

May 30, 2003

The Honorable James C. Greenwood, Chairman
Subcommittee on Oversight and Investigations
Committee on Energy and Commerce
United States House of Representatives
Washington, D.C. 20515

Dear Mr. Chairman:

I am responding on behalf of the Nuclear Regulatory Commission (NRC or the Commission) to your letter of May 7, 2003, regarding lessons learned following the discovery of degradation of the reactor pressure vessel head at the Davis-Besse Nuclear Power Station. You expressed concerns that not all internal weaknesses that prevented the NRC from identifying the degradation at Davis-Besse have been completely identified. In your letter, you asked the Commission to provide responses to six questions to assist you in carrying out your oversight and legislative responsibilities.

Since the discovery of degradation of the reactor pressure vessel head at Davis-Besse, the NRC has conducted an extensive review of its regulatory processes in order to identify weaknesses. A Lessons Learned Task Force was formed and chartered to review five general areas: (1) reactor oversight process issues; (2) regulatory process issues; (3) research activities; (4) international practices; and (5) the NRC's Generic Issues Program. A team of NRC's senior managers reviewed the Task Force's recommendations and developed an overall plan to address the weaknesses. Action plans were developed to address the high-priority items: (1) assessment of stress corrosion cracking; (2) assessment of the operating experience program, including integration of operating experience into training and a review of program effectiveness; (3) evaluation of inspection, assessment, and project management guidance; and (4) assessment of barrier integrity requirements.

The NRC has undertaken a critical and extensive review of its processes and is taking actions to correct weaknesses. The regulatory process is dynamic and is continuously being improved as new information is identified. Continuous improvement is necessary for the NRC to meet its primary obligation to ensure the adequate protection of public health and safety.

Your letter also describes a February 20, 2003, memorandum from Mr. Steven Long to each Commissioner. In his memorandum, Mr. Long explains the reason for his dissent from the NRC's decision not to order the Davis-Besse plant to shut down for inspection by December 31, 2001. The NRC encourages its staff to raise safety concerns and express their views on important technical issues because a diversity of opinions improves the decision-making process. However, while we encourage and appreciate the expression of Mr. Long's viewpoint, his opinions are not necessarily shared by other engineers and risk analysts. While the NRC values Mr. Long's views, it also values the views of the rest of the staff.

Enclosed are responses to your questions. NRC documents and reference material are cited as necessary to support the responses. I appreciate your interest in this important matter. If you have any questions, please contact me.

Sincerely,

/RA/

Nils J. Diaz

Enclosures: 1. Responses to Congressional Questions
 2. List of Records Previously Provided to Congress
 3. Copies of New Records

cc: Representative Peter Deutsch

Question 1:

Please provide all records relating to the consideration and final decision by NRC not to issue a shutdown order at Davis-Besse.

Response 1:

Enclosure 2 is a list of records which were previously provided to Congress in response to a similar request. In addition, listed below are four new records. Copies of these new records are provided in Enclosure 3.

1. Letter dated December 3, 2002, to L. Myers, FENOC, from J. Zwolinski, NRR
2. Letter dated December 13, 2002, to D. Lochbaum, UCS, from S. Collins, NRR (w/o attachment because that is the December 3, 2002 letter)
3. Memorandum dated January 14, 2003, to Chairman Meserve et al., from G. Holahan, DSSA
4. Memorandum dated February 20, 2003, to Chairman Meserve et al., from S. Long, DSSA

Question 2:

Please review the February 20, 2003, memorandum from Steven M. Long to the Commission and provide me with a full explanation on each point raised in that memorandum.

Response 2:

The first point Mr. Long raised in his memorandum was his interpretation of the “vote” or “show of hands” that occurred in the November 28, 2001, staff meeting held in our Office of Nuclear Reactor Regulation (NRR). The purpose of this meeting was to discuss the technical merits of FirstEnergy Nuclear Operating Company’s (FENOC’s) proposal to continue operation of the Davis-Besse plant until February 16, 2002. There were a number of technical staff involved in this issue, who were present in the meeting, including materials engineers and risk analysts. Members of NRR management were also present since a decision needed to be made in the near future. The senior NRR manager at the meeting first asked everyone for their opinion of whether there was a date beyond which plant operation would not be acceptable. Contrary to Mr. Long’s memorandum, this was not a “vote,” but rather a solicitation of technical opinions from the various staff members in order to determine the extent of consensus on this question. Extensive technical discussion ensued. Several staff recommended that the plant shut down by December 31, 2001. Other staff argued that the plant could safely operate up to its originally proposed shutdown date of March 31, 2002. Still others believed that the analyses and data were not accurate enough to establish a shutdown date.

Realizing that there was no staff consensus on the question of a particular shutdown date, the senior NRR manager initiated a discussion as to whether any of the staff believed that a loss of coolant accident due to ejection of a control rod drive mechanism (CRDM) was likely to occur before February 16, 2002. This was important because the need to shut down and inspect was to assure that this kind of an event was very unlikely. In response to this question, all staff at the meeting agreed that a loss-of-coolant-accident (LOCA) occurring due to a CRDM ejection was unlikely. In other words, while some staff would have preferred an earlier shutdown (December 31, 2001) and other staff thought a later shutdown (March 31, 2002) was acceptable, none of the staff expressed a significant safety concern with FENOC’s proposal to operate until February 16, 2002.

Contrary to Mr. Long’s memorandum, there was no “voting” process used during the November 28, 2001, staff meeting. Based on unanimous agreement by the staff in the meeting that operation of Davis-Besse through February 16, 2002, did not pose a significant safety concern, the senior manager informed the Director of NRR that the staff could accept FENOC’s proposal to operate up to February 16, 2002, and that issuance of a shutdown order was not necessary. The unanimity of the staff’s decision in this regard was substantiated by the Office of the Inspector General’s (OIG) report dated December 30, 2002.

The following day, the Director of NRR, who had the authority to issue the order, met with the staff members who favored an earlier shutdown to learn whether they were comfortable with the outcome of the meeting. These individuals were again provided the opportunity to express their safety concerns and provide input to the decision. The individuals stated that they were comfortable with the decision that had been reached. This was confirmed by the OIG through conversations with the individuals and is documented in its report.

The second point Mr. Long made was that “...if the analysis that was used to estimate the risk for the first 47 days of 2002 was also applied to the prior 150 days since the bulletin [Bulletin

2001-01] was issued, the December 31 date would not have been justified by this guidance.” Based on this result, Mr. Long questioned the validity of the original December 31, 2001, target date for completion of inspections by all licensees. The NRC, however, had determined that based on engineering judgment, the December 31 target date was appropriate.

In November 2001, the decision before the NRC was whether Davis-Besse could deviate by 47 days from the Bulletin 2001-01 target date of December 31, 2001. Therefore, the risk involved in the decision was the risk associated with 47 days of continued operation to February 16, 2002.

The thought process presented in Regulatory Information Summary (RIS) 2001-02 for risk-informed regulatory decision making was appropriately applied in this decision. The data presented by FENOC and the independent calculations performed by the staff concluded that the increased risk of core damage was small and the risk of a large early release of radioactive material was very small. The analysis concluded that the results were considered as “small changes, acceptable with management attention,” in accordance with the guidelines identified in Regulatory Guide 1.174. Management attention was provided throughout the process.

Mr. Long’s third point was that the NRC has not adopted a numerical value of risk that constitutes “adequate protection.” Mr. Long inferred that such a limit must be greater than $1\text{E-}4$ per reactor-year.¹ Based on this inference, he postulated that the NRC would find two CRDM nozzle ejections per year across the industry to be acceptable.

Rather than adopt a numerical risk threshold for adequate protection, the NRC adopted a process that is described in RIS 2001-02 for determining adequate protection in a risk-informed way. In the process, the five attributes of risk-informed decision making are examined: 1) compliance with current regulations, or alternative approval; 2) defense in depth; 3) maintenance of sufficient safety margins; 4) minimizing changes in risk; and 5) the ability to monitor the effects of a risk-informed decision. The guidelines for acceptable change in core damage frequency due to a decision based on this process is $1\text{E-}5$ per reactor-year.² Application of that process in the case of Davis-Besse concluded that a nozzle ejection during the brief period of extended operation was very unlikely.

Finally, Mr. Long commented on the legal basis necessary for issuing an order. He stated that it was his “...position that, in this type of situation, the agency has the legal discretion to use its judgment to issue an order....” This comment is similar to Finding 4 in the OIG’s report.

Former Chairman Meserve, on behalf of the Commission, responded to the OIG’s finding in his January 8, 2003, memorandum. The Chairman stated that a regulatory foundation for ordering the plant [Davis-Besse] to shut down clearly existed, and the order would have been issued if FENOC had not provided sufficient safety justification for an alternate inspection date.

¹ “ $1\text{E-}4$ per reactor-year” is synonymous with “one chance per 10,000 years of reactor operation.”

² “ $1\text{E-}5$ per reactor-year” is synonymous with “one chance per 100,000 years of reactor operation.”

Question 3:

Please describe the administrative procedures or other guidelines for NRC staff adopted by the Commission and used for developing final recommendations or determinations on significant safety matters including shutdown orders and other significant risk determinations used in regulatory actions.

Response 3:

The Division of Licensing Project Management (DLPM) in NRR has a handbook (DLPM Handbook) that provides guidance on NRC regulations, procedures and documents in order to help its employees complete various licensing actions and tasks. There are separate sections for license amendments, American Society of Mechanical Engineers (ASME) Code relief requests, exemptions to the regulations, license transfers, and issuance of orders, among other topics.

The section on orders describes three situations where orders are typically issued. These situations are:

when the NRC has identified deliberate misconduct that may cause a licensee to be in violation of an NRC requirement,

where incomplete or inaccurate information is deliberately submitted to the NRC, or

where the NRC loses its reasonable assurance that the licensee will meet NRC requirements.

One of the references in the handbook is to Title 10 of the *Code of Federal Regulations*, (10 CFR) Section 2.202, "Orders." The regulation describes the requirements for an order including specifying the action proposed and the basis for taking it, the response required, and the right to request a hearing. In addition to the above situations, 10 CFR 2.202 also states that the Commission can issue an order if potentially hazardous conditions or other facts deemed to be sufficient grounds for an order exist.

NRR has an Office Instruction, ADM-200, "Delegation of Signature Authority" (ADAMS Accession No. ML030070286), which describes the level of authority required to sign all agency documents that are issued by NRR. In general, as document importance increases, a higher level of authority is required to sign the document. This ensures an appropriate level of management review before issuance of each type of document. If the staff believes that ordering the licensee to take certain actions is appropriate, then the staff's position would be reviewed by NRR management through the Director of NRR, because the Director has signature authority for orders.

Question 4:

Please describe the voting process utilized by NRC staff and how this voting process was consistent with administrative procedures or guidelines with respect to the decisions on the proposed shutdown order for Davis-Besse and the December 4, 2001, acceptance of FirstEnergy's bulletin response.

Response 4:

As explained in Response 2, there was no "vote" taken at the November 28, 2001, staff meeting. Rather, the staff was asked to indicate its opinion regarding the issuance of an order to determine if a staff consensus existed.

The staff does not use a "voting process" for making decisions. Instead, the process is one in which the technical staff tries to reach consensus which usually results in a single staff recommendation being made to NRC management.

In the event that a consensus cannot be reached, management will seek out and listen to alternative viewpoints. Management considers the staff's recommendations, especially if alternative views exist, in order to assess whether the recommendations can withstand technical and legal scrutiny and are consistent with NRC policies and procedures. Ultimately, management will make a decision after considering all input and viewpoints.

The administrative procedures and guidelines for developing recommendations and determinations used in regulatory actions are described in Response 3.

Question 5:

Please provide a full explanation on why the absence of adequate inspection data on the reactor vessel head from the 1998 and 2000 outages was acceptable to NRC staff in the risk assessment and regulatory decision-making process, and to what degree the absence of this data was a factor in the risk assessment and regulatory decision making process.

Response 5:

FENOC provided the staff with inspection data of the reactor vessel head collected during outages in 1996, 1998, and 2000. It submitted the data to support, in part, a risk-informed basis for continued operation in response to NRC Bulletin 2001-01. The staff's discussions with FENOC in late November 2001 produced evidence that the inspections gave varying levels of assurance that cracking was not occurring in the nozzles. Most of the nozzles had been inspected at least once, and a majority had been sampled on more than one occasion. The nozzles that were not inspected were claimed by the licensee to be less susceptible to circumferential cracking because of their location.

Upon review of this information, and after viewing videotapes provided by FENOC from the prior inspections in 1996 and 1998, the staff concluded that, while the 1996 inspection was a fairly complete visual inspection of the head, the 1998 inspection was more limited in scope and quality because of the presence of boric acid deposits, which FENOC indicated were the result of CRDM flange leaks. FENOC further stated that the inspection conducted in 2000 was less effective, again because of the presence of boric acid deposits. Therefore, the staff did not give FENOC credit for the 1998 and 2000 inspections in the risk analysis. In other words, the staff did not find the 1998 and 2000 inspection data to be acceptable.

Based on experiential evidence gathered from inspections at other plants, such as Oconee Units 2 and 3 and Crystal River, Unit 3, there was no reason to expect that a corrosive environment could exist under the operating conditions at the reactor vessel head. Any reactor coolant that leaked from a nozzle or flange was thought to evaporate immediately at those high temperatures, leaving only a non-corrosive boric oxide powder.

The flanges above the Davis-Besse reactor vessel were known to leak. FENOC initiated corrective action to replace or repair a number of flanges each outage. The boron that obscured visual inspection of portions of the head was thought to have resulted from this flange leakage. FENOC stated to the staff that inspection results showed no evidence attributable to CRDM leakage due to nozzle cracking.

In a series of written submittals and presentations at NRC headquarters between October 2, 2001, and November 30, 2001, FENOC provided analyses of the frequency of a postulated Loss of Coolant Accident (LOCA) as a result of CRDM nozzle ejection and by circumferential cracking. It proposed a set of interim compensatory measures to mitigate the additional risk associated with the increased LOCA frequency. First, FENOC moved its shutdown date forward from March 31, 2002, to February 16, 2002. They also committed to lower the operating temperature of the upper head from 605° F to 598° F. However, this reduction in temperature was estimated to represent a very small decrease in the growth of any axial or circumferential cracks that might exist. In addition, FENOC proposed actions to increase the

reliability of emergency core cooling systems in the event of a CRDM nozzle ejection. These actions included the use of a dedicated operator to perform a number of manual actions outside of the control room, which are required for switch-over to the recirculation mode of the emergency core cooling system (ECCS) in the event of a LOCA. Failure of switch-over is a principal contributor to ECCS failure in the Davis-Besse probabilistic risk assessment. Other precautions to maximize the availability of ECCS equipment were included in FENOC's commitments. These compensatory measures were documented in a letter dated November 30, 2001. FENOC provided estimates of the changes in the probability of core damage and large early release due to those compensatory actions.

The NRC staff reviewed the base case risk calculations provided in FENOC's November 1, 2001, submittal and in subsequent presentations, and performed sensitivity analyses to determine the effect of prior inspections on risk. The staff also considered FENOC's evaluation provided in support of the interim compensatory measures. The staff estimated that, giving credit only for the inspection in 1996, the probability of a nozzle ejection during the period of operation from December 31, 2001, to February 16, 2002, was in the range of $2\text{E-}3$ per reactor-year. This probability represented an increase in overall LOCA probability for the plant. The increase in core damage probability and large early release probability were estimated as approximately $5\text{E-}6$ per reactor-year and $5\text{E-}8$ per reactor-year, respectively.

The staff concluded that a LOCA due to CRDM nozzle ejection during the period of operation from December 31, 2001, to February 16, 2002, was unlikely and, given the conditional core damage and containment failure probabilities for such an event, the overall risk increase would be small. This conclusion was based on the weight of evidence, including the structural margins to failure in CRDM nozzles with identified circumferential cracks at other plants, a comparison of operating time for Davis-Besse compared with other plants of similar designs, the favorable inspection results from the 1996 outage, and the staff's review of probabilistic safety assessment calculations submitted by the licensee.

The staff concluded that the small increase in LOCA probability, the low conditional core damage probability, and the low conditional containment failure probability meant that defense-in-depth was preserved, although leakage from the reactor coolant pressure boundary was likely. The staff further concluded that, while the structural margins of some CRDM nozzles were believed to be reduced, sufficient margin remained to maintain safety and prevent a LOCA. The staff concluded that the change in core damage frequency due to the potential for CRDM nozzle ejection was consistent with the guidelines of RG 1.174.

Based on experiential evidence gathered from inspections performed at numerous other plants, the staff had no reason to believe that a corrosive environment existed. The decision to allow Davis-Besse to continue to operate until February 16, 2002, was based on the existence of substantial margin of safety, defense-in-depth, unlikelihood of CRDM nozzle ejection, experiential evidence, and engineering judgment.

Question 6:

Why did NRC staff fail to complete, before December 4, 2001, the documented safety rationale to support its December 4, 2001, decision to allow Davis-Besse to operate until February 16, 2002?

Response 6:

The purpose of the NRC's December 4, 2001, letter to FENOC was to formally document the conclusion of the staff's interactions with FENOC to determine if a technical basis existed for Davis-Besse to operate beyond the December 31, 2001, target date (contained in the NRC's Bulletin 2001-01) for completion of inspections. The process followed in the staff's interaction with FENOC was an open one wherein the staff challenged FENOC in a number of public meetings and in correspondence regarding its technical bases. The NRC's December 4, 2001, letter referred to these various meetings and correspondence to, in part, provide the technical basis for the conclusion that Davis-Besse could operate until February 16, 2002, and not until March 31, 2002, as originally requested. The letter also stated that the staff's assessment regarding closeout of Bulletin 2001-01 would be forwarded under separate correspondence in the near future. This assessment was not issued until December 3, 2002. The staff's failure to provide this documentation in a timely manner resulted primarily from a failure to track the commitment. Also contributing to this oversight was a heavy workload during this time period that included closeout of Bulletin 2001-01 for other plants and development of an action plan to address the control rod drive nozzle cracking issue.

By memorandum dated December 30, 2002, the OIG issued a report regarding NRC staff's decision to permit Davis-Besse to operate until February 16, 2002, which was beyond the December 31, 2001, date in Bulletin 2001-01. The report included five specific findings. In one of the five findings, the OIG found that the NRR staff did not document its analytical bases and conclusions supporting its decision to allow FENOC to operate Davis-Besse until February 16, 2002. In a memorandum to the OIG, dated January 8, 2003, former Chairman Meserve stated, in response to this finding, that the staff should have documented the basis for the decision at an earlier stage.

To address the OIG finding, former Chairman Meserve's memorandum stated, "I have directed the Executive Director for Operations to ensure that actions are taken to ensure that these oversights do not occur again." In response to this directive, the guidance to NRR DLPM project managers on documenting the decision-making process has been updated. The new guidance provides NRC management expectations for project managers to document plant-related issues promptly. The OIG finding relates to a single occurrence of the NRR staff failing to properly document the decision-making process and it is not necessarily indicative of a widespread problem. However, since the requirements for documenting the decision-making process are applicable not only to NRR DLPM project managers, a training package has been prepared and distributed to other NRC offices.

Listing of Records Concerning Vessel Head Degradation at Davis-Besse				
Requested by Congressmen Tauzin & Gillmor				
Item No. (note 1)	Record Title	Est. Volume	Date	Disposition (note 2)
A-018	Meeting Notice, Meeting with FirstEnergy Nuclear Operation Company, Davis-Besse Nuclear Power Station, ML012890408	4 pages	10/18/01	Public
A-019	Meeting Summary with FirstEnergy Nuclear Operating Co. to Discuss the Licensee's Response to Bulletin 2001-001, ML012980360	6 pages	10/24/01	Public
A-020	Meeting Notice, 11/08/2001 Closed Meeting with FirstEnergy Nuclear Operating Company, ML013110667	4 pages	11/07/01	Public
A-021	Meeting Notice, Notice of 11/14/2001 Meeting with FirstEnergy Nuclear Operation Company, Framatome ANP, and Structural Integrity Associates, Inc. to Discuss Control Rod Mechanism Crack Growth Rate Model Application to Davis-Besse Nuclear Power Station, Unit 1, ML013170209	4 pages	11/13/01	Public
A-022	Memoranda from F. Reinhart to A. Mendiola, Safety Evaluation of Davis-Besse Nuclear Power Station Request to Extend the Allowed Outage Time for One Low Pressure Injection/Decay Heat Cooler Train and One Containment Spray System Train, ML013180320	8 pages	11/15/01	Non-public Predecisional
A-023	Memoranda from S. Collins to W. Travers, Issuance of Orders Regarding Responses to Nuclear Regulatory Commission (NRC) Bulletin 2001-01, ML013170422	25 pages	11/16/01	Non-public Predecisional
A-024	Meeting Summary of 11/14/2001 Meeting to Discuss the Licensee's Response to Bulletin 2001-01, ML013190336	4 pages	11/19/01	Public
A-025	Meeting Summary of 11/08/2001, Meeting with FirstEnergy Nuclear Operation to Discuss the Licensee's Response to Bulletin 2001-01, ML013240016	4 pages	11/26/01	Public
A-026	Meeting Notice, 11/28/2001 Meeting with FirstEnergy Nuclear Operation to Discuss Information Related to Supplemental Information RE: Inspection Plans & Commitments for Davis-Besse Nuclear Power Station, Unit 1, in Response to NRC Bulletin 2001-01, ML013310537	4 pages	11/27/01	Public
A-027	Meeting Summary of November 9, 2001 Meeting with FirstEnergy Nuclear Operation Company to Discuss the Licensee's Response to Bulletin 2001-01, ML013190300	5 pages	11/28/01	Public

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Item No. (note 1)	Record Title	Est. Volume	Date	Disposition (note 2)
A-028	Meeting Summary of November 27, 2001, Public Meeting to Discuss the Licensee's Response to Bulletin 2001-01, ML013340215	5 pages	12/12/01	Public
A-029	Memoranda from S. Sands to File, Davis-Besse Nuclear Power Station, Unit 1 - Receipt of Draft Letter Identifying Commitments RE: Bulletin 2001-01, ML013480407	7 pages	12/20/01	Public
A-036	Note to Commissioner Assistants from John Craig re: Status of Dialogue Between NRC and Licensees Regarding Circumferential Cracking of Reactor Pressure Vessel Head Penetration Nozzles	5 pages	10/31/01	Non-public Predecisional
A-052	Draft memo S. Sands, NRR, to File, Re: Davis-Besse Receipt of draft letter identifying commitments	8 pages	Unknown	Non-public Predecisional
A-053	Draft inserts "On August 3, 2001, the staff issued Bulletin 2001-01 .."	2 pages	Unknown	Non-public Predecisional
A-054	From J. Zimmerman Draft Re: Status of the staff's review of FirstEnergy Nuclear Operating Company's (FENOC'S) bulletin 2001-01 response	2 pages	Unknown	Non-public Predecisional
A-055	Draft NRC orders Davis-Besse to shut down by December 31 to perform reactor vessel head penetration nozzle inspections	2 pages	Unknown	Non-public Predecisional
A-056	Draft inserts "NRC staff has completed its review of licensee response to Bulletin 2001-01 ..."	1 page	Unknown	Non-public Predecisional
A-057	Draft Davis-Besse Bulletin 2001-01, " Circumferential Cracking of Reactor Pressure Vessel Head Penetration nozzles," Response and Staff Interaction with the Licensee	2 pages	Unknown	Non-public Predecisional
A-058	Outline for phone calls with licensees for: Davis-Besse, H.B. Robinson, North Anna Unit 2 & Surry Unit 2	2 pages	Unknown	Non-public Predecisional
A-059	Current status of high susceptibility plants that may receive orders	3 pages	Unknown	Non-public Predecisional
A-060	NRR Notification of Significant Licensing Action	3 pages	Unknown	Non-public Predecisional
A-061	Draft graphs for flaw curves and stress intensity factors	3 pages	Unknown	Non-public Predecisional
A-062	Curve for Davis-Besse Conditions	1 page	Unknown	Non-public Predecisional
A-063	Memo from W. Jensen, NRR, to S. Dinsmore, NRR, Re: CRDM Thimble Rupture Sensitivity Study	4 pages	08/01/01	Public
A-064	Resource Estimates for VHP Bulletin Response Review & Additional Supports	2 pages	08/01/01	Public
A-065	Memo from J. Strosnider, NRR, & M. Mayfield, RES, to S. Collins, NRR, Re: Results of Independent Evaluation of Recent Reactor Vessel Head Penetration Cracking	10 pages	09/07/01	Public

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Item No. (note 1)	Record Title	Est. Volume	Date	Disposition (note 2)
A-066	White Paper-Policy for Issuance of Orders to Utilities Licensed to Operate Nuclear Power Generation Facilities [S. Long, NRR, WP file "NRC Policy for Issuing Orders R6]	12 pages	09/10/01	Public
A-067	Plants with Cracking/Leaking history (BIN 1) and high susceptibility plants (BIN 2)	2 pages	10/10/01	Non-public Predecisional
A-068	Draft RAI on Davis-Besse Response to the Bulletin	2 pages	10/12/01	Public
A-069	Plants with Cracking/Leaking history (BIN 1) and high susceptibility plants (BIN 2)	2 pages	10/15/01	Non-public Predecisional
A-070	E-mail from J. Zimmerman to S. Rosenberg Draft Paper, Re: Davis-Besse Bulletin 2001-01, "Circumferential Cracking of Reactor Pressure Vessel Head Penetration Nozzles," Response and Staff Interaction with the Licensee	2 pages	10/16/01	Public
A-071	Plants with Cracking/Leaking history (BIN 1) and high susceptibility plants (BIN 2)	2 pages	10/17/01	Non-public Predecisional
A-072	Plants with Cracking/Leaking history (BIN 1) and high susceptibility plants (BIN 2)	3 pages	10/18/01	Non-public Predecisional
A-073	Plants with Cracking/Leaking history (BIN 1) and high susceptibility plants (BIN 2)	3 pages	10/22/01	Non-public Predecisional
A-074	Memo from J. Zimmerman, NRR, to E. Adensam NRR Project Directors, Re: Completion of staff reviews of selected moderate low susceptibility ranked plant responses to bulletin 2001-01	7 pages	10/26/01	Public
A-075	Plants with Cracking/Leaking history (BIN 1) and high susceptibility plants (BIN 2)	2 pages	11/05/01	Non-public Predecisional
A-102	Status Report: NRC Bulletin 2001-01: Circumferential Cracking of Reactor Pressure Vessel Head Penetration Nozzles (Non Identical)	9 pages	Unknown	Non-public Predecisional
A-107	Internal Status Reports on Bulletin Responses (from 11/16/01 thru 5/24/02)	88 pages	11/16/01	Non-public Predecisional
A-109	Davis-Besse Plant Performance Summary	4 pages	Unknown	Non-public Predecisional
A-121	Boric Acid Corrosion of the Vessel Head NUREG/CR-6245	3 pages	Unknown	Public
A-123	Memo to C.S.Thomas, from D.Simpkins Re: Davis-Besse Outage dates moved	3 pages	12/04/01	Non-public Predecisional
A-127	Draft Milestone Chart	3 pages	Unknown	Non-public Predecisional
A-155	Memo from Jacobson to Lipa Re: Davis-Besse DRS input to Integrated Report 50-346/01-15 (DRP)	6 pages	12/17/01	Non-public Predecisional
A-156	Memo from Riemer to Lipa Re: Davis-Besse DRS Input to Integrated Report 50-346/01-13(DRP)	11 pages	12/07/01	Non-public Predecisional
A-162	Davis-Besse DRS Input to Plant Performance Summary	8 pages	Unknown	Non-public Predecisional
A-163	Guidance for DRS End-of-Cycle Inputs	2 pages	Unknown	Non-public Predecisional

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Item No. (note 1)	Record Title	Est. Volume	Date	Disposition (note 2)
A-164	Davis-Besse DRS Input to Plant Performance Summary Assessment Period 4/01/01-12/29/01	2 pages	Unknown	Non-public Predecisional
A-165	Davis-Besse DRS Input to Plant Performance Summary Assessment Period 4/01/01-12/31/01	2 pages	Unknown	Non-public Predecisional
A-166	Davis-Besse DRS (Security) Input to Plant Performance Summary Assessment Period 4/01/01-12/31/01	2 pages	Unknown	Non-public Predecisional
A-197	Draft Order Modifying License	19 pages	Undated	Non-public Predecisional
A-198	Draft Davis-Besse Nuclear Power Station, Unit No.1 - Issuance of Order	21 pages	Undated	Non-public Predecisional
A-199	Draft ltr S. Collins, NRR, to G. Campbell, First Energy, Re: Davis-Besse Issuance of Order Re: Responses to Bulletin	4 pages	Undated	Non-public Predecisional
A-200	Draft NRC Order Modifying License, Docket No. 50-346, License No. NPF-3 (Effective Immediately)	18 pages	Undated	Non-public Predecisional
A-201	Draft NRC Order Modifying License, Docket No. 50-346, License No. NPF-3, EA-01-0288 (Effective Immediately)	18 pages	Undated	Non-public Predecisional
A-202	Draft NRC Order Modifying License, Docket No. 50-346, License No. NPF-3 (Effective Immediately)	19 pages	Undated	Non-public Predecisional
A-203	Draft NRC Order Modifying License, Docket No. 50-346, License No. NPF-3 (Effective Immediately)	16 pages	Undated	Non-public Predecisional
A-204	Draft NRC Order Modifying License	17 pages	Undated	Non-public Predecisional
A-205	Draft ltr S. Collins, NRR, to G. Campbell, FirstEnergy, Re: Issuance of Order	4 pages	Undated	Non-public Predecisional
A-206	Draft memo S. Collins, NRR, to W. Travers, EDO, Re: Issuance of Orders... to Bulletin 2001-01...	21 pages	Undated	Non-public Predecisional
A-207	Draft NRC Order Modifying License, Docket No. 50-346, License No. NPF-3 (Effective Immediately) (12:56PM)	19 pages	11/06/01	Public
A-208	Memo S. Collins, NRR, to W. Travers, EDO, Re: Issuance of Orders Regarding Responses to NRC Bulletin w/attached Davis-Besse Order	21 pages	11/16/01	Public
A-209	Draft memo W. Travers, EDO, to Commissioners, Re: Issuance of order regarding response to NRC Bulletin 2001-01	2 pages	Undated	Non-public Predecisional

Listing of Records Concerning Vessel Head Degradation at Davis-Besse				
Requested by Congressmen Tauzin & Gillmor				
Item No. (note 1)	Record Title	Est. Volume	Date	Disposition (note 2)
A-210	Memo M. Cunningham, RES, to W. Bateman, NRR, Re: Statistical Analysis of CRDM Sampling (Revised)	3 pages	08/17/01	Public
A-211	Fax D. Simpkins, RIII, to J. Chung, NRR, Re: Pages from Davis Besse Emergency Plan (Transferring LPI Sunction to the Emergency Sump)	3 pages	12/18/01	Non-public Predecisional
A-212	Fax D. Simpkins, RIII, to J. Chung, NRR, Re: Davis Besse Standing Order Log Sheet No. 01-013, Rev. 0	1 page	12/19/01	Non-public Predecisional
A-213	Status Report: Bulletin 2001-01	8 pages	11/30/01	Non-public Predecisional
A-214	Daily Status Report: Bulletin 2001-01	4 pages	11/20/01	Public
A-215	Daily Status Report: Bulletin 2001-01	7 pages	11/20/01	Public
A-216	Daily Status Report: Bulletin 2001-01	8 pages	11/21/01	Public
A-238	Draft SE: Third 10-Year Interval Inservice Inspection Program Plan Request for Relief Nos. RR-A1, RR-A4 Through RR-A9, RR-A11 Through RR-A17, RR-B1, RR-B2, RR-B3, RR-C1, and RR-E7 for Davis-Besse Nuclear Station Unit 1	46 pages	unknown	Non-public Predecisional
A-268	Emergency Tasks - EMC Contract	2 pages	unknown	Non-public Contract Related
A-272	Plants having Moderate Susceptibility to PWSCC	1 page	12/20/01	Non-public Predecisional
A-0275	Memorandum from J. Murphy, CRGR Chairman, to W. Travers, EDO; Minutes of the CRGR Meeting Number 364	46	07/11/01	Non-public Predecisional
A-0276	Memorandum from J. Murphy, CRGR Chairman, to W. Travers, EDO; Minutes of the CRGR Meeting Number 365	21	10/19/01	Non-public Proprietary
A-0277	Memorandum from J. Murphy, CRGR Chairman, to W. Travers, EDO; Minutes of the CRGR Meeting Number 368	26	04/19/02	Public
A-0280	Draft Version of Davis-Besse Order	18	unknown	Public
A-0281	Draft Version of Davis-Besse Order	19	unknown	Public
A-0282	Letter from G. Apostolakis, Chairman ACRS, to Chairman Meserve; Circumferential Cracking of PWR Vessel Head Penetrations	4	07/23/01	Non-public Predecisional
A-0287	Advisory Committee on Reactor Safeguards 491st Meeting CRDM Penetration Cracking and RPV Head Degradation, Status Report	3	04/11/02	Public
A-0288	Reactor Vessel Head Degradation References	1	Unknown	Public
A-0289	Memorandum to W. Travers from S. Collins, Subject: Issuance of Order Regarding Response to NRC Bulletin 2001-01 with enclosure	20	11/21/01	Non-Public Predecisional
A-0290	Memorandum to Commission from W. Travers, Subject: Issuance of Order Regarding Response to NRC Bulletin 2001-01 attaching 11/21/01 Memorandum to W. Travers from S. Collins with enclosures	21	11/21/01	Non-Public Predecisional
A-0291	Memo to the Commission from W. Travers, Subject:	1	12/06/01	Non-Public

Listing of Records Concerning Vessel Head Degradation at Davis-Besse				
Requested by Congressmen Tauzin & Gillmor				
Item No. (note 1)	Record Title	Est. Volume	Date	Disposition (note 2)
	Status of FirstEnergy Nuclear Operating Company Response to NRC Bulletin 2002-01			Predecisional
A-0292	Revised Questions for Staff re: Responses to Bulletin 2001-01	1	Unknown	Non-Public Predecisional
A-0293	Memorandum to the Commission from W. Travers, Subject: Issuance of Order Regarding Response to NRC Bulletin 2001-01; attaching Memorandum to W. Travers from S. Collins, Subject: Issuance of an Order for Davis-Besse Nuclear Power Station, Unit 1, Regarding Response to NRC Bulletin 2001-01	21	11/21/01	Public
A-0294	Daily Status Report, Re: Unresolved Reports to the Bulletin 2001-01	8	11/19/01	Public
A-0295	Draft Memo S. Collins, NRR, to W. Travers, EDO Re: Issuance of an Order for Davis-Besse Response to NRC Bulletin	21	Unknown	Public
A-0296	Draft NRC Order Modifying License...(Effective Immediately)	19	Unknown	Public
A-0297	W. Travers, EDO to G. Apostolakis, ACRS Re: Response to July 23, 2001, ACRS Letter to Chairman Meserve, "Circumferential Cracking of PWR Vessel Head Penetrations"	2	08/21/01	Public
A-0298	D. Roberts to Chairman Meserve, Re: Staff's intention to issue order requiring plants to conduct inspections....., with enclosures	45	10/05/01	Non-public Predecisional
A-0300	Draft 2002-xx Bulletin on Reactor Pressure Vessel Head and Vessel Head Penetration Inspection Program	12	Unknown	Public
A-0301	Memorandum from W. Travers to Commission, Re: Status of FirstEnergy Response to NRC Bulletin 2001-01	1	12/06/01	Public
A-0306	Notes of Brian McCabe on Memorandum to Chairman Meserve and Commissioners Dicus, Diaz, McGaffigan and Merrifield from William D. Travers re: Issuance of Order Regarding Response to Nuclear Regulatory Commission (NRC) Bulletin 2001-01, "Circumferential Cracking of Reactor Pressure Vessel Head Penetration Nozzles"	21	11/21/01	Non-Public Predecisional
A-0307	Notes of Brian McCabe (OCM) on Executive Director of Operations Brief Package/Wednesday, October 2, 2001	6	10/02/01	Non-Public Predecisional
B-0002	E-mail from Lawrence Chandler re: Davis-Besse Order	1 page	11/07/01	Public
B-0002a	E-mail from Deanna Clarke re: 11/16/01; Issuance of Orders Regarding Responses to Nuclear Regulatory...	1 page	11/27/01	Public
B-0002b	E-mail from Lawrence Burkhart re: Davis-Besse Order	1 page	11/07/01	Public
B-0002c	E-mail from Lawrence Burkhart FWD: Risk Word mods for Latest Davis-Besse Order	5 pages	11/07/01	Non-public Predecisional
B-0003	E-mail from Lawrence Chandler re: EDO Staff Comments on Orders	2 pages	11/19/01	Non-public Predecisional

Listing of Records Concerning Vessel Head Degradation at Davis-Besse				
Requested by Congressmen Tauzin & Gillmor				
Item No. (note 1)	Record Title	Est. Volume	Date	Disposition (note 2)
B-0003a	E-mail from Mitzi Young re: EDO Staff Comments on Orders	2 pages	11/19/01	Non-public Predecisional
B-0004	E-mail from Lawrence Chandler re: Fwd: Davis-Besse Meeting 11/14/01	1 page	11/13/01	Public
B-004a	E-mail from Giovanna Long re: Davis-Besse Meeting 11/14/01	1 page	11/13/01	Public
B-0004b	E-mail from Douglas Pickett re: Fwd: Davis-Besse Meeting 11/14/01	5 pages	11/13/01	Public
B-0005	E-mail from Mitzi Young re: Bulletin 2001-01 ET Briefing Slides Rescheduled	10 pages	09/25/01	Non-public Predecisional
B-0006	E-mail from Giovanna Longo re: Results of meeting today at 3pm	1 page	11/02/01	Public
B-0007	E-mail from Jacob Zimmerman re: Daily Status Report on Bulletin 2001-01	8 pages	11/16/01	Public
B-0008	E-mail from Lawrence Burkhart re: Daily Status Report - DSR (email only)	9 pages	11/19/01	Public
B-0009	E-mail from Allen Hiser re: EDO Staff Comments on Orders	2 page	11/19/01	Public
B-0010	E-mail from Lawrence Burkhart re: Daily Status Report for 11/20/01	10 pages	11/20/01	Public
B-0011	E-mail from Lawrence Burkhart re: Daily Status Report for Wednesday 11/21/01	10 pages	11/21/01	Public
B-0012	E-mail from Lawrence Burkhart re: Daily Status Report for 11/17/01 (Bulletin 2001-01 Issues)	10 pages	11/17/01	Non-public Predecisional
B-0013	E-mail from Lawrence Chandler re: Davis-Besse Mtg Postponed til 1 p.m. due to fog	1 page	11/29/01	Non-public Predecisional

Listing of Records Concerning Vessel Head Degradation at Davis-Besse				
Requested by Congressmen Tauzin & Gillmor				
Item No. (note 1)	Record Title	Est. Volume	Date	Disposition (note 2)
B-0014	E-mail from Jacob Zimmerman re: Bulletin 2001-01 Status Report	9 pages	11/30/01	Non-public Predecisional
B-0015	E-mail from Jacob Zimmerman re: Bulletin 2001-01 Status Report	9 pages	12/07/01	Public
B-0016	E-mail from Jacob Zimmerman re: Bulletin 2001-01 Status Report	9 pages	12/14/01	Public
B-0116	E-mail from W. Shack, Argonne National Lab, to C. Niles, E. Hackett, & W. Norris, RES, Re: CRDM Probabilistic Analysis	13 pages	08/27/01	Public
B-0117	E-mail from J. Zimmerman, NRR, to PWR PMs & Management, Re: Bulletin 2001-01 Project Manager Guidance	20 pages	08/31/01	Public
B-0118	E-mail from M. Kotzalas, NRR, to A. Heiser, NRR, et. al., Re: Staff Comments on Davis-Besse Bulletin Response	3 pages	09/12/01	Public
B-0119	E-mail from I. Jung, NRR, to A. Heiser, NRR, et. al., Re: Table	2 pages	09/12/01	Non-public Predecisional
B-0120	E-mail from I. Jung, NRR, to A. Heiser, NRR, et. al., Re: Modified Table	2 pages	09/13/01	Non-public Predecisional
B-0121	E-mail from A. Hiser, NRR to CRDM Reviewers, Re: Summary of staff review of bulletin responses	5 pages	09/18/01	Non-public Predecisional
B-0122	E-mail from J. Zimmerman, NRR, to R. Barrett, NRR, et. al., Re: Draft Slides for 9/25/01 ET Briefing on Bulletin 2001-01	11 pages	09/24/01	Non-public Predecisional
B-0123	E-mail from S. Long, NRR, to J. Chung, NRR, Re: Adequate Protection insert for Medoff's CRDM White Paper	3 pages	09/27/01	Public
B-0124	E-mail from F. Reinhart, NRR, to B. Bateman, J. Medoff, NRR, Re: Forwarding of Predecisional, Draft orders to Brian Sheron for review	2 pages	10/02/01	Public
B-0125	E-mail from A. Hiser, NRR, to B. Bateman, NRR, Re: Observed CRDM Cracking	1 page	10/11/01	Public
B-0126	E-mail from A. Hiser, NRR, to B. Bateman, et al., Re: Relevant CRDM Numbers	1 page	10/12/01	Public
B-0127	E-mail from L. Burkhart, NRR, to S. Rosenberg, EDO, Re: Fwd: CRDMs	4 pages	10/15/01	Public
B-0128	E-mail from J. Strosnider, NRR, to L. Burkhart, NRR, Re: Revised Response to EDO Questions	3 pages	10/15/01	Public

Listing of Records Concerning Vessel Head Degradation at Davis-Besse				
Requested by Congressmen Tauzin & Gillmor				
Item No. (note 1)	Record Title	Est. Volume	Date	Disposition (note 2)
B-0129	E-mail from L. Burkhardt, NRR, to B. Sheron, NRR, Re: Answers to EDO Questions	6 pages	10/15/01	Non-public Predecisional
B-0130	E-mail from L. Burkhardt, NRR, to B. Sheron, NRR, Re: Initiating Event Frequencies	1 page	10/15/01	Public
B-0131	E-mail from A. Hiser, NRR, to M. Reinhart, NRR, Re: Fwd: Finite Element Gap Analysis of Davis-Besse CRDM Penetrations	1 page	10/15/01	Public
B-0132	E-mail from D. Pickett, NRR, to A. Hiser, B. Bateman, et al., NRR, RE: Fwd: Finite Element Gap Analysis of Davis-Besse CRDM Penetrations	1 page	10/15/01	Public
B-0133	E-mail from D. Pickett, NRR, to A. Hiser, B. Bateman, et al., Re: Fwd: Crack Growth Rate Calculations	1 page	10/15/01	Public
B-0134	E-mail from A. Hiser, NRR, to M. Reinhart, NRR, Re: Fwd: Reactor Vessel Head Nozzle & Weld Safety Assessment	1 page	10/15/01	Public
B-0135	E-mail from D. Pickett, NRR, to A. Hiser, B. Bateman, et al., NRR, Re: Fwd: Reactor Vessel Head Nozzle & Weld Safety Assessment	1 page	10/15/01	Public
B-0136	E-mail from F. Reinhart, NRR, to I. Jung, J. Chung, S. Long, NRR, Re: Fwd: Reactor Vessel Head Nozzle & Weld Safety Assessment	1 page	10/16/01	Public
B-0137	E-mail from F. Reinhart, NRR, to I. Jung, J. Chung, S. Long, NRR, Re: Fwd: Finite Element Gap Analysis of Davis-Besse CRDM Penetrations	1 page	10/16/01	Public
B-0138	E-mail from A. Hiser, NRR, to A. Lee, et al., Re: Davis-Besse Report	1 page	10/17/01	Public
B-0139	E-mail from F. Reinhart, NRR, to A. Hiser, NRR, Re: RAIs for Davis-Besse	1 page	10/17/01	Public
B-0140	E-mail from A. Hiser, NRR, to A. Lee, NRR, et al., Re: CRDM Scorecard	7 pages	10/18/01	Non-public Predecisional
B-0141	E-mail from D. Pickett, NRR, to A. Hiser, NRR, et al., Re: Docketed Responses Here	1 page	10/18/01	Public
B-0142	E-mail from L. Burkhardt, NRR, to R. Croteau, OCM, et al., Re: Bulletin 2001-01 Tables	3 pages	10/18/01	Non-public Predecisional
B-0143	E-mail from J. Strosnider, NRR, to B. Bateman, NRR, et al., Re: Request from EDO on Bulletin 2001-01	1 page	10/18/01	Public
B-0144	E-mail from A. Hiser, NRR to J. Chung, NRR, Re: Davis-Besse RAIs	1 page	10/18/01	Public
B-0145	E-mail from F. Reinhart, NRR, to I. Jung, J. Chung, S. Long, NRR, Re: Fwd: Davis-Besse Questions	1 page	10/18/01	Public

Listing of Records Concerning Vessel Head Degradation at Davis-Besse				
Requested by Congressmen Tauzin & Gillmor				
Item No. (note 1)	Record Title	Est. Volume	Date	Disposition (note 2)
B-0146	E-mail from A. Hiser, NRR, to S. Long, NRR, Re: Davis-Besse Questions	1 page	10/18/01	Public
B-0147	E-mail from J. Chung, NRR, to A. Hiser, NRR, Re: RAI for Davis-Besse	1 page	10/18/01	Public
B-0148	E-mail from John Zwolinski, NRR, to A. Hiser, NRR, et al., Re: Fwd: Crack Growth Rate Calculations w/att 10/19/01 e-mail D. Wuokko, First Energy, to D. Pickett, NRR	3 pages	10/19/01	Public
B-0149	E-mail from L. Burkhardt, NRR, to A. Hiser, NRR, et al., Re: Meetings with Davis-Besse and Robinson	1 page	10/19/01	Public
B-0150	E-mail from L. Burkhardt, NRR, to D. Pickett, NRR, et al., Re: Meetings Next Week	1 page	10/19/01	Public
B-0151	E-mail from J. Zimmerman, NRR, to L. Burkhardt, NRR, Re: Bulletin 2001-01	1 page	10/19/01	Public
B-0152	E-mail from A. Hiser, NRR, to J. Chung, NRR, Re: Davis-Besse RAIs	1 page	10/19/01	Public
B-0153	E-mail from B. Bateman, NRR, to L. Burkhardt, NRR, Re: Fwd: Re: Request from EDO on Bulletin 2001-01	1 page	10/22/01	Public
B-0154	E-mail from L. Burkhardt, NRR, to J. Strosnider, NRR, et al., Re: Bulletin 2001-01	1 page	10/22/01	Public
B-0155	E-mail from L. Burkhardt, NRR, to D. Loveless, RGN-IV, Re: Bulletin 2001-01	1 page	10/22/01	Public
B-0156	E-mail from D. Pickett, NRR, to A. Hiser, NRR, et al., Re: Fwd: Participants and Agenda	1 page	10/23/01	Public
B-0157	E-mail from D. Pickett, NRR, to A. Hiser, et al., NRR, Re: Fwd: Proprietary Documents	1 page	10/23/01	Public
B-0158	E-mail from J. Zwolinski, NRR, to L. Burkhardt, NRR, Re: Products Needed	1 page	10/24/01	Public
B-0159	E-mail from A. Hiser, NRR, to A. Lee, NRR, et. al., Re: Fwd: products needed	4 pages	10/25/01	Non-public Predecisional
B-0160	E-mail from D. Pickett, NRR, to L. Burkhardt, NRR, et al., Re: Info	1 page	10/25/01	Public
B-0161	E-mail from D. Pickett, NRR, to L. Burkhardt, NRR, et al., Re: RAI Request	1 page	10/25/01	Public
B-0162	E-mail from J. Zwolinski, NRR, to L. Burkhardt, NRR, Re: Fwd: Re: CRDM Summary	1 page	10/26/01	Public
B-0163	E-mail from J. Zimmerman, NRR, to S. Rosenberg, EDO, Re: Status of Bulletin 2001-01 Issues	5 pages	10/30/01	Non-public Predecisional
B-0164	E-mail from D. Pickett, NRR, to L. Burkhardt, NRR, Re: Draft Orders	1 page	10/30/01	Public
B-0165	E-mail from G. Edison, NRR, to L. Burkhardt, NRR, Re: Draft Orders	1 page	10/30/01	Public
B-0166	E-mail from J. Zwolinski, NRR, to L. Burkhardt, NRR, Re: Draft Orders	1 page	10/30/01	Public

Listing of Records Concerning Vessel Head Degradation at Davis-Besse				
Requested by Congressmen Tauzin & Gillmor				
Item No. (note 1)	Record Title	Est. Volume	Date	Disposition (note 2)
B-0167	E-mail from J. Zimmerman, NRR, to L. Burkhardt, NRR, et al., Re: Davis-Besse Responses to RAI, Results of Rx Vessel CRDM Visual Exam, etc.	1 page	10/31/01	Public
B-0168	E-mail from J. Strosnider, NRR to A. Hiser, NRR, et al., Re: CRDM Order	2 pages	11/01/01	Public
B-0169	E-mail from A. Lee, NRR, to A. Hiser, NRR, et al., Re: Slide Input for 11-05 ET Brief	5 pages	11/01/01	Public
B-0170	E-mail from K. Johnson, NRR to L. Burkhardt, NRR, Re: Meeting Re: Orders Rescheduled to Friday at 9 AM	1 page	11/01/01	Public
B-0171	E-mail from S. Sands, NRR, to L. Burkhardt, NRR, Re: Meeting Re: Orders Rescheduled to Friday at 9 AM	1 page	11/01/01	Public
B-0172	E-mail from J. Zimmerman, NRR, to CRDM Comm. Team Re: 11/08/01 Meeting with NEI, MRP, & PWR Licensees on CRDMs	1 page	11/01/01	Public
B-0173	E-mail from A. Lee, NRR, to A. Hiser, NRR, et al., Re: Slide Input for 11-05 EDO Brief (Revised)	5 pages	11/02/01	Public
B-0174	E-mail from J. Strosnider to J. Zimmerman re: Final Agenda for 11/09/01 briefing	3 pages	11/03/01	Public
B-0175	E-mail from L. Burkhardt, NRR, to J. Strosnider, NRR, Re: Fwd: Revised Davis-Besse Order	1 page	11/04/01	Public
B-0176	E-mail from J. Strosnider, NRR, to A. Hiser, NRR, et al., Re: CRDM Documents	1 page	11/04/01	Public
B-0177	E-mail from A. Lee, NRR, to A. Hiser, NRR, et al., Re: Latest Version of Order for D-B	1 page	11/05/01	Public
B-0178	E-mail from D. Pickett, NRR to G. Dick, NRR, et al., Re: Copies of Photos for EDO Brief Today	1 page	11/05/01	Public
B-0179	E-mail from A. Hiser, NRR, to J. Zimmerman, NRR, Re: Slides for EDO Brief	7 pages	11/05/01	Public
B-0180	E-mail from L. Burkhardt, NRR, to A. Hiser, NRR, et al., Re: Updated Tables	3 pages	11/05/01	Non-public Predecisional
B-0181	E-mail from L. Burkhardt, NRR, to A. Hiser, NRR, et al., Re: Updated Order	3 pages	11/05/01	Non-public Predecisional
B-0182	E-mail from L. Burkhardt, NRR, to D. Pickett, NRR, Re: Today's Briefing	1 page	11/05/01	Public
B-0183	E-mail from L. Burkhardt, NRR, to A. Hiser, NRR, et al., Re: Fwd: Further Discussions re: Davis-Besse Order	1 page	11/05/01	Public
B-0184	E-mail from L. Burkhardt, NRR, to A. Hiser, NRR, et al., Re: Brief re: Status of Orders	1 page	11/05/01	Public

Listing of Records Concerning Vessel Head Degradation at Davis-Besse				
Requested by Congressmen Tauzin & Gillmor				
Item No. (note 1)	Record Title	Est. Volume	Date	Disposition (note 2)
B-0185	E-mail from B. Sheron, NRR, to L. Burkhardt, NRR, Re: Fwd: October 31st Note Regarding CRDM Cracking (Questions from EDO)	1 page	11/05/01	Public
B-0186	E-mail from D. Pickett, NRR, to A. Hiser, NRR, et al., Re: Davis-Besse Shutdown Costs	1 page	11/05/01	Public
B-0187	E-mail from S. Bajwa, NRR, to L. Burkhardt, NRR, Re: Fwd: Further Discussions Re: Davis-Besse Order	1 page	11/05/01	Public
B-0188	E-mail from S. Long, NRR, to L. Burkhardt, NRR, Re: SPSB Words for Davis-Besse Order	1 page	11/05/01	Public
B-0189	E-mail from J. Chung, NRR, to L. Burkhardt, NRR, Re: Fwd: Further Discussions re: Davis-Besse Order	1 page	11/06/01	Public
B-0190	E-mail from D. Pickett, NRR, to B. Bateman, NRR, Re: Davis-Besse Photos	1 page	11/06/01	Public
B-0191	E-mail from D. Pickett, NRR, to L. Burkhardt, NRR, Re: Davis-Besse Order	1 page	11/06/01	Public
B-0192	E-mail from B. Sheron, NRR, to B. Bateman, NRR, et al., Re: Call from S. Moffit @ Davis-Besse	1 page	11/06/01	Public
B-0193	E-mail from S. Bajwa, NRR, to A. Hiser, NRR, et al., Re: Davis-Besse Videotapes	1 page	11/06/01	Public
B-0194	E-mail from J. Zimmerman, NRR, to PWR PMs & Management, Re: Staff's Technical Assessment of VHP Nozzle Cracking	24 pages	11/06/01	Public
B-0195	E-mail from J. Zimmerman, NRR, to S. Long, NRR, Re: Pre-Meeting to discuss 1/8 Tech. Assessment Meeting & 11/9 ACRS Meeting	4 pages	11/06/01	Public
B-0196	E-mail from F. Reinhart, NRR, to J. Chung, S. Long, NRR, Re: Fwd: Call from S. Moffit @ Davis-Besse	1 page	11/06/01	Public
B-0197	E-mail from A. Hiser, NRR, to J. Chung, NRR, Re: Fwd: Revised Section	1 page	11/06/01	Public
B-0349	E-Mail from L. Burkhardt to A. Hiser, Re: My Latest on the Order	25 pages	10/15/01	Public
B-0350	E-Mail from B. Bateman to L. Burkhardt, Re: Order	25 pages	10/16/01	Public
B-0351	E-Mail from L. Burkhardt to J. Zimmerman, Re: Bulletin 2001-01	18 pages	10/26/01	Public
B-0352	E-Mail from W. Reckley to L. Burkhardt, Re: Draft Orders	18 pages	10/30/01	Public
B-0353	E-Mail from L. Burkhardt to A. Hiser et al, Re: Comments on Orders	18 pages	11/01/01	Public
B-0354	E-Mail from L. Burkhardt to A. Hiser, A. Mendiola, et al, Re: Meeting to Discuss Orders	17 pages	11/01/01	Public
B-0355	E-Mail from L. Burkhardt to A. Hiser, et al, Re: Davis-Besse Order	17 pages	11/02/01	Public
B-0356	E-Mail from A. Hiser to L. Lee, Re: Davis-Besse Order	17 pages	11/03/01	Public

Listing of Records Concerning Vessel Head Degradation at Davis-Besse				
Requested by Congressmen Tauzin & Gillmor				
Item No. (note 1)	Record Title	Est. Volume	Date	Disposition (note 2)
B-0357	E-Mail from A. Hiser to A. Lee and J. Strosnider, Re: DB Order (draft Order attached)	18 pages	11/03/01	Public
B-0358	E-Mail from A. Hiser to J. Strosnider, Re: Davis Besse Order (draft Order attached)	18 pages	11/03/01	Public
B-0359	E-Mail from J. Strosnider to L. Burkhart, Re: Revised Davis-Besse Order	18 pages	11/03/01	Non-public Predecisional
B-0360	Draft NRC Order Modifying License, Docket No. 50-346, License No. NPF-3 (Effective Immediately) (4:06PM)	19 pages	11/05/01	Public
B-0361	E-Mail from S. Long to L. Burkhart, Re: Latest Version of Order for D-B	18 pages	11/05/01	Public
B-0362	E-Mail from J. Strosnider to A. Lee et al, Re: CRDM Rule	19 pages	11/05/01	Public
B-0363	E-Mail from L. Burkhart to F. Reinhart, & M. Young, Re: Davis-Besse Order	39 pages	11/06/01	Public
B-0364	E-Mail from J. Zwolinski to L. Burkhart, Re: Latest Davis-Besse Order	19 pages	11/07/01	Public
B-0365	E-Mail from L. Burkhart to J. Zimmerman, Re: Latest Files	24 pages	11/08/01	Public
B-0366	E-Mail from L. Burkhart to B. Sheron et al, Re: Latest D-B Order	20 pages	11/19/01	Public
B-0367	E-Mail from L. Burkhart to V. Dricks, Re: Orders	23 pages	11/20/01	Public
B-0368	E-Mail from E. Hackett to D.O'Neal, F. Reinhart, and J. Chung, Re: Draft Insert for CRDM Order	1 page	10/01/01	Public
B-0369	E-Mail from D. Roberts, RII, to S. Rosenberg, EDO, Subject: CRDMs	1 page	10/12/01	Public
B-0370	E-Mail from D. Nelson to L. Burkhart, Re: Meeting to Discuss Orders	1 page	11/01/01	Public
B-0371	E-Mail from B. McCabe, OCM, to J. Craig, EDO, et al, Re: October 31st Note Regarding CRDM Cracking	1 page	11/05/01	Public
B-0372	E-Mail from S. Rosenberg, EDO, to J. Zimmerman, NRR, et al, Re: Fwd: October 31st Note Regarding CRDM Cracking	1 page	11/05/01	Public
B-0373	E-Mail from J. Zwolinski to L. Burkhart, Re: Davis-Besse Order	1 page	11/07/01	Public
B-0374	E-Mail from F. Reinhart to L. Burkhart, L. Chandler and M. Young, OGC, Re: Davis-Besse Order	2 pages	11/07/01	Public
B-0375	E-Mail from G. Longo, OGC, to M. Young, OGC, Re: EDO Memo and Davis-Besse Order	1 page	11/08/01	Public
B-0376	E-Mail from B. Sheron, NRR, to A. Hiser, NRR, et al, Re: Proposed Order	1 page	11/08/01	Public
B-0377	E-Mail from K. Hart, SECY, to Legal Assts, et al, Re: TA Briefing on Vessel Head Nozzle Cracking	1 page	11/13/01	Public

Listing of Records Concerning Vessel Head Degradation at Davis-Besse				
Requested by Congressmen Tauzin & Gillmor				
Item No. (note 1)	Record Title	Est. Volume	Date	Disposition (note 2)
B-0378	E-Mail from S. Rosenberg, EDO, to J. Zimmerman, NRR, Re: Fwd: TA Briefing on Vessel Head Nozzle Cracking	1 page	11/13/01	Public
B-0379	E-Mail from B. Sheron, NRR, to B. McCabe, OCM, et al., Re: Follow-up Question - CRDM	2 pages	11/15/01	Public
B-0380	E-Mail J. Zimmerman, NRR, to F. Jaxheimer, RGN-I, Re: Bulletin 2001-01 Status Update	1 page	11/16/01	Public
B-0381	E-Mail from W. Travers, EDO, to B. Sheron, NRR, et al., Re: Daily Status Report on Bulletin 2001-01	1 page	11/19/01	Public
B-0382	E-Mail from V. Dricks, OPA, to L. Burkhardt, NRR, Re: Orders	1 page	11/20/01	Public
B-0383	E-mail F. Eltawila, RES, to L. Burkhardt, NRR, Re: Daily Status Report for 11/20/01	1 page	11/21/01	Public
B-0384	E-mail V. Dricks, OPA, to L. Burkhardt, NRR, Re: CRDM orders draft press release	1 page	11/21/01	Public
B-0385	E-mail B. Mallett, RGN III, to J. Zimmerman, NRR, et al., Re: Daily Status Report on Bulletin 2001-01	1 page	11/21/01	Public
B-0386	E-Mail from B. McCabe, OCM, to S. Rosenberg, EDO, Re: Davis-Besse Order	2 pages	11/26/01	Non-public Predecisional
B-0387	E-Mail from A. Hiser, NRR, to B. Sheron, NRR, et al, Re: Fwd: Davis-Besse Order	2 pages	11/27/01	Non-public Predecisional
B-0388	E-Mail from S. Collins, NRR, to A. Hiser, NRR, et al., Re: Fwd: Davis-Besse Order	2 pages	11/28/01	Public
B-0389	E-Mail from C. Lipa, RIII, to D. Pickett & S. Sands, NRR, Re: Fwd: Re: Inspections of Davis-Besse's commitments	1 page	12/07/01	Public
B-0390	E-Mail from G. Grant, RIII, to C. Lipa, RIII, Re: Inspections of Davis-Besse's commitments	1 page	12/07/01	Public
B-0391	E-Mail from J. Zimmerman, NRR, to CRDM Comm. Team, Re: Bulletin 2001-01 Communication Team Meeting-Oct 4, 2001	2 pages	10/02/01	Non-public Predecisional
B-0392	E-Mail from A. Hiser, NRR, to D. Pickett, NRR, et al., Re: Davis-Besse RAls	6 pages	10/18/01	Non-public Predecisional
B-0393	E-Mail from S. Long, NRR to A. Hiser, et al, NRR, Re: Davis-Besse Questions	4 pages	10/18/01	Non-public Predecisional
B-0394	E-mail L. Burkhardt, NRR, to K. Jabbour, NRR, et al., Re: Public Meetings on 10/24/01 (Re: Bulletin 2001-01 Responses)	1 page	10/22/01	Public
B-0395	E-Mail from D. Pickett, NRR, to A. Hiser, NRR, et al, Re: Davis-Besse Meeting	5 pages	11/13/01	Non-public Predecisional
B-0396	E-Mail from L. Burkhardt, NRR, to J. Zimmerman, NRR, Re: The Low-Down	1 page	11/21/01	Non-public Predecisional
B-0397	E-mail D. Pickett, NRR, to L. Burkhardt, NRR, Re: Passcode	1 page	11/27/01	Non-public Predecisional
B-0398	E-mail S. Sands, NRR, to A. Hiser, NRR, et al., Re: Forthcoming Meeting with Davis-Besse	1 page	11/27/01	Non-public Predecisional
B-0399	E-Mail from L. Burkhardt, NRR, to B. Sheron, NRR, et al, Re: Daily Status Report for 11/27/01	10 pages	11/27/01	Non-public Predecisional

Listing of Records Concerning Vessel Head Degradation at Davis-Besse				
Requested by Congressmen Tauzin & Gillmor				
Item No. (note 1)	Record Title	Est. Volume	Date	Disposition (note 2)
B-0400	E-Mail from J. Zimmerman, NRR, to R. Borchardt, NRR, et. al, Re: Bulletin 2001-01 Status Report	9 pages	11/30/01	Non-public Predecisional
B-0401	E-Mail L. Burkhart, NRR, to A. Hiser, NRR, et al, Re: DSR for today	9 pages	11/30/01	Non-public Predecisional
B-0403	E-Mail from K. Zellers to T. Kozak, Subject: Fwd: Rx Vessel Heads Replacement @ Oconee	4 pages	04/17/01	Non-public Predecisional
B-0404	Email from T. Kozak to G. Grant et al, Re: Fwd: Rx Vessel Heads Replacement @ Oconee	2 pages	04/17/01	Public
B-0406	E-Mail from G. Grant to C. Lipa, Subject: Fwd: CRDM CRACKING - - The Dirty Dozen	3 pages	08/29/01	Non-public Predecisional
B-0407	E-Mail from S. Sands to D. Simpkins, Subject: TIA on CRDM Circ. Cracking	1 page	09/25/01	Non-public Predecisional
B-0408	E-Mail from S. Sands to A. Hiser et al, Subject: Fwd: Conference call to discuss Davis- Besse's response to Bulletin 2001-01	3 pages	09/27/01	Non-public Predecisional
B-0409	E-Mail from M. Holmberg to J. Jacobson Subject: Fwd: Conference call to discuss Davis- Besse's response to Bulletin 2001-01	2 pages	09/27/01	Public
B-0410	E-Mail from A. Hiser to CRDM Contacts, Subject: STAFF ASSESSMENT OF BULLETIN 2001-01 RESPONSES	3 pages	09/28/01	Non-public Predecisional
B-0411	E-Mail from M. Homberg to C. Lipa, Subject: STAFF ASSESSMENT OF BULLETIN 2001-01 RESPONSES	4 pages	09/28/01	Non-public Predecisional
B-0412	Email from A. Hiser to CRDM Contacts, STAFF ASSESSMENT OF BULLETIN 2001-01 RESPONSES	3 pages	09/28/01	Public
B-0413	Email from S. Reynolds to J. Caldwell, Re: Fwd: STAFF ASSESSMENT OF BULLETIN 2001-01 RESPONSES	5 pages	10/02/01	Public
B-0414	Email from J. Jacobson to J. Caldwell, Davis Besse / Cook CRDM Inspections Update	1 page	10/10/01	Non-public Predecisional
B-0415	E-Mail from S. Reynolds to C. Lipa et al, Subject: Fwd: Davis Besse Head Cracking Status	2 pages	10/30/01	Non-public Predecisional
B-0416	Email from S. Reynolds to C. Lipa et al, Fwd: Davis Besse Head Cracking Status	2 pages	10/30/01	Public
B-0417	Email from C. Lipa to G. Grant et al, Fwd: LATEST VERSION OF ORDER FOR D-B	24 pages	11/05/01	Public
B-0418	E-Mail from M. Reinhart to J. Strosnider and J. Chung, Subject: Re: CALL FROM S. MOFFIT @ DAVIS-BESSE	1 page	11/07/01	Public
B-0419	E-Mail from M. Reinhart to B. Bateman and R. Barrett, Subject: Re: Actions from today's EDO Brief on CRDM orders	1 page	11/07/01	Public
B-0420	E-Mail from J. Chung to J. Zimmerman, Subject: Fwd: Re: CALL FROM S. MOFFIT @ DAVIS-BESSE	1 page	11/07/01	Public
B-0421	E-Mail from J. Zimmerman to D. Pickett and S. Sands, Subject: Fwd: Re: CALL FROM S. MOFFIT @ DAVIS-BESSE	1 page	11/07/01	Public
B-0422	E-Mail from G. Dick to A. Hiser et al, Subject: Davis-Besse Videotapes	1 page	11/07/01	Public
B-0423	E-Mail from A. Hiser to M. Reinhart and L. Burkahrt, Subject: Re: SLIDE Friday	2 pages	11/07/01	Public

Listing of Records Concerning Vessel Head Degradation at Davis-Besse				
Requested by Congressmen Tauzin & Gillmor				
Item No. (note 1)	Record Title	Est. Volume	Date	Disposition (note 2)
B-0423a	E-Mail from D. Pickett to M. Reinhart et al, Subject: New Davis-Besse Meeting	1 page	11/08/01	Public
B-0424	E-Mail from L. Burkhardt to J. Zimmerman, Subject: BRIEFING PACKAGE	1 page	11/08/01	Public
B-0425	E-Mail from D. Pickett to J. Hopkins and S. Bajwa, Subject: Tomorrow's Davis-Besse Meeting	1 page	11/08/01	Public
B-0426	E-Mail from J. Zimmerman to CRDM Comm. Team, Subject: Slides for today's meeting on NRC Staff's Technical Assessment of VHP Nozzle	1 page	11/08/01	Public
B-0427	E-Mail from J. Zimmerman to L. Burkhardt, Subject: Re: MEETINGS WITH DAVIS-BESSE	1 page	11/08/01	Public
B-0428	E-Mail from J. Zimmerman to L. Burkhardt, Subject: Re: EDO MEMO WITH DAVIS-BESSE ORDER ATTACHED	1 page	11/08/01	Public
B-0429	E-Mail from S. Long to B. Bateman et al, Subject: Re: Proposed Davis-Besse Meeting	1 page	11/08/01	Public
B-0430	E-Mail from S. Long to J. Strosnicher, Subject: Re: AFTER MEETING DISCUSSIONS	1 page	11/08/01	Public
B-0431	E-Mail from L. Collins to C. Lipa, Subject: post 8:15 discussion	1 page	11/09/01	Non-public Predecisional
B-0432	E-Mail from J. Zimmerman to A. Hiser and A. Lee, Subject: Commissioners' TA Briefing	12 pages	11/13/01	Non-public Predecisional
B-0433	E-Mail from J. Zimmerman to L. Burkhardt, Subject: Fwd: TA Briefing on Vessel Head Nozzle Cracking	1 page	11/13/01	Public
B-0434	E-Mail from A. Hiser to A. Lee et al, Subject: SLIDES FOR TA BRIEF	11 pages	11/13/01	Non-public Predecisional
B-0435	E-Mail from J. Zimmerman to R. Barrett et al, Subject: Fwd: SLIDES FOR TA BRIEF	1 page	11/13/01	Public
B-0436	E-Mail from A. Lee to A. Hiser et al, Subject: Re: VHP NOZZLE SLIDES FOR TA BRIEF	1 page	11/14/01	Public
B-0437	E-Mail from M. Holmberg to J. Grobe and R. Caniano, Subject: Fwd: Bulletin 2001-01 Status Update	12 pages	11/14/01	Non-public predecisional
B-0438	E-Mail from J. Zimmerman to CRDM Comm. Team, Subject: Bulletin 2001-01 Status Update	11 pages	11/14/01	Non-public Predecisional
B-0439	E-Mail from L. Burkhardt to A. Hiser, Subject: THE LATEST D-B ORDER	1 page	11/15/01	Public
B-0440	E-Mail from J. Zwolinski to J. Stang, Subject: Re: CRDMs - Davis Besse	1 page	11/15/01	Public
B-0441	E-Mail from J. Zimmerman to L. Burkhardt and A. Hiser, Subject: Davis-Besse and D.C. Cook Unit 2 Orders	1 page	11/15/01	Public
B-0442	E-Mail from M. Holmberg to K. O'Brien, Subject: Fwd: Davis-Besse Update	4 pages	11/15/01	Non-public Predecisional
B-0443	E-Mail from B. Sheron to J. Zwolinski, Subject: Copy of EDO letter to Commission	1 page	11/15/01	Public
B-0444	E-Mail from C. Lipa to G. Grant et al, Subject: Fwd: Davis-Besse Update	3 pages	11/15/01	Non-public Predecisional
B-0445	E-Mail from J. Chung to D. Pickett and J. Zimmerman, Subject: Highlights on CRDM Issues	2 pages	11/16/01	Public
B-0446	E-Mail from J. Zimmerman to J. Chung et al, Subject: New Daily Status Report for Bulletin 2001-01	9 pages	11/16/01	Public

Listing of Records Concerning Vessel Head Degradation at Davis-Besse				
Requested by Congressmen Tauzin & Gillmor				
Item No. (note 1)	Record Title	Est. Volume	Date	Disposition (note 2)
B-0447	E-Mail from D. Pickett to J. Zimmerman, Subject: Davis-Besse Telecon	1 page	11/16/01	Public
B-0448	E-Mail from L. Burkhardt to A. Hiser, Subject: YOUR CHANGE	1 page	11/16/01	Public
B-0449	E-Mail from L. Burkhardt to D. Pickett et al, Subject: COVER LETTERS FOR ORDERS	5 pages	11/16/01	Public
B-0450	E-Mail from J. Zimmerman to R. Borchardt et al, Subject: November 16, 2001 Director's Highlight	3 pages	11/16/01	Public
B-0451	E-Mail from J. Zwolinski to L. Burkhardt, Subject: Small changes to cover letter and order	1 page	11/16/01	Public
B-0452	E-Mail from L. Burkhardt to D. Pickett et al, Subject: D-B ORDER	1 page	11/19/01	Public
B-0453	E-Mail from B. Bateman to L. Burkhardt, Subject: Re: DAILY STATUS REPORT (UPDATES REQUESTED BY 3 P.M.)	8 pages	11/19/01	Public
B-0454	E-Mail from L. Burkhardt to A. Hiser, Subject: DAILY STATUS REPORT FOR MONDAY, 11/19/01	2 pages	11/19/01	Public
B-0455	E-Mail from S. Sands to L. Burkhardt, Subject: Re: DAILY STATUS REPORT - DSR (E-MAIL ONLY)	1 page	11/20/01	Public
B-0456	E-Mail from A. Hiser to B. Bateman et al, Subject: Re: CHANGES SUGGESTED BY BILL KANE	1 page	11/20/01	Public
B-0457	E-Mail from A. Hiser to L. Burkhardt, Subject: Re: DAILY STATUS REPORT	10 pages	11/20/01	Public
B-0458	E-Mail from L. Burkhardt to B. Sheron, Subject: MEMO TO EDO	1 page	11/20/01	Public
B-0459	E-Mail from J. Caldwell to G. Grant et al, Subject: Fwd: DAILY STATUS REPORT - DSR	10 pages	11/20/01	Non-public Predecisional
B-0460	E-Mail from L. Burkhardt to D. Loveless and S. Rosenberg, Subject: MEMO FROM SAM COLLINS TO THE EDO RE: DAVIS-BESSE ORDER	1 page	11/21/01	Public
B-0461	E-Mail from L. Burkhardt to S. Sands, Subject: Re: Meeting Request by Davis-Besse	1 page	11/21/01	Public
B-0462	E-Mail from K. Wichman to A. Hiser, Subject: Re: Meeting Request by Davis-Besse	1 page	11/21/01	Public
B-0463	E-Mail from A. Hiser to B. Bateman et al, Subject: Re: Meeting Request by Davis-Besse	1 page	11/21/01	Public
B-0464	E-Mail from A. Hiser to S. Sands, Subject: Fwd: DAVIS-BESS OPERATING TEMPERATURE CHANGE	2 pages	11/26/01	Public
B-0465	E-Mail from B. Sheron to G. Holahan et al, Subject: Fwd: Davis-Besse Order	1 page	11/26/01	Public
B-0466	E-Mail from RMCook@firstenergycorp to S. Sands, Subject: Draft Supplemental Response to NRC Bulletin 2001-01	8 pages	11/27/01	Non-public Predecisional
B-0467	E-Mail from D. Pickett to A. Hiser et al, Subject: Fwd: Draft Supplemental REsponse to NRC Bulletin 2001-01	9 pages	11/27/01	Public
B-0468	E-Mail from S. Sands to L. Burkhardt, Subject: Fwd: Davis Besse Order	1 page	11/27/01	Public
B-0469	E-Mail from L. Burkhardt to K. Johnson, Subject: MEETING WITH DAVIS-BESSE TOMORROW	1 page	11/27/01	Public

Listing of Records Concerning Vessel Head Degradation at Davis-Besse				
Requested by Congressmen Tauzin & Gillmor				
Item No. (note 1)	Record Title	Est. Volume	Date	Disposition (note 2)
B-0470	E-Mail from R. Barrett to J. Chung and M. Reinhart, Subject: Re: Fwd: DAVIS-BESSE OPERATING TEMPERATURE CHANGE	1 page	11/27/01	Public
B-0471	E-mail from S. Sands to L. Burkhardt Fwd: Meeting today to discuss Davis-Besse's supplemental submittal	2 pages	11/27/01	Public
B-0472	E-Mail from S. Sands to A. Hiser et al, Subject: Final time change for meeting with Davis-Besse	1 page	11/28/01	Public
B-0473	E-Mail from L. Burkhardt to A. Hiser et al, Subject: REVISED C-NOTE	2 pages	11/29/01	Public
B-0474	E-Mail from L. Burkhardt to A. Hiser et al, Subject: COMMISSIONERS' TAS BRIEF ON FRIDAY	7 pages	11/29/01	Public
B-0475	E-Mail from L. Burkhardt to J. Chung, Subject: Re: PROPOSED C-NOTE	3 pages	11/30/01	Public
B-0476	E-Mail from R. Barrett to L. Burkhardt, Subject: Re: C-NOTE REVISION	1 page	11/30/01	Public
B-0477	E-Mail from S. Long to L. Burkhardt, Subject: Re: Commissioners' TAS Brief on Friday	1 page	11/30/01	Public
B-0478	E-Mail from L. Burkhardt to G. Holohan et al, Subject: Re: CMMRS TAS BRIEF	1 page	11/30/01	Public
B-0479	E-mail from J. Zimmerman to R. Borchardt et al, Bulletin 2001-01 Status Report	9 pages	12/14/01	Non-public Predecisional
B-0480	E-Mail from L. Bell to S. Long, Subject: Sump Switchover	1 page	12/17/01	Public
B-0481	E-Mail from S. Long to G. Parry and J. Chung, Subject: Fwd: Sump Switchover	1 page	12/17/01	Public
B-0482	E-Mail from S. Sands to A. Hiser et al, Subject: Inspections of Davis-Besse's commitments	1 page	12/17/01	Public
B-0483	E-Mail from S. Sands to A. Hiser, et al, Subject: Inspections of Davis-Besse's commitments	1 page	12/17/01	Public
B-0485	E-Mail from S. Black to B. Sheron, Subject: Fwd: Re: Inspections of Davis-Besse's commitments	2 pages	12/18/01	Public
B-0486	E-Mail from J. Chung to A. Hiser, L. Burkhardt and S. Sands, Subject: CRDM Inspection at Davis-Besse	1 page	12/18/01	Public
B-0487	E-Mail from M. Holmberg to ctdaft@firstenergycorp, Re: 13R ISI Inspection	3 pages	12/18/01	Public
B-0488	E-Mail from S. Sands to A. Hiser et al, Subject: Inspections of Davis-Besse's commitments	1 page	12/18/01	Public
B-0491	E-Mail from M. Reinhart to J. Chung, Subject: Re: Compensatory Measure by Davis-Besse CRDM Cracking	1 page	12/19/01	Public
B-0492	E-Mail from J. Chung to L. Burkhardt and S. Sands, Subject: Davis Besse CRDM Inspections	2 pages	12/19/01	Public
B-0493	E-Mail from S. Sands to J. Chung, Subject: Re: Davis Besse CRDM Inspections	3 pages	12/20/01	Public
B-0494	E-Mail from J. Zimmerman to R. Borchardt et al, Subject: Bulletin 2001-01 Status Report	12 pages	12/21/01	Public

Listing of Records Concerning Vessel Head Degradation at Davis-Besse				
Requested by Congressmen Tauzin & Gillmor				
Item No. (note 1)	Record Title	Est. Volume	Date	Disposition (note 2)
B-0516	E-Mail from J. Zimmerman to S. Bajwa et al, Subject: Commissioners' TA Briefing - TODAY at 10:00 a.m.	1 page	11/30/01	Public
B-0517	E-Mail from J. Zimmerman to S. Rosenberg, Subject C-Note on Bulletin 2001-01 Response Review for Davis-Besse	2 pages	11/30/01	Public
B-0518	E-Mail from J. Zimmerman to R. Borchardt et al, Subject: Telephone Call with Davis- Besse on Bulletin 2001-01	1 page	11/30/01	Non-public Predecisional
B-0519	E-Mail from J. Zimmerman to R. Borchardt et al, Telephone Call with Davis Besse on Bulletin 2001-01	1 page	11/30/01	Public
B-0520	E-Mail from J. Zimmerman to R. Borchardt et al, Subject: Bulletin 2001-01 Status Report	9 pages	11/30/01	Non-public Predecisional
B-0521	E-Mail from L. Collins to D. Pickett, Subject: Davis Besse Commitment	1 page	12/03/01	Public
B-0522	E-Mail from D. Pickett to C. Lipa, Subject: Re: Fwd: Telephone Call with Davis Besse on Bulletin 2001-01	1 page	12/03/01	Public
B-0523	E-Mail from C. Lipa to G. Grant, Re: Fwd: Telephone Call with Davis Besse on Bulletin 2001-01	1 page	12/03/01	Public
B-0524	E-Mail from M. Holmberg to S. Sands, Subject: Davis-Besse Call	1 page	12/04/01	Public
B-0525	E-Mail from J. Zimmerman to L. Burkhart et al, Subject: Re: For your information, Carol O'Claire of the Ohio Emergency Management Agency (OEMA), called yesterday	1 page	12/04/01	Public
B-0526	E-Mail from M. Holmberg to D. Jones, Subject: CRD FLAWS/REPAIR	10 pages	12/04/01	Public
B-0527	E-Mail from D. Pickett to A. Hiser et al, Subject: Davis-Besse Expects Something	1 page	12/04/01	Public
B-0528	E-Mail from L. Burkhart to A. Mendiola et al, Subject: PRIORITY - D-B LETTER	5 pages	12/04/01	Public
B-0529	E-Mail from L. Burkhart to B. Sheron et al, Subject: LETTER TO D-B	5 pages	12/04/01	Public
B-0530	E-Mail from L. Collins to G. Grant et al, Subject: Fwd: LETTER TO D-B	7 pages	12/05/01	Public
B-0531	E-Mail from D. Pickett to L. Burkhart, Subject: Re: LETTER TO D-B IN ADAMS	1 page	12/05/01	Public
B-0532	E-Mail from J. Zimmerman to B. Bateman et al, Subject: VHP Nozzle Action Plan Meeting - Today	2 pages	12/05/01	Public
B-0533	E-Mail from S. Bajwa to L. Burkhart, Subject: Re: PRIORITY - D-B LETTER	1 page	12/05/01	Public
B-0534	E-Mail from L. Burkhart to M. Weston, Subject: LETTER TO DAVIS-BESSE	5 pages	12/05/01	Public
B-0535	E-Mail from T. Marsh to D. Clarke and L. Burkhart, Subject: Re: LETTER TO D-B IN ADAMS	1 page	12/05/01	Public
B-0536	E-Mail from L. Collins to G. Grant, Fwd: LETTER TO D-B	7 pages	12/05/01	Public
B-0537	E-Mail from G. Grant to J. Jacobson et al, Re: Fwd: LETTER TO D-B	8 pages	12/05/01	Public
B-0538	E-Mail from L. Collins to J. Strasma, Subject: Fwd: LETTER TO D-B	8 pages	12/06/01	Public

Listing of Records Concerning Vessel Head Degradation at Davis-Besse				
Requested by Congressmen Tauzin & Gillmor				
Item No. (note 1)	Record Title	Est. Volume	Date	Disposition (note 2)
B-0539	E-Mail from G. Grant to C. Lipa, Re: Inspections of Davis-Besse's commitments	2 pages	12/07/01	Public
B-0540	E-Mail from B. Sheron to G. Holohan et al, Subject: Fwd: Re: Inspections of Davis-Besse's commitments	1 page	12/12/01	Public
B-0541	E-Mail from B. Bateman to R. Barrett, Subject: Fwd: Re: Inspections of Davis-Besse's commitments	1 page	12/12/01	Public
B-0542	E-Mail from G. Holahan to R. Barrett, Subject: Fwd: Re: Inspections of Davis-Besse's commitments	1 page	12/12/01	Public
B-0543	E-Mail from R. Barrett to J. Chung and M. Reinhart, Subject: Re: Davis-Besse CRDM: Inspection on DB's Commitments	1 page	12/13/01	Public
B-0544	E-Mail from G. Parry to S. Long, Subject: Fwd: Re: Inspections of Davis-Besse's commitments	1 page	12/13/01	Public
B-0545	E-Mail from J. Chung to S. Sands, Subject: Davis-Besse Inspections	2 pages	12/13/01	Public
B-1795	E-Mail from L. Burkhart to J. Zimmerman, Re: Status of Orders	1 page	11/15/01	Public
B-1796	E-Mail from L. Burkhart to A. Hiser, et al., Re: Meeting Today to Discuss Davis-Besse's Supplemental Submittal	1 page	11/27/01	Public
B-1814	E-mail from J. Strosnider to B. Bateman Re: Inspections of Davis-Besse's commitments	1 page	12/14/01	Public
B-1815	Commissioners' TA Briefing - TODAY at 10:00 a.m.	1 page	11/30/01	Public
B-1856	E-Mail from S. Rosenberg to B. McCabe, et al., Subject: Your Question	1 page	11/27/01	Public
B-1857	E-Mail from T. Hiltz to B. Jones, et al., Subject: Fwd: Your Question	1 page	11/27/01	Public
B-1858	E-Mail from T. Hiltz to B. Jones et al., Subject: Feedback from FENOC Meeting on CRDM and Shutdown	1 page	11/29/01	Public
B-1864	E-Mail from J. Zimmerman, NRR, to S. Rosenberg, EDO, Subject: C-Note on Bulletin 2001-01 Response Review for Davis-Besse	3 pages	10/15/01	Public
B-2101	E-mail W. Norris (RES) to G. Wilkowski, Option 3	1 page	10/16/01	Non-public Predecisional
B-2102	E-mail from G. Wilkowski to A. Hiser, Subject: RE: VHP Technical Assessment	3 pages	10/22/01	Public
B-2103	E-mail G. Wilkowski to A. Hiser (NRR), Updates to your document - Section 6.4 and 6.5	20 pages	10/23/01	Non-public Predecisional
B-2104	E-mail G. Wilkowski to A. Hiser (NRR), Updates to your document - Section 6.4 and 6.5	1 page	10/23/01	Non-public Predecisional

Listing of Records Concerning Vessel Head Degradation at Davis-Besse				
Requested by Congressmen Tauzin & Gillmor				
Item No. (note 1)	Record Title	Est. Volume	Date	Disposition (note 2)
B-2105	E-Mail from W. Norris to D. Neff, Subject: CRDM Cracking Procurement	1 page	10/30/01	Public
B-2106	E-Mail from W. Norris to G. Wilkowski, Subject: Re: CRDM Stuff	1 page	10/30/01	Public
B-2107	E-mail D. Neff (ADM) to W. Norris (RES), Revisions to CRDM SOW	5 pages	10/30/01	Non-public Predecisional
B-2108	E-Mail from W. Norris to D. Neff, Subject: EMC Payment	1 page	10/31/01	Public
B-2109	E-Mail from W. Norris to G. Wilkowski, Subject: Invoice Number 01-G44-01 (02)	1 page	11/05/01	Public
B-2110	E-Mail from G. Wilkowski to A. Hiser, Subject: CRDM Designs	2 pages	11/06/01	Public
B-2111	E-Mail from G. Wilkowski to J. Hamilton, Subject: J-Weld Info	1 page	11/14/01	Public
B-2112	E-Mail from W. Norris to G. Wilkowski, Subject: Re: CRDM Invoice	1 page	11/14/01	Public
B-2113	E-Mail from W. Norris to D. Neff, Subject: Contractor Submittals	1 page	11/14/01	Public
B-2114	E-Mail from W. Norris to G. Wilkowski, Subject: Re: CRDM Invoice	2 pages	11/15/02	Public
B-2115	E-Mail from G. Wilkowski to W. Norris, Subject: Conference Call w/ MRP on Wednesday	1 page	11/26/01	Public
B-2116	E-Mail from W. Norris to D. Neff, Subject: JOFOC (sole source justification)	1 page	11/26/01	Public
B-2117	E-mail G. Wilkowski to E. Hackett (RES), Re: Mtg w/ Vaughn Wagoner	10 pages	11/28/01	Non-public Predecisional
B-2118	E-Mail from G. Wilkowski to R. Bass, Subject: CRDM J-Weld Photos	1 page	11/28/01	Public
B-2119	E-Mail from G. Wilkowski to E. Hackett, Subject: EPRI Document	1 page	11/28/01	Public
B-2120	E-Mail from Wallace Norris to A. Hiser, Subject: EPRI Report	1 page	11/29/01	Public
B-2121	E-Mail from G. Wilkowski to W. Norris, Subject: CRDM	1 page	12/03/01	Public
B-2122	E-Mail from W. Norris to D. Neff, Subject: EMC2 JOFOC (sole source justification)	1 page	12/03/01	Public
B-2123	E-mail G. Wilkowski to W. Norris (RES), Re: Proposal	2 pages	12/04/01	Non-public Contract Related
B-2124	E-mail W. Norris (RES) to C. Moyer (RES), Fwd: CRDM Report	17 pages	12/06/01	Non-public Predecisional
B-2125	E-mail W. Norris (RES) to C. Moyer (RES), Draft Response to NRR not sent; draft response sent	13 pages	12/06/01	Non-public Predecisional
B-2126	E-mail W. Norris (RES) to C. Moyer (RES), Fwd: NDE Input	12 pages	12/06/01	Non-public Predecisional
B-2127	E-mail W. Norris (RES) to C. Moyer (RES), Emc2 Report on CRDM Cracking	29 pages	12/06/01	Non-public Predecisional

Listing of Records Concerning Vessel Head Degradation at Davis-Besse				
Requested by Congressmen Tauzin & Gillmor				
Item No. (note 1)	Record Title	Est. Volume	Date	Disposition (note 2)
B-2128	E-Mail from G. Wilkowski to W. Norris, Subject: CRDM Stuff	1 page	12/19/01	Public
B-2129	E-Mail from E. Hackett to internet:cking@epri.com , Subject: Fwd: Can we get this EPRI report for the CRDM Project	2 pages	12/19/01	Public
B-2356	E-mail from J. Zwolinski to B. Sheron, Questions in Response to Chairman	3 pages	11/07/01	Public
B-2357	E-mail from R. Croteau to A. Hiser, Preliminary staff assessment on the head nozzle cracking	1 page	11/07/01	Public
B-2358	E-mail from L. Burkhart to B. Sheron, Technical Assessment Distribution	1 page	11/08/01	Public
B-2359	E-mail from J. Zimmerman to S. Rosenberg, Cover Memo for Orders	3 pages	11/15/01	Public
B-2360	E-mail from B. McCabe to S. Rosenberg, Re: Davis-Besse Order	2 pages	11/26/01	Non-public Predecisional
B-2361	E-mail from B. Sheron to S. Rosenberg, Re: Fwd: Davis-Besse Order	1 page	11/26/01	Public
B-2362	E-mail from B. Sheron to D. Rathbun, et al., Re: CRDM Briefing	1 page	12/21/01	Public
B-2363	E-mail from S. Rosenberg to J. Zimmerman, Questions from the Chairman's Office	1 page	11/07/01	Public
B-2364	E-mail from J. Shea to L. Gerke, Re: question (process of order)	1 page	11/15/01	Public
B-2365	E-mail from S. Rosenberg to B. Sheron, Re: Follow-up Questions - CRDM	1 page	11/15/01	Public
B-2366	E-mail from J. Shea to S. Rosenberg, Fwd: Re: question (process of order)	2 pages	11/15/01	Public
B-2367	E-mail from W. Travers to A. Hiser, et al., Re: Fwd: Dominion	1 page	11/20/01	Public
B-2368	E-mail from S. Rosenberg to D. Gamberoni and K. Hart, Commissioner TA Briefing on Davis-Besse CRDM Issue	1 page	11/29/01	Public
B-2374	E-Mail from S Rosenberg to B McCabe, Subject: Final Time Change for Meeting with Davis-Besse	2 pages	11/28/01	Public
B-2375	E-Mail from B. McCabe to B. Sheron, et al., Subject: Follow-Up Question - CRDM	2 pages	11/16/01	Public
B-2376	E-Mail from B. McCabe to S. Rosenberg, Subject: Davis-Besse Order	2 pages	11/26/01	Public
B-2390	E-mail from A. Levin to D. Roberts, M. Tschiltz, Re: Order for Davis-Besse	1 page	11/26/01	Non-public Predecisional
B-2391	E-mail from M. Tschiltz to Chairman Meserve, Re: Davis-Besse	2 pages	11/27/01	Non-public Predecisional
B-2393	E-mail from T. Hiltz to A. Levin et al., Re: FirstEnergy Brief	1 page	10/05/01	Public
C-020	Letter from G. Campbell to NRC, Supplemental Information in Response to the November 28, 2001, Meeting Regarding the Davis-Besse Nuclear Power Station Response to NRC Bulletin 2001-01	102 pages	11/30/01	Non-public Proprietary

Listing of Records Concerning Vessel Head Degradation at Davis-Besse				
Requested by Congressmen Tauzin & Gillmor				
Item No. (note 1)	Record Title	Est. Volume	Date	Disposition (note 2)
C-020	Letter from G. Campbell to NRC, Supplemental Information in Response to November 28, 2001, Meeting Regarding Davis-Besse Nuclear Power Station Response to NRC Bulletin 2001-01	17 pages	11/30/01	Public
C-020a	Letter from G. Campbell, Supplemental Information in Response to the November 28, 2001, Meeting Regarding Davis-Besse Nuclear Power Station Response to NRC Bulletin 2001-01	51 pages	11/30/01	Public
C-021	Letter from G. Campbell to NRC, Response to Request for Additional Information Concerning Davis-Besse Nuclear Power Station Third Ten-Year Interval Inspection Program	93 pages	11/27/01	Public
C-022	License Application, Davis-Besse, Unit 1, License Amendment Application to Increase Allowable Power (License Amendment Request No. 00-0006) Part 1	105 pages	10/12/01	Public
C-023	License Application, Davis-Besse, Unit 1, License Amendment Application to Increase Allowable Power (License Amendment Request No. 00-0006) Part 2	117 pages	10/12/01	Public
C-024	Letter from G. Campbell to NRC, Response to NRC Bulletin 2001-01 "Circumferential Cracking of Reactor Pressure Vessel Head Penetration Nozzles"	26 pages	09/04/01	Public
C-025	Letter from C. Welty to J. Strosnider, Release of EPRI MRP Information, ML012420397	1 page	08/28/01	Public
C-026	Letter from G. Campbell to NRC, Request for Withholding Previously Transmitted Document from Public Disclosure (Ser. No. 2743), ML013090254	8 pages	10/30/01	Public
C-027	Attachment 2 to Letter from G. Campbell to NRC, Request for Withholding Previously Transmitted Document from Public Disclosure (Ser. No. 2743), ML013520506	41 pages	10/30/01	Non-public Proprietary
C-028	Letter from G. Campbell to NRC, Response for Additional Information Concerning NRC Bulletin 2001-01 (Ser. No. 2741), ML013530179	11 pages	10/30/01	Public
C-029	Attachments to letter from G. Campbell to NRC (Ser. No. 2741), Response to NRC Staff Requests for Additional Information on Davis-Besse CRDM Nozzle Submittals, ML013530207	123 pages	10/30/01	Non-public Proprietary
C-031	Letter from G. Campbell to NRC, Transmittal of Results of Reactor Pressure Vessel Head Control Rod Drive Mechanism Nozzle Penetration Visual Examination (Ser. No. 2744), ML013580078	7 pages	10/30/01	Public
C-032	Technical Report, Davis-Besse Nuclear Power Station, Results of Visual Examination of Reactor Head CRDM Nozzle Penetrations Performed in 1996, 1998 and 2000, ML013580097	48 pages	10/30/01	Non-public Proprietary
C-038	Letter to Dr. Brian Sheron from Alexander Marion re: Generic Information for Use by Licensees in Response to NRC Bulletin 2001-01	44 pages	08/21/01	Non-public Proprietary
C-041	Letter from G. Campbell to NRC, Supplemental Information in Response to NRC Bulletin 2001-01, "Circumferential Cracking of Reactor Pressure Vessel Head Penetration Nozzles"	109 pages	10/17/01	Non-public Proprietary

Listing of Records Concerning Vessel Head Degradation at Davis-Besse				
Requested by Congressmen Tauzin & Gillmor				
Item No. (note 1)	Record Title	Est. Volume	Date	Disposition (note 2)
C-042	Letter from W. Shack, Argonne National Lab, to N. Chokshi, RES, Re: Estimates of the probability of failure of CRDM nozzles	8 pages	07/29/01	Public
C-043	E-mail from drwuokko@firstenergycorp.com (D. Wuokko, First Energy) to S. Sands, NRR, Re: Bulletin 2001-01	1 page	10/01/01	Public
C-044	E-mail from drwuokko@firstenergycorp.com (D. Wuokko, First Energy) to S. Sands, NRR, Re: Davis-Besse/NRC Conference Call Re: Bulletin 2001-01 Response	1 page	10/01/01	Public
C-045	E-mail from drwuokko@firstenergycorp.com (D. Wuokko, First Energy) to S. Sands, NRR, Re: Davis-Besse/NRC Conference Call Re: Bulletin 2001-01 on Oct. 3	1 page	10/01/01	Public
C-046	E-mail from drwuokko@firstenergycorp.com (D. Wuokko, First Energy) to S. Sands, NRR, et al., Re: Agenda and Participants for 10/03/01 Conference Call	3 pages	10/03/01	Public
C-047	E-mail from drwuokko@firstenergycorp.com (D. Wuokko, First Energy) to S. Sands, NRR, Re: Finite Element Gap Analysis of Davis-Besse CRDM Penetrations	1 page	10/12/01	Public
C-048	E-mail from drwuokko@firstenergycorp.com (D. Wuokko, First Energy) to sps1@nrc.gov (S. Sands, NRR), Re: Reactor Vessel Head Nozzle & Weld Safety Assessment	3 pages	10/12/01	Public
C-049	E-mail from W. Shack, Argonne National Lab, to A. Hiser, et al., NRR, Re: Reconsideration of the Davis-Besse Analysis	2 pages	10/17/01	Public
C-050	E-mail from W. Shack, Argonne National Lab, to A. Hiser, et al., NRR, Re: Davis-Besse Report	2 pages	10/17/01	Public
C-051	E-mail from drwuokko@firstenergycorp.com (D. Wuokko, First Energy) to D. Pickett, NRR, Re: Participants and Agenda	4 pages	10/22/01	Public
C-052	E-mail from W. Shack, Argonne National Lab, to A. Hiser, NRR; E. Hackett, RES, et al., Re: More numerology	1 page	10/30/01	Public
C-053	E-mail from W. Shack, Argonne National Lab, to A. Hiser, NRR, Re: One Last Shot	11 pages	11/04/01	Public
C-063	Letter from G. Campbell, NRC Review of Licensing Action Requests for the Davis-Besse Nuclear Power Station Thirteenth Refueling Outage	5 pages	12/18/01	Public
C-064	Letter from G. Campbell, Transmittal of Davis-Besse Nuclear Power Station Risk Assessment of Control Rod Drive Mechanism Nozzle Cracks	18 pages	11/01/01	Public
C-065	Letter from D. Whitaker, CRDM Weld Repair Process Qualification	5 pages	10/09/01	Public

Listing of Records Concerning Vessel Head Degradation at Davis-Besse				
Requested by Congressmen Tauzin & Gillmor				
Item No. (note 1)	Record Title	Est. Volume	Date	Disposition (note 2)
C-068	Ltr G. Campbell, FirstEnergy, to NRC/DCD, Re: Request for Withholding Previously Transmitted Document from Public Disclosure (#2743) w/proprietary enclosure (Acc No. ML013090254 & ML013090258)	48 pages	10/30/01	Non-public Proprietary
C-069	Ltr G. Campbell, FirstEnergy, to NRC/DCD, Re: Response to Requests for Additional Information Concerning NRC Bulletin... (#2741) w/proprietary enclosures (Acc No. ML013530179, ML013530207 & ML013530237)	134 pages	10/30/01	Non-public Proprietary
C-070	Ltr G. Campbell, FirstEnergy, to NRC/DCD, Re: Transmittal of Results of Reactor Pressure Vessel Head Control Rod Drive... (#2744) w/proprietary enclosure (Acc No. ML013580078 & ML013580097)	55 pages	10/30/01	Public
C-071	Ltr G. Campbell, FirstEnergy, to NRC/DCD, Re: Supplemental Info in Response to November 28, 2001, Meeting... (#2747) w/proprietary enclosure (Acc No. ML013540527 & ML013540557)	98 pages	11/30/01	Non-public Proprietary
C-074	E-Mail from Drwuokko to S. Sands, Subject: Toledo Blade Newspaper Article	3 pages	12/03/01	Public
C-115	Apparent attachment to e-Mail from FENOC	1 page	unknown	Public
C-130	E-Mail from RMCook@firstenergy to MSH@nrc, Subject: Information request for ISI inspection	1 page	12/19/01	Public
C-150	Discussion of flange leakage	1 page	unknown	Non-public Proprietary
C-152	FENOC Report to Dyer, April 25, 2002	44 pages	12/30/99	Public
C-0160	Letter to R. Meserve from J. Greenwood	2	10/25/01	Public
D-028	Davis-Besse Nuclear Power Station, Unit 1 - Relief Request Nos. RR-A18, RR-A19, and RR-A20 for the Second 10-Year Inservice Inspection Interval (TAC. No. MA7210)	19 pages	06/04/01	Public
D-032	Letter from S. Sands to G. Campbell, Davis-Besse NPS, Unit 1 - Response to NRC Bulletin 2001-01, ML012880079	4 pages	10/22/01	Public
D-032A	Draft letter from S. Sands, NRR, to G. Campbell, First Energy, Re: Davis-Besse Response to NRC Bulletin 2001-01	4 pages	Unknown	Non-public Predecisional
D-033	Letter from S. Sands to G. Campbell, Request for Additional Information re: Response to Bulletin 2001-01, ML012960353	8 pages	10/30/01	Public
D-033A	Draft letter from S. Sands, NRR, to G. Campbell, First Energy, Re: Davis-Besse Request for additional information	8 pages	Unknown	Non-public Predecisional
D-034	Letter from S. Sands to G. Campbell, Documentation of Conference Call of November 15, 2001, RE: Response to Bulletin 2001-01, ML013200210	5 pages	11/19/01	Public

Listing of Records Concerning Vessel Head Degradation at Davis-Besse				
Requested by Congressmen Tauzin & Gillmor				
Item No. (note 1)	Record Title	Est. Volume	Date	Disposition (note 2)
D-034A	Draft letter from S. Sands, NRR, to G. Campbell, First Energy, Re: Davis-Besse Documentation of conference call of November 15, 2001	4 pages	Unknown	Non-public Predecisional
D-035	Letter from J. Zwolinski to G. Campbell, Davis-Besse Nuclear Power Station, Unit No. 1 - Response to Nuclear Regulatory Commission (NRC) Bulletin 2001-01, ML013390021	4 pages	12/04/01	Public
D-045	NRC Bulletin 2001-01: Circumferential Cracking of Reactor Pressure Vessel Head Penetration Nozzles	16 pages	08/03/01	Public
D-050	E-mail from L. Burkhardt, NRR, to am@nei.org, et al., Re: Bulletin 2001-01 Public Meetings on 10/24/01	6 pages	10/19/01	Public
D-059	Letter from S. Sands, Davis-Besse Nuclear Power Station, Unit 1 - Request for Additional Information (RAI) Regarding the Relief Request From Requirements of the American Society of Mechanical Engineers (ASME) Code, Section XI, for the Third 10-Year Inservice Inspection (ISI) Interval (TAC No. MB1607)	8 pages	11/14/01	Public
D-060	Memo from S. Sands, Meeting Notice - Forthcoming Meeting with FirstEnergy Nuclear Operating Company	2 pages	11/08/01	Public
D-061	Memo from S. Sands, Meeting Summary of October 24, 2001, to Discuss the Licensee's Response to Bulletin 2001-01	23 pages	11/06/01	Public
D-068	Letter from Lipa to Campbell Re: Davis-Besse NRC Inspection Report 50-346/01-13	28 pages	12/11/01	Public
D-069	Letter from Kozak to Campbell Re: EA-00-183 Davis-Besse NRC Inspection Report 50-346/01-09	17 pages	06/06/01	Public
D-079	E-Mail from L. Burkhardt, NRR, to am@nei.org, Subject: Re: Public Meetings re: Bulletin 2001-01	1 page	10/22/01	Public
D-080	E-Mail from L. Burkhardt, NRR, to dlochbaum@ucsusa.org, Re: Public Meetings on 10/24/01 re: Bulletin 2001-01 Responses for Davis-Besse and H.B. Robinson	1 page	10/22/01	Public
D-081	E-Mail from L. Burkhardt, NRR, to jenny_weil@platts.com, Re: Public Meetings on 10/24/01 re: Bulletin 2001-01 Responses for Davis-Besse and H.B. Robinson	1 page	10/22/01	Public
D-082	E-Mail from L. Burkhardt, NRR, to jbeattie@kingpublishing.com, Re: Public Meetings on 10/24/01 re: Bulletin 2001-01 Responses for Davis-Besse and H.B. Robinson	1 page	10/22/01	Public

Listing of Records Concerning Vessel Head Degradation at Davis-Besse				
Requested by Congressmen Tauzin & Gillmor				
Item No. (note 1)	Record Title	Est. Volume	Date	Disposition (note 2)
D-083	E-Mail from L. Burkhart, NRR, to draleigh@scientechn.com, et al., Re: Public Meetings on 10/24/01 re: Bulletin 2001-01 Responses for Davis-Besse and H.B. Robinson	1 page	10/22/01	Public
D-087	E-Mail from M. Holmberg to ctfdraft@firstenergycorp, Subject: Re: 13R ISI Inspection	1 page	12/18/01	Public
D-088	E-Mail from M. Holmberg to RMCook@firstenergycorp, Subject: Davis-Besse Serial 2747	2 pages	12/18/01	Public
D-110	Letter to Mary Mace - Proposal in Response to RS-RES-02-062 - CRDM Cracking	46 pages	11/20/01	Non-public Contract Related
D-0114	Standing Log Sheet	1 page	12/01/01	Public
D-0115	NRC Bulletin 2001-01, "Circumferential Cracking of Reactor Pressure Vessel Head Penetration Nozzles"	17 pages	Unknown	Non-public Predecisional
D-115a	NRC Bulletin 2002-01, "Circumferential Cracking of Reactor Pressure Vessel Head Penetration Nozzles" with handwritten notes	17 pages	Unknown	Public
D-0116	Draft Ltr. S. Collins, NRR, to G. Campbell, First Energy, Re: Davis-Besse Unit 1 - Issuance of Order	21 pages	Unknown	Public
E-007	Notes, Work Coordination/Communication	2 pages	Unknown	Non-public Predecisional
E-010	Briefing Slides by Framatome ANP and Notes by B. Sheron, Repair Process, Nozzle 3 and Area Adjacent	4 pages	Unknown	Non-public Predecisional
E-011	Briefing Slides and Notes by B. Sheron, Cracking of Reactor Pressure Vessel Head Penetration Nozzles to D. Case.	19 pages	01/09/02	Non-public Predecisional
E-012	NRR Leadership Team Meeting	22 pages	08/20/01	Non-public Predecisional
E-013	Letter to Mr. J. R. Strosnider from C.S. Welty, Jr. re: Release of EPRI MRP Information	1 page	08/28/01	Public
E-014	E-mail from James Medoff re: Mtg tomorrow at 8am re: CRDM stuff!	1 page	08/28/01	Non-public Predecisional
E-015	NRR Executive Team Meeting	6 pages	09/26/01	Non-public Predecisional
E-016	Email from Jacob Zimmerman re: EDO & Commissioners TA Briefing on Bulletin 2001-01	9 pages	10/01/01	Non-public Predecisional
E-017	Meeting Notice for meeting on 11/8/01 to discuss NRC Staffs technical assessment for vessel head penetration nozzle cracking associated w/ NRC Bulletin 2001-01, Circumferential Cracking of Reactor Pressure Vessel Head Penetration Nozzles	1 page	11/08/01	Non-public Predecisional
E-018	Slides - Status of NRC Staff Review of FENOC's Bulletin 2001-01 Response for Davis-Besse w/handwritten notes	5 pages	11/29/01	Non-public Predecisional
E-018a	Slide - Status of NRC Review of FENOCs Bulletin 2001-01 Response for Davis-Besse	5 pages	11/29/01	Public
E-019	Slides - Status of NRC Staff Review of FENOCs Bulletin 2001-01 Response for Davis-Besse	6 pages	11/30/01	Non-public Predecisional

Listing of Records Concerning Vessel Head Degradation at Davis-Besse				
Requested by Congressmen Tauzin & Gillmor				
Item No. (note 1)	Record Title	Est. Volume	Date	Disposition (note 2)
E-020	Table - Plants with Cracking or Leakage History (Bin 1) and High Susceptibility Plants (Bin 2)	1 page	Unknown	Non-public Predecisional
E-021	Draft Staff Criteria for Evaluating Licensee Inspection Plans	1 page	Unknown	Non-public Predecisional
E-022	Dates of Davis-Besse Interactions and handwritten technical notes Re: crack growth rates	1 page	Unknown	Non-public Predecisional
E-023	Tech Reviewer's Notes Regarding Operating History and attached Failure Time Evaluation curve	2 pages	Unknown	Public
E-024	Graphs: Cumulative POF, Failure Frequency Interpretations	3 pages	Unknown	Non-public Predecisional
E-025	Summary of Davis-Besse Risk Assessment of CRDM Crackings	1 page	Unknown	Non-public Predecisional
E-026	Handwritten notes from briefing on CRDM issue	4 pages	08/01/01	Public
E-027	E-mail from J. Medoff, NRR, to D. Nelson, OE; J. Zimmerman, NRR, et al., RE: Room for Today's Meeting of the Orders Task Group w/handwritten notes	1 page	09/04/01	Public
E-028	Considerations for "Adequate Protection" Arguments on CRDM Nozzle Cracking Issue [S. Long, NRR, WP file "ad protect consid"]	1 page	09/12/01	Public
E-029	Basis for Order to Perform Adequate Inspection of CRDM Nozzles for SCC [S. Long, NRR, WP file "order logic"]	2 pages	09/19/01	Public
E-030	White Paper Insert [S. Long, NRR WP file "white paper insert"]	2 pages	09/26/01	Public
E-031	Notes from Davis-Besse Phone call with NRC staff	1 page	10/03/01	Public
E-032	Commission Technical Assistant Briefing	4 pages	10/11/01	Public
E-033	Potential for the Plant's Core Damage to Rise [S. Long, NRR, WP file "ad prot insert"]	1 page	10/16/01	Public
E-034	Draft Memo from Grobe to Zwolinski Re: Request for Technical Assistance - Risk Assessment of the Davis-Besse Head Degradation	2 pages	Unknown	Non-public Predecisional
E-036	Commissioners' Technical Assistants Brief -w- Staff Comments	11 pages	10/03/01	Non-public Predecisional
E-037	Inspector Notes on Potential RCS Leakage Sources	1 page	Unknown	Non-public Predecisional
E-040	Letter from FirstEnergy to USNRC Re: Supplemental Information in Response to the November 28, 2001 meeting Regarding the Davis-Besse response to NRC Bulletin 2001-01 -w- staff notes	6 pages	11/30/01	Non-public Predecisional
E-043	Steve Long's notes on slides for NRR Leadership Team Meeting	4 pages	08/20/01	Non-public Predecisional

Listing of Records Concerning Vessel Head Degradation at Davis-Besse				
Requested by Congressmen Tauzin & Gillmor				
Item No. (note 1)	Record Title	Est. Volume	Date	Disposition (note 2)
E-044	Steve Long's edits on 2 pages of draft order text	2 pages	10/01/01	Non-public Predecisional
E-045	Steve Long's marginal comments on pages of FENOC "Transmittal of Davis-Besse Nuclear Power Station Risk Assessment of Control Rod Drive Mechanism Nozzle Cracks"	15 pages	11/01/01	Non-public Predecisional
E-046	personal note headed "Question for ACRS to Ask FENOC"	1 page	11/09/01	Non-public Predecisional
E-047	personal notes from 11/9/01 ACRS meeting	1 page	11/09/01	Non-public Predecisional
E-048	Steve Long's marginal comments on pages of "Safety Evaluation for Potential Reactor Vessel Head Adaptor Tube Cracking"	5 pages	11/19/01	Non-public Predecisional
E-049	personal notes on 1 page of draft slides titled "Status of NRC Review of FENOC's Bulletin 2001-01 Response for Davis-Besse"	2 pages	11/30/01	Non-public Predecisional
E-050	personal notes on 1 page of final slides titled "Status of NRC Review of FENOC's Bulletin 2001-01 Response for Davis-Besse"	2 pages	11/30/01	Non-public Predecisional
E-052	Steve Long's copy of Jin Chung's superceded initial draft for chapter in NUREG on CRDM cracking	21 pages	01/01/02	Non-public Predecisional
E-053	Steve Long's marginal comments on Jin Chung's superceded draft for chapter in NUREG on CRDM cracking	63 pages	02/02/02	Non-public Predecisional Foreign Data
E-054	Andrea Lee's marginal comments on Steve Long's draft generic risk section for NUREG	5 pages	02/02/02	Non-public Predecisional
E-055	Allen Hiser's marginal comments on Steve Long's draft generic risk section for NUREG	4 pages	02/02/02	Non-public Predecisional
E-091	Steve Long's handwritten note with quote from meeting	1 page	unknown	Non-public Predecisional
E-092	Steve Long's handwritten note from meeting	1 page	unknown	Non-public Predecisional
E-093	copy of handwritten note found in Steve Long's files, author not determined	1 page	unknown	Non-public Predecisional
E-094	Personal meeting notes for April 10 Reactor concepts meeting with Davis Besse	2 pages	Unknown	Non-public Predecisional
E-095	Notes to be used for meeting on "Request for additional information" for Repair Plan for Nozzles 3 and 11	1 page	Unknown	Non-public Predecisional

Listing of Records Concerning Vessel Head Degradation at Davis-Besse				
Requested by Congressmen Tauzin & Gillmor				
Item No. (note 1)	Record Title	Est. Volume	Date	Disposition (note 2)
E-096	Personal Notes to be used for phone call on "Request for additional information" for Relief request RR-A20	1 page	Unknown	Non-public Predecisional
E-097	Comments to be used for communication with Davis-Besse on Repair Plan for Nozzles 3 and 11	4 pages	Unknown	Non-public Predecisional
E-102	Unidentified staff notes on LLTF on Davis-Besse erosion	2 pages	unknown	Non-public Predecisional
E-103	Notes on categorization of 2002-01 responses	2 pages	unknown	Non-public Predecisional
E-104	RPV head degradation Q&A's	6 pages	unknown	Non-public Predecisional
E-106	Staff notes on phone call with CI. Staff not on page reads "Looks like allegation material!!"	2 pages	unknown	Non-public Predecisional
E-107	Staff markup of proposed Chairman response to M. Kaptur, E. Markey letter of May 1, 2002.	43 pages	unknown	Non-public Predecisional
E-110	Draft Notes on Bulletin 2001-01 and 2002-01 status	2 pages	unknown	Non-public Predecisional
E-111	Draft Paragraphs for CRDM Order	1 page	10/01/01	Public
E-112	Review of White Paper Insert for draft Order (Dan O'Neal)-staff opinion not adopted	4 pages	10/02/01	Public
E-158	notes	1 page	unknown	Non-public Predecisional
E-162	Davis-Besse Next Inspection	6 pages	11/09/01	Public
E-163	Davis-Besse Nuclear Power Station Briefing Regarding Reactor Pressure Vessel	8 pages	11/09/01	Public
E-176	Fact Sheet on Davis-Besse Reactor Head Repair Work	2 pages	Unknown	Non-public Predecisional
E-181	Davis-Besse Plans Going Forward	24 pages	Unknown	Non-public Predecisional
E-248	ACRS information and part of a draft inspection report	13 pages	02/06/02	Non-public Predecisional
E-249	Notes re: Compensatory Measures to Reduce Risk during a CRDM failure-induced MLOCA at Davis-Besse (12/19/02)	7 pages	12/19/01	Non-public Predecisional
E-250	Inspections of Davis-Besse's Commitments	1 page	12/07/01	Non-public Predecisional
E-251	Staff Notes	1 page	10/30/01	Non-public Predecisional
E-252	Communication and Conference Call	1 page	10/04/01	Non-public Predecisional
E-253	Conference Call 10/3/01	3 pages	10/03/01	Non-public Predecisional
E-254	Briefing Notes	8 pages	10/02/01	Non-public Predecisional

Listing of Records Concerning Vessel Head Degradation at Davis-Besse				
Requested by Congressmen Tauzin & Gillmor				
Item No. (note 1)	Record Title	Est. Volume	Date	Disposition (note 2)
E-255	Staff Assessment of Bulletin 2001-01 Responses	3 pages	09/28/01	Non-public Predecisional
E-262	NRC SPAR Initiating Event Assessment for MLOCA at Davis-Besse	3 pages	Unknown	Non-public Predecisional
E-263	Staff notes on DRAFT Request for Additional Information Related to the Davis-Besse Nuclear Power Station Safety Significance Assessment	3 pages	Unknown	Non-public Predecisional
E-264	Staff notes on Davis-Besse MLOCA vs LLOCA PRA assumptions	1 page	Unknown	Non-public Predecisional
E-265	Staff notes on Davis-Besse Penetration Nozzle Crack Risk Evaluation	1 page	Unknown	Non-public Predecisional
E-266	Staff notes on DRAFT Phase 3 Significance Determination for Cavity in Davis Besse Reactor Pressure Vessel Head	3 pages	Unknown	Non-public Predecisional
E-267	Staff notes on Statement of Risk Issue for SDP Analysis	2 pages	Unknown	Non-public Predecisional
E-268	NRC Staff Comments and Questions on Davis-Besse Safety Significance Assessment Submitted April 8, 2002	1 page	Unknown	Non-public Predecisional
E-269	For Information Only	1 page	Unknown	Non-public Predecisional
E-271	Generic Communications	7 pages	Unknown	Non-public Predecisional
E-273	Draft report beginning w/Penetration Nozzle to J-Weld Description	9 pages	Unknown	Non-public Predecisional
E-278	Missed Opportunities	1 page	Unknown	Non-public Predecisional
E-280	Commissioners TA Briefing Davis-Besse Reactor Vessel Head	8 pages	Unknown	Non-public Predecisional
E-282	Table denoting Penetration 1, 2, & 3	1 page	Unknown	Non-public Predecisional
E-295	NRC Meeting with B&w Owner's Group	1 page	Unknown	Non-public Predecisional
E-296	Personnel Interviews	1 page	Unknown	Non-public Predecisional
E-300	Preliminary Calculation of Stresses for Wastage Area	1 page	Unknown	Non-public Predecisional
E-301	Staff Notes 1 - 32	5 pages	Unknown	Non-public Predecisional
E-302	Historical Timeline	1 page	Unknown	Non-public Predecisional
E-303	Comments in NEI Survey	1 page	Unknown	Non-public Predecisional
E-306	Questions	4 pages	Unknown	Non-public Predecisional
E-307	Notes on Licensee Activities	2 pages	Unknown	Non-public Predecisional
E-308	Notes	1 page	Unknown	Non-public Predecisional
E-309	Draft Information Request	4 pages	Unknown	Non-public Predecisional

Listing of Records Concerning Vessel Head Degradation at Davis-Besse				
Requested by Congressmen Tauzin & Gillmor				
Item No. (note 1)	Record Title	Est. Volume	Date	Disposition (note 2)
E-310	Comments on Repair Plan	3 pages	Unknown	Non-public Predecisional
E-311	Comments on Relief Request 25	1 page	Unknown	Non-public Predecisional
E-312	Weld Material Notes	1 page	Unknown	Non-public Predecisional
E-313	Questions on Acceptance Criteria for Head Replacement	2 pages	Unknown	Non-public Predecisional
E-323	Timeline of activities Affecting VH Material Condition	1 page	Unknown	Non-public Predecisional
E-324	RR-A25 Questions	1 page	Unknown	Non-public Predecisional
E-325	Info request	1 page	Unknown	Non-public Predecisional
E-326	Info request replac	3 pages	Unknown	Non-public Predecisional
E-327	Inspect quest	4 pages	Unknown	Non-public Predecisional
E-328	Code issues	2 pages	Unknown	Non-public Predecisional
E-330	425 schedule	1 page	Unknown	Non-public Predecisional
E-332	Record of Conversation	1 page	Unknown	Non-public Predecisional
E-334	Part of a Draft Inspection Rpt. starting with "4OA5 other"	4 pages	Unknown	Non-public Predecisional
E-335	Besse Scope of Head Inspection Ltr dated 11/30/2001	1 page	Unknown	Non-public Predecisional
E-339	Summary of Teleconference	1 page	Unknown	Non-public Predecisional
E-342	Technical Concerns relating to CRDM issues	2 pages	Unknown	Non-public Predecisional
E-346	For Information Only	1 page	Unknown	Non-public Predecisional
E-350	Questions	2 pages	Unknown	Non-public Predecisional
E-351	Mock Up Schedule for 17" Welded Mock Up	2 pages	Unknown	Non-public Predecisional
E-353	Notes on Licensee Activities and Inspection Opportunities from J. Grobe	1 page	Unknown	Non-public Predecisional
E-355	Background Information Should Probably Explain why Boric Acid is in the Reactor Coolant	4 pages	Unknown	Non-public Predecisional
E-362	Davis-Besse Provides Additional Information to the NRC on Reactor Vessel Head Penetrations	1 page	10/03/01	Non-public Predecisional
E-366	CRD Penet Cracking Issue Phone Call	1 page	09/21/01	Non-public Predecisional
E-370	Handwritten notes for Commissioner Diaz's meeting with Chairman Meserve, prepared by Maria Lopez-Otin, with handwritten notes by Commissioner Diaz interposed or added	2 pages	11/28/01	Non-public Predecisional

Listing of Records Concerning Vessel Head Degradation at Davis-Besse				
Requested by Congressmen Tauzin & Gillmor				
Item No. (note 1)	Record Title	Est. Volume	Date	Disposition (note 2)
E-375	Handwritten notes for Commissioner Diaz's meeting with Commissioner McGaffigan, prepared by Maria Lopez-Otin, with handwritten notes by Commissioner Diaz interposed or added	2 pages	11/28/01	Non-public Predecisional
E-376	Handwritten notes for Commissioner Diaz's meeting with Commissioner McGaffigan, prepared by Maria Lopez-Otin, with handwritten notes by Commissioner Diaz interposed or added	3 pages	10/24/01	Non-public Predecisional
E-377	Handwritten notes for Commissioner Diaz's meeting with Commissioner McGaffigan, prepared by Maria Lopez-Otin, with handwritten notes by Commissioner Diaz interposed or added	1 page	10/11/01	Non-public Predecisional
E-381	Handwritten notes by Commissioner Diaz re meeting with Sam Collins	1 page	02/11/02	Non-public Predecisional
E-382	Handwritten notes for Commissioner Diaz's meeting with Sam Collins, prepared by Maria Lopez-Otin, with handwritten notes by Commissioner Diaz interposed or added	1 page	12/12/01	Non-public Predecisional
E-386	Staff Notes from Commissioner Diaz's Office - Nozzle 3 and Adjacent Area, notes on FENOC presentation slide	1 page	unknown	Non-public Predecisional
E-391	Staff Notes from Commissioner Diaz's Office - Meeting Notes on Briefing Slides, Status of NRC Staff Review	6 pages	11/30/01	Public
E-392	Staff Notes from Commissioner Diaz's Office - Note to Rick Croteau from Roger Davis	1 page	11/21/01	Public
E-393	Staff Notes from Commissioner Diaz's Office - Notes on memorandum from J. Strosnider to J. T. Larkins, Preliminary Staff Assessment of Reactor Pressure Vessel Head Penetration Nozzle Cracking	2 pages	11/06/01	Public
E-394	Staff Notes from Commissioner Diaz's Office - Commissioner's TA Brief Notes	1 page	11/14/01	Non-public Predecisional
E-395	Staff Notes from Commissioner Diaz's Office - Note on "red" plants	3 pages	10/18/01	Non-public Predecisional
E-396	Staff Notes from Commissioner Diaz's Office - Notes on FENOC Briefing Slides for NRC Bulletin 2001-01 Response	16 pages	10/11/01	Public
E-0399	Staff Notes: M. Switzer Various Meeting Notes	32 pages	various	Non-public Predecisional
E-0401	Data Chart, CDF, LERF, REM	1 page	unknown	Public
E-0402	Chart, Long-term results for integrated model with handwritten notes.	1 page	unknown	Non-public Predecisional
E-0403	Text on cracking nozzles with handwritten notes.	1 page	unknown	Non-public Predecisional
E-0404	Data on POF, Slope, Frequency with handwritten notes.	1 page	unknown	Non-public Predecisional
E-0405	Data on Months, POF, Slope, Freq, Column5, Column 6, Column 7 with handwritten notes.	1 page	unknown	Non-public Predecisional
E-0406	Heat 69 Crack Growth - Bounding Weibull with 1.5 Shape Factor with handwritten notes.	1 page	unknown	Non-public Predecisional
E-0407	FENOC Slides: NRC Bulletin 2001-001, "Circumferential Cracking of Reactor Pressure Vessel..."	20 pages	unknown	Non-public Predecisional
E-0409	FENOC Slides: Risk-Informed Evaluation (pp. 10, 14,	4 pages	unknown	Non-public

Listing of Records Concerning Vessel Head Degradation at Davis-Besse				
Requested by Congressmen Tauzin & Gillmor				
Item No. (note 1)	Record Title	Est. Volume	Date	Disposition (note 2)
	16, 17).			Predecisional
E-0411	Draft Risk Evaluation of PWR CRDM Cracking by Jin W. Chung.	21 pages	08/29/01	Non-public Predecisional
E-0412	Draft ltr to NRC/DCD Re: Supplemental Information Regarding Inspection Plans & Commitments for the Davis-Besse....	8 pages	11/28/01	Non-public Predecisional
E-0418	T. Hiltz telecon briefing notes	2 pages	10/05/01	Public
E-0419	Notes of Darrell Roberts on Briefing Slides from FirstEnergy Nuclear Operating Company (FENOC)	26 pages	Undated	Non-Public Predecisional
E-0420	Notes of Darrell Roberts on Briefing Slides re: Davis-Besse Nuclear Power Station	8 pages	11/09/01	Non-Public Predecisional
E-0421	Notes of Darrell Roberts on Briefing Slides for Briefing of the Commissioners' TAs re: status of NRC Staff Review of FENOC's Bulletin 2001-01 Response for Davis-Besse	6 pages	11/30/01	Non-Public Predecisional
E-0422	Notes of Brian McCabe on FENOC - Slides - Objective: Provide Reasonable Assurance that Davis-Besse is safe to operate until February 16, 2002	26 pages	Undated	Non-Public Predecisional
H-003	Drawing DWG 620-0014, "Toledo Edison Co. Davis-Besse Nuclear Power Station General Arrangement Outline" Sheet, ML012550027	1 page	09/04/01	Public
H-008	NRC Bulletin 2001-01: Circumferential Cracking of Reactor Pressure Vessel Head Penetration Nozzles	15 pages	08/03/01	Non-public Predecisional
H-077	Letter Re: Supplemental Information in Response to the November 28, 2001 Meeting Regarding the Davis-Besse Response to NRC Bulletin 2001-01	15 pages	11/30/01	Public
H-078	Boric Acid Corrosion Guidebook Revision 1	6 pages	11/14/01	Non-public Proprietary
H-079	Request for Withholding Previously Transmitted Document from Public Disclosure	28 pages	10/30/01	Non-public Proprietary
H-080	CRDM Roll Expansion Operator Instructions	8 pages	10/22/01	Non-public Proprietary
H-084	RV Head Nozzle and Weld Safety Assessment	56 pages	09/28/01	Public
H-085	CRDM Nozzle ID Temper Bead Weld Repair Process Qualification	50 pages	09/14/01	Non-public Proprietary
H-086	Temper Head Weld Repair	15 pages	09/11/01	Non-public Proprietary
H-087	Framatone ANP Nondestructive Examination Procedure	11 pages	08/26/01	Non-public Proprietary
H-088	Table 2-1, "Key Parameters and Ranking" from Plant PWSCC Ranking and Supporting Information	2 pages	08/21/01	Non-public Proprietary
H-089	Evaluation of Circumferential Flaws in B&WOG CRDM Nozzles	63 pages	08/13/01	Non-public Proprietary
H-139	Primary Water Stress Corrosion Cracking (PWSCC) presentation	18 pages	Unknown	Non-public Proprietary
H-140	Calculation Package	39 pages	Unknown	Non-public Proprietary
H-142	Condition Reports Identified During Extent of Condition Review for Vessel Head Degradation	100 pages	Various	Non-public Proprietary

Listing of Records Concerning Vessel Head Degradation at Davis-Besse				
Requested by Congressmen Tauzin & Gillmor				
Item No. (note 1)	Record Title	Est. Volume	Date	Disposition (note 2)
H-143	Boric Acid Corrosion Tests	4 pages	Unknown	Non-public Proprietary
H-144	Boric Acid Corrosion Tests	3 pages	Unknown	Non-public Proprietary
H-145	Containment Boric Acid Extent of Condition Plan (marked up copy)	55 pages	Unknown	Public
H-146	Aramis CRDM Inspection	9 pages	Unknown	Non-public Proprietary
H-147	Three-ring binder "RCS System Performance Book #2"	375 pages	Unknown	Non-public Proprietary
H-148	Three-ring binder "RCS System Performance Book #8"	350 pages	Unknown	Non-public Proprietary
H-149	Potential Evidentiary Request List	4 pages	Unknown	Non-public Proprietary
H-150	Certified Material Test Reports	1 page	Unknown	Non-public Proprietary
H-154	CRDM Heats at B&W Design Plants	1 page	Unknown	Non-public Proprietary
H-155	Table 1 and Table 2 Alloy 600 Heats Used for Davis-Besse CRDM Nozzles	2 pages	Unknown	Non-public Proprietary
H-156	Key Plan	1 page	Unknown	Public
H-157	Reactor Vessel Head Degradation Locator	1 page	Unknown	Public
H-158	Not Labeled	1 page	Unknown	Public
H-160	FRA-ANP CRDM Inspection NDE Personnel	1 page	Unknown	Public
H-163	Index of Licensee Responses, IEB-01-001, (Log 5835) NRC Bulletin 2001-01	1 page	Unknown	Public
H-164	Three-ring binder with PCAQRs and CRs dating from 1994 through 2002	600 pages	Unknown	Non-public Proprietary
H-165	Three-ring binder with PCAQRs and CRs dating from 1994 through 1998, and SENs	100 pages	Unknown	Non-public Proprietary
H-166	Response to NRC Questions on Corrosion Stages	1 page	Unknown	Public
H-193	Davis-Besse System Health Report (4th Quarter 2001)	123 pages	12/31/01	Public
H-194	Calculation Sheet (Arrhenius Time-Weighted Average Containment Temperature)	2 pages	10/02/01	Public
H-203	Response to CR 2001-0890 Action 1	5 pages	Unknown	Public
H-204	Effectiveness Review of CR 1999-1947	7 pages	Unknown	Public
H-205	Post Outage RE4597AA (5/10/99-11/23/01)	4 pages	Unknown	Public
H-206	Chemistry performed acid digestion and iron analysis by atomic absorption on four particulate filters from 4597AA/BA	28 pages	Unknown	Public
H-207	Cycle 11, 12 & 13 CRDM Service Structure	3 pages	Unknown	Public
H-215	DB Plant Issues Re: Since startup from Cycle 23 mid-cycle outage, RE-4597AA and BA have exhibited a high rate of clogging in their particulate filters due to excessive dust/rust particles suspended in the containment atmosphere	1 page	Unknown	Public
H-216	Troubleshooting Plan for RE 4597AA low flow	7 pages	Unknown	Public

Listing of Records Concerning Vessel Head Degradation at Davis-Besse				
Requested by Congressmen Tauzin & Gillmor				
Item No. (note 1)	Record Title	Est. Volume	Date	Disposition (note 2)
H-219	Condition Report 01-2795	2 pages	10/22/01	Non-public Proprietary
H-220	Effectiveness Review of Condition Report Supplement 1999-1947	7 pages	09/17/01	Non-public Proprietary
H-221	Condition Report 01-1822	2 pages	07/23/01	Non-public Proprietary
H-227	Generic Communications	5 pages	Unknown	Non-public Proprietary
H-233	CRDM Sequence of Events	11 pages	unknown	Non-public Proprietary
H-242	Reactor Vessel Design Data	1 page	unknown	Public
H-245	Dominion Engineering, Inc.	1 page	unknown	Non-public Proprietary
H-246	CRDM Nozzle Body CMTR	1 page	unknown	Non-public Proprietary
H-0254	Plant Issues for 01/20/00, 02/16/00, and 03/17/00	6 pages	various	Public
I-005	Meeting Briefing Package, Meeting with Davis-Besse Nuclear Power Station Unit 1, To Discuss the Licensee's Proposal, to defer RPV head Inspections, ML012980187	21 pages	10/24/01	Public
I-006	Meeting Briefing Package, 11/14/2001 Meeting Handouts for Meeting with Davis-Besse re Licensee's Response to NRC Bulletin 2001-01, ML013190299	16 pages	11/14/01	Public
I-007	Meeting Briefing Package, 11/28/2001 Meeting Handouts RE: Supplemental Information RE: Inspection Plans & Commitments for Davis-Besse in Response to Bulletin 2001-01, ML013340192	27 pages	11/28/01	Public
I-008	Meeting Briefing Package, Meeting Handouts from 01/23/2002 Meeting RE: Davis-Besse Nuclear Power Station Plans for Inspection, if necessary, of Reactor Vessel Head Control Rod Drive Mechanism Bulletin 2001-01, ML020240331	11 pages	01/23/02	Public
I-010	Slides - Overview of Bulletin 2001-01: Circumferential Cracking for Reactor Pressure Vessel Head Penetration Nozzles	65 pages	11/08/01	Public
I-014	Bases for Issuing Orders [S. Long, NRR, WP file "LT brf slides"]	5 pages	09/20/01	Public
I-015	Slides for NRR Executive Team Meeting w/handwritten notes	9 pages	09/25/01	Non-public Proprietary
I-016	Executive Director for Operations Brief, Commissioners' Technical Assistants Brief 10/03/01	7 pages	10/02/01	Non-public Predecisional
I-017	Commissioners Technical Assistants Brief	14 pages	10/03/01	Non-public Predecisional

Listing of Records Concerning Vessel Head Degradation at Davis-Besse				
Requested by Congressmen Tauzin & Gillmor				
Item No. (note 1)	Record Title	Est. Volume	Date	Disposition (note 2)
I-018	Committee to Review Generic Requirements (CRGR) brief	8 pages	10/11/01	Non-public Predecisional
I-019	Director, NRR, Brief November 2001	3 pages	11/01/02	Public
I-023	MRP Alloy 600/82/182 Status Update	60 pages	11/27/01	Public
I-024	Cracking of Reactor Pressure Vessel Head Penetration Nozzles	34 pages	Unknown	Public
I-025	Davis-Besse 13 RFO Head Inspection Meeting Handouts	13 pages	Unknown	Public
I-0017a	Commissioners' Technical Assistants Brief with handwritten notes	14 pages	10/03/01	Public
I-057	Commissioners, Technical Assistants Brief	55 pages	11/14/01	Non-Public Predecisional, Proprietary
I-058	Commissioners, Technical Assistants Brief	57 pages	11/14/01	Non-Public Predecisional, Proprietary
I-059	Commissioners, Technical Assistants Brief	10 pages	11/14/01	Non-Public Proprietary
I-060	Agenda, FENOC	26 pages	Unknown	Non-Public Proprietary
I-061	Slides: Status of NRC Staff Review of FENCO's Bulletin 2001-01 Response... Brief to Commissioner's TAs	6 pages	11/30/01	Public
I-062	Slides: Status of NRC Staff Review of FENCO's... With Handwritten Notes	6 pages	11/30/01	Public
I-063	Slides: EDO brief	10 pages	11/07/01	Public
I-064	Slides: Status of NRC Staff review of FENCO's bulletin 2001-01 Response for Davis-Besse, brief to EDO	5 pages	11/29/01	Public
I-065	Slides: Status of NRC Staff review of FENCO's bulletin 2001-01 Response for Davis-Besse, brief to Commissioner's TAs	6 pages	11/30/01	Public
I-067	Notes of Brian McCabe (OCM) on Commissioners Technical Assistants Brief Package/Wednesday, October 3, 2001	14 pages	10/03/01	Non-Public Predecisional
K-08	FENOC news release	1 page	unknown	Public
K-09	News release	2 pages	unknown	Public

Note 1: The first letter in the item number represents the following:

- A - NRC internal memorandum or document
- B - NRC e-mails
- C - Incoming correspondence
- D - Outgoing correspondence
- E - NRC staff notes
- F - Pictures/photographs
- G - Video tapes
- H - Licensee documents
- I - Meeting handouts
- J - Drawings
- K - Media Documents

Note 2: Records identified as "Public" are those which NRC requests no special handling and includes documents already in NRC's public document room.

Records identified as "Non-public" on this listing include information on one or more of the following that are not routinely released to the public:

Proprietary information - Trade secret or other confidential financial or commercial information; unauthorized disclosure is prohibited by the Trade Secrets Act.

Personal privacy information that may be protected by the Privacy Act.

Predecisional interagency or intragency memoranda or letters where the information is not released in its final form and is considered as part of the agency's deliberative process before a final decision is made, may include internal communication between the Commission Staff.

Records sent to or received from foreign sources protected from public disclosure by agreements

Records related to allegations that would reveal the identity of a source or confidential information

Certain information related to the administration of NRC contracts.