to your area of interest that do not on this printout. Consult the PDR staff for additional assistance wing these documents.
	Also, are on charge	please note that the page counts of the citations on this printout ly estimates and should not be used to calculate reproduction s.
	The in	formation on the printout is introduced with codes:
	ACN:	Accession number this is a unique number for the document in question and is always helpful to note.
	DATE :	This is the actual date of the document.
	DIC:	Uncument type code.
	PAGES:	Through 16 a description of the document.
	DEL .	Paper file location this is the information to be used in
	116.	requesting the document; it includes the docket in which the item
		is filed, the category, and the date of the transmittal letter.
	DKT:	Docket number(s).
	RPT:)	
	RTR:) TSK:)	Any number of report numbers may be listed in these fields.
	RN:	Recipient of the document.
	AN:	Author of the document.
	RA:	Recipient's affiliation.
	AA:	Author's affiliation.
	FICHE:	This indicates that the document is in microfiche form. Where
		there is no PFL given, the document is in microfiche only.



May 17, 1982

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BOILING WATER REACTORS ATWS

The Public Document Room (PDR) data base consists of three large data bases of bibliographic records. The data bases were indexed using different methodologies and different thesauri or controlled vocabularies. The following is a description of the content, time period, and methodology used for each data base. Please read this information so that you will be advised of what the attached listing represents.

Each record in the PDR data base starts with a record identification number (RID) in the format: #####/####. The first four (4) or five (5) digits designates the source data base.

- I. <u>RID 3000 to RID 4999</u>: The Department of Energy's (formerly ERDA) Power Reactor Docket Information (PRDI) data file.
- II. RID 5000 to RID 5999: NRC Public Document Room Docket 50 materials indexed by a commercial contractor.

"Controlled Title Searching" (CTS)

Methodology for Capture of Subject Keyterms:

The method of subject capture for the DCS records is a developmental program called "Controlled Title Searching". Unlike the earlier indexing projects, DCS catalogers do not subject index the documents. Documents are "described" in the four line title field labeled as L1, L2, L3, L4 which is not searchable.

In an attempt to gain subject access to these records, the CTS program was developed by the PDR staff to search the PCS titles and draw keyterms from the prose used by the DCS indexers. The CTS program scans the title lines during the loading of the DCS records into the PDR's system. Words or phrases are compared electronically against a controlled dictionary stored in the computer. Where "matches" are found, searchable keyterms are added to the record automatically. No check is made as to the validity of the match within the context of the sentence.

CTS Limitations:

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APPENDIX C



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

June 8, 1982

TO PUBLIC DOCUMENT ROOM USER

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her appliation = ACRS and Keyterm = ATWS

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Because of the limited scope of the PDR data base, there may be other records in the facility pertaining to your area of interest that do not appear on this printout. Consult the PDR staff for additional assistance in viewing these documents.

Also, please note that the page counts of the citations on this printout are only estimates and should not be used to calculate reproduction charges.

ACN:	Accession number this is a unique number for the document in
	question and is always helpful to note.
DATE:	This is the actual date of the document.
DTC:	Document type code.
PAGES:	An estimate of total number of pages.
L1:	Through L6 a description of the document.
PFL:	Paper file location this is the information to be used in
	requesting the document; it includes the docket in which the item
	is filed, the category, and the date of the transmittal letter.
DKT:	Docket number(s).
RPT:)	
RTR:)	Any number of report numbers may be listed in these fields.
TSK:)	
RN:	Recipient of the document.
AN:	Author of the document.
RA:	Recipient's affiliation.
AA:	Author's affiliation.
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11:	Through 16 a description of the document.
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elures of Inoperability or Malbukations on Deficiencies) + Boiling Water Reactors

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May 17, 1982

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The enclosed printout represents records containing the following keyterms:

Key = SCRAM + (Failures or Tropuchility a Malfunctiona) or Reliability or Deficiencies)

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June 8, 1582

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treyterm = Standby Liquid Control and Document type code not equal drawings (DS)

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June 8 1982

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The enclosed printout represents records collaining the following keyterms:

STANDBY LIQUID CONTROL

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