July 30, 2002

 MEMORANDUM TO:
 William F. Kane Deputy Executive Director for Reactor Programs

 FROM:
 Ed Hackett, Assistant Team Leader Davis-Besse Reactor Vessel Head Degradation Lesson Learned Task Force

 SUBJECT:
 DAVIS-BESSE REACTOR VESSEL HEAD DEGRADATION LESSONS LEARNED TASK FORCE PUBLIC MEETING SUMMARIES - JUNE 12 AND JUNE 19 MEETINGS

On June 12 and June 19, 2002, members of the Davis-Besse Reactor Vessel Head Degradation Lessons Learned Task Force conducted public meetings to describe the charter and planned activities of the Task Force and to solicit comments on the charter. The June 12 meeting was held in the vicinity of the Davis-Besse site in Oak Harbor, OH. The June 19 meeting was held at NRC headquarters. The latest revision of the Task Force Charter is attached as Attachment 1. A list of meeting participants for both meetings is included as Attachment 2. Slides from both meetings are contained in Attachment 3.

There was significant public and media interest in both meetings. The team received comments on the charter and activities at both meetings. In particular, at the June 19 meeting we received a letter from Mr. David Lochbaum of the Union of Concerned Scientists (UCS) which contained specific recommendations. This letter is included as Attachment 4. The Task Force will be responding directly to Mr. Lochbaum in separate correspondence. None of the comments we received indicated a need to revise the Task Force Charter. The comments received will be considered, consistent with the charter and scope of the Task Force activities.

Attachments: As stated

cc w/attachments: W. Travers, EDO S. Collins, NRR J. Dyer, RGIII J. Grobe, RGIII July 30, 2002

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OFFICE						

DATE	7/30/02			
NAME	E. Hackett			
OFFICE				

OFFICIAL RECORD COPY

CHARTER

FOR THE

DAVIS-BESSE REACTOR VESSEL HEAD DEGRADATION

LESSONS-LEARNED TASK FORCE

REVISION 2

Objective

The objective of this Lessons-Learned Task Force is to conduct an independent evaluation of the NRC's regulatory processes related to assuring reactor vessel head integrity in order to identify and recommend areas for improvement applicable to the NRC and/or the industry.

<u>Scope</u>

The task force should address the following areas:

- a. Reactor Oversight Process Issues evaluate the underlying causes of the Davis-Besse reactor vessel head degradation, and assess whether enhancements to the NRC's reactor oversight process are warranted.
- b. Regulatory Process Issues evaluate regulations, the licensing review process, and other NRC regulatory processes such as generic communications to determine whether enhancements are warranted in light of the recent discovery of reactor vessel head degradation at Davis-Besse.
- c. Research Activities determine whether there are any issues associated with the NRC process of utilizing reactor operating experience and the results of various research programs, including research performed by NRC, to appropriately inform the regulatory process in light of the recent discovery of reactor vessel head degradation at Davis-Besse.
- d. International Practices identify and evaluate, to the extent practical, foreign regulatory practices relevant to the issues raised by the recent discovery of reactor vessel head degradation at Davis-Besse that may enhance NRC programs and practices.
- e. Generic Issue Process evaluate the NRC process for identifying and responding to emerging technical issues in light of the recent discovery of reactor vessel head degradation at Davis-Besse, including the implementation of short-term and long-term follow-on efforts by the licensee and NRC.

The scope of subjects considered by the task force should not necessarily be limited to those noted above. Should the task force decide to expand or otherwise revise the scope of the charter, the Deputy Executive Director for Reactor Programs should be informed of any significant changes to the charter or the topics of review. The task force may decide to recommend certain issues for consideration by the staff in the longer term.

The task force should also consider the results of a number of other on-going review activities. These include: (1) the staff's reviews related to the technical root causes of the degradation of the Davis-Besse reactor vessel head; (2) the findings from the NRC's Augmented Inspection Team (AIT); (3) any findings associated with planned AIT followup inspections; and (4) IMC 0350 process review activities.

Expected Product and Schedule

The task force will provide its observations, conclusions, and recommendations in the form of a written report to the Deputy Executive Director for Reactor Programs. The task force review activities should be completed by September 3, 2002. The final issuance of the report should be coordinated with the completion of the review activities, noted above, as appropriate.

Staffing

The task force will consist of the following members:

Team Leader:	Arthur T. Howell III, RIV
Assistant Team Leader:	Edwin M. Hackett, RES
Administrative Assistant:	Elaine A. Raphael, NRR
Team Members:	Russell L. Bywater, Jr., RIV Patrick I. Castleman, NMSS Joseph E. Donoghue, NRR Robert C. Haag, RII Thomas Koshy, NRR Ronald L. Lloyd, RES Joelle Starefos, RII
State Observers:	Representatives, State of Ohio

Other staff members may be consulted on a part-time basis.

Senior Management Interface

The task force will report to the Deputy Executive Director for Reactor Programs and will periodically brief senior management (Executive Director for Operations, Office Directors, Regional Administrators, or their designees) on the status of the effort and provide early identification of significant findings. In addition, the task force will regularly interface with the cognizant OEDO staff to keep them abreast of progress.

U.S. NUCLEAR REGULATORY PUBLIC MEETING WEDNESDAY, JUNE 12, 2002, 10:00 A.M. (LESSONS LEARNED TASK FORCE)

NAME	ORGANIZATION	NAME	ORGANIZATION
Art Howell	U.S. NRC	Steve Loehlein	First Energy
Lew Myer	First Energy	Tom Henry	The Blade
John Mangels	The Plain Dealer	Don Ferraro	Morgan Lewis
Linda Myers	Citizen	Richard Shard	NBC 24
Randy Pareck	Resident	Arther Lewis	First Energy
Howard Whitcomb	Resident	Craig Strumsky	First Energy
Todd Schneider	First Energy	Richard Wilkins	First Energy
Lindsy Breese	First Energy	Lori Hayes	Kelley's Island Audibon
Patrick McCloskey	First Energy	Lori Strauss	First Energy
Mary Breymaier	Sand Beach, Oak Harbor	Gary Leidich	FENOC
Chuck Devitt	First Energy	R. Strauss	First Energy
Ana Delir	Blade	Rick Neale	Port Clinton News Herald
Jere Witt	Ottawa County	Vincent Vasselle	Ottawa County
Alberta K. Seymour	Ottawa Cty	David T. Gudger	First Energy
Beverly Johnson		Norm Peterson	
Brenda Cullen	Sandusky Register	Lowell Johnson	Caroll Township
Steve Helmer	Ohio Dept. of Health	Karen Scheffer	WCPN - NPR Cleveland
Ed Hackett	NRC/RES	Bob Haag	NRC Region II

U.S. NUCLEAR REGULATORY PUBLIC MEETING WEDNESDAY, JUNE 19, 2002, 10:00 A.M. (LESSONS LEARNED TASK FORCE)

NAME	ORGANIZATION	NAME	ORGANIZATION
Joe Donohue	NRC/NRR/DLPM	Bob Haag	NRC Region II
Steve Bloom	NRC/DE	Andrea Lee	NRC/DE
Thomas Koshy	NRC/NRR/RORP	Joelle Starefos	NRC Region II
Pat Castleman	NRC/NMSS	Alex Marion	NEI
David Lochbaum	Union of Concerned Scientists	David Gudger	First Energy/ Supervisor Licensing /Proj. Mgr
Mike Woods	Pittsburgh Post Gazette	Steve Koff	Cleveland Plain Dealer
Daniel Horner	McGraw-Hill	Deann Raleigh	LIS, Scientech
Marcus Page	Morgan Lewis	Ed Hackett	NRC/RES
Stacey Rosenberg	NRC/EDO	Malia Rulon	AP

UNITED STATES NUCLEAR REGULATORY COMMISSION

DAVIS-BESSE REACTOR VESSEL HEAD DEGRADATION

LESSONS-LEARNED TASK FORCE

PUBLIC MEETING

JUNE 19, 2002

ATTACHMENT 3

MEETING AGENDA

INTRODUCTIONS AND OPENING REMARKS

TASK FORCE CHARTER

STAKEHOLDER COMMENTS REGARDING CHARTER ED HACKETT - ASSISTANT TEAM LEADER

ED HACKETT

ALL INTERESTED PARTIES

CLOSING REMARKS

ED HACKETT

ADJOURN

DAVIS-BESSE REACTOR VESSEL HEAD DEGRADATION LESSONS-LEARNED TASK FORCE

- BACKGROUND
 - ► HISTORICALLY, NRC HAS TAKEN THE INITIATIVE TO CONDUCT LESSONS-LEARNED REVIEWS FOR SIGNIFICANT PLANT AND REGULATORY ISSUES
 - ► NRC APPROACH HAS BEEN TO BE SELF-CRITICAL
 - ► EXAMPLES
 - INDIAN POINT 2 STEAM GENERATOR TUBE FAILURE LESSONS-LEARNED REPORT (2000)
 - TASK FORCE REPORT CONCERNING THE EFFECTIVENESS OF IMPLEMENTATION OF THE NRC'S INSPECTION PROGRAM AND ADEQUACY OF THE LICENSEE'S EMPLOYEE CONCERNS PROGRAM AT THE SOUTH TEXAS PROJECT (1995)
 - THESE INDEPENDENT LESSONS-LEARNED REVIEWS HAS BEEN DESIGNED TO RESULT IN IMPROVED NRC EFFECTIVENESS

LESSONS-LEARNED TASK FORCE SCOPE AND OBJECTIVES

- TASK FORCE CHARTER OBJECTIVES
 - CONDUCT AN INDEPENDENT EVALUATION OF THE NRC'S REGULATORY PROCESSES
 - IDENTIFY AND RECOMMEND AREAS FOR IMPROVEMENT APPLICABLE TO THE NRC AND/OR THE INDUSTRY
- TASK FORCE CHARTER SCOPE
 - ► REACTOR OVERSIGHT PROCESS ISSUES
 - ► REGULATORY PROCESS ISSUES
 - ► RESEARCH ACTIVITIES
 - ► INTERNATIONAL PRACTICES
 - ► GENERIC ISSUE PROCESS

LESSONS-LEARNED TASK FORCE ATTRIBUTES

• MULTI-DISCIPLINED, EXPERIENCED TEAM

• NO PAST SIGNIFICANT INVOLVEMENT IN THE OVERSIGHT OF DAVIS-BESSE

• STATE AND COUNTY OFFICIAL INVOLVEMENT

• STAKEHOLDER INPUT ON TASK FORCE REVIEW ACTIVITIES

LESSONS-LEARNED TASK FORCE COMPOSITION

- TEAM LEADER ART HOWELL, NRC REGION IV
- ASSISTANT TEAM LEADER ED HACKETT, OFFICE OF NUCLEAR REGULATORY RESEARCH (RES)
- ADMINISTRATIVE ASSISTANT ELAINE RAPHAEL, OFFICE OF NUCLEAR REACTOR REGULATION (NRR)
- GROUP ONE (DAVIS-BESSE AND REGION III)
 - ► GROUP LEADER BOB HAAG, NRC REGION II
 - ► RUSS BYWATER, NRC REGION IV
 - ► RON LLOYD, RES
 - ► JOELLE STAREFOS, NRC REGION II
- **GROUP TWO (HEADQUARTERS)**
 - ► GROUP LEADER JOE DONOGHUE, NRR
 - ▶ PAT CASTLEMAN, OFFICE OF NUCLEAR MATERIAL SAFETY AND SAFEGUARDS
 - ► TOM KOSHY, NRR
- OBSERVER, STATE OF OHIO SONIA EISCHEN

LESSONS-LEARNED TASK FORCE REVIEW AREAS

- INDEPENDENT FACT-FINDING AT THE DAVIS-BESSE SITE
- INSPECTION PROGRAM
- PLANT SAFETY PERFORMANCE ASSESSMENT PROCESS
- **REGULATORY REQUIREMENTS**
- LICENSING REVIEW PROCESSES
- INDUSTRY OPERATING EXPERIENCE REVIEW PROCESS
- ALLEGATION HISTORY

LESSONS-LEARNED TASK FORCE REVIEW AREAS (CONTINUED)

- ENFORCEMENT GUIDANCE AND HISTORY
- INDUSTRY GUIDANCE FOR MANAGING NRC REGULATORY COMMITMENTS
- INDUSTRY TECHNICAL INITIATIVES
- BORIC ACID CORROSION AND INCONEL ALLOY 600 RESEARCH ACTIVITIES
- INTERNATIONAL EXPERIENCE AND PRACTICES
- GENERIC ISSUE PROCESS
- INDEPENDENT REVIEW OF TECHNICAL IMPLICATIONS

LESSONS-LEARNED TASK FORCE SCHEDULE

TASK FORCE PREPARATION	JUNE 3 - 23
PREPARATORY SITE VISIT AT DAVIS-BESSE	JUNE 10 - 11
PUBLIC MEETING NEAR DAVIS-BESSE	JUNE 12
PREPARATORY VISIT AT THE NRC REGION III OFFICE	JUNE 13 - 14
PUBLIC MEETING IN NRC HEADQUARTERS OFFICE	JUNE 19
GROUP 1 TASK FORCE REVIEW AT DAVIS-BESSE SITE	JUNE 24 - JULY 3
GROUP 1 TASK FORCE REVIEW IN THE NRC REGION III OFFICE	JULY 8 - 12
GROUP 2 TASK FORCE REVIEW IN NRC HEADQUARTERS	JUNE 24 - JULY 28
TASK FORCE REPORT ISSUANCE	SEPTEMBER

UNITED STATES NUCLEAR REGULATORY COMMISSION

DAVIS-BESSE REACTOR VESSEL HEAD DEGRADATION

LESSONS-LEARNED TASK FORCE

PUBLIC MEETING

JUNE 12, 2002

MEETING AGENDA

INTRODUCTIONS AND OPENING REMARKS **ART HOWELL, TEAM LEADER** LICENSEE INTRODUCTIONS FIRSTENERGY TASK FORCE CHARTER ED HACKETT, ASST. TEAM LDR. DAVIS-BESSE ONSITE REVIEW ACTIVITIES **BOB HAAG, GROUP LEADER** LICENSEE REMARKS FIRSTENERGY BREAK STAKEHOLDER REMARKS REGARDING CHARTER **ALL INTERESTED PARTIES CLOSING REMARKS ART HOWELL ADJOURN**

DAVIS-BESSE REACTOR VESSEL HEAD DEGRADATION LESSONS-LEARNED TASK FORCE

- BACKGROUND
 - ► HISTORICALLY, NRC HAS TAKEN THE INITIATIVE TO CONDUCT LESSONS-LEARNED REVIEWS FOR SIGNIFICANT PLANT AND REGULATORY ISSUES
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TASK FORCE REPORT ISSUANCE	SEPTEMBER

LESSONS-LEARNED TASK FORCE REVIEW ACTIVITIES

- PLANT EQUIPMENT REVIEWS
- DIRECT OBSERVATION OF ACTIVITIES
- INTERVIEWS AT MULTIPLE LEVELS
- PROGRAM, PROCESS, AND DOCUMENT REVIEWS
- OBSERVANCE OF SELECTED NRC STAFF, LICENSEE, INDUSTRY MEETINGS

DAVIS-BESSE ONSITE REVIEW ACTIVITIES

- INDEPENDENTLY EVALUATE DAVIS-BESSE PLANT INFORMATION RELATIVE TO ON-GOING TASK FORCE ASSESSMENT OF APPLICABLE NRC PROGRAMS AND PROCESSES TO IDENTIFY AREAS FOR NRC AND INDUSTRY IMPROVEMENT
 - ► INFORMATION OBTAINED FROM SELECTED PLANT RECORD REVIEWS
 - PLANT PROCEDURES
 - MAINTENANCE AND TESTING RECORDS
 - ENGINEERING RECORDS, INCLUDING SYSTEM STATUS REPORTS
 - OPERATIONS RECORDS, INCLUDING PLANT LOGS
 - PLANT AND SYSTEM MODIFICATION RECORDS
 - QUALITY ASSURANCE AND CORRECTIVE ACTION RECORDS
 - RECORDS ASSOCIATED WITH THE CORRECTIVE ACTIONS INVOLVING THE BORIC ACID CORROSION OF PRESSURIZER SPRAY VALVE BOLTS
 - SELF-ASSESSMENT, ROOT-CAUSE, LESSONS-LEARNED, AND SAFETY REVIEW COMMITTEE REPORTS
 - RECORDS ASSOCIATED WITH THE REVIEW OF INDUSTRY EXPERIENCE
 - VIDEOTAPES OF THE REACTOR VESSEL HEAD
 - BORIC ACID CORROSION PREVENTION PROGRAM RECORDS
 - INCONEL ALLOY 600 NOZZLE INSPECTION RECORDS
 - RADIATION EXPOSURE AND RADIOACTIVE WASTE RECORDS
 - STATION PERFORMANCE INDICATORS

DAVIS-BESSE ONSITE REVIEW ACTIVITIES (CONTINUED)

- INFORMATION OBTAINED FROM STRUCTURE, SYSTEM, AND COMPONENT WALK-DOWNS
- ► INFORMATION REVIEWED AS PART OF NRC AUGMENTED INSPECTION TEAM
- INFORMATION OBTAINED FROM INTERVIEWS OF FIRSTENERGY MANAGEMENT AND STAFF PERSONNEL
- INFORMATION OBTAINED FROM THE OBSERVATION OF SELECTED PLANT ACTIVITIES

LICENSEE SUPPORT ORGANIZATION

• COUNTERPARTS PROVIDED

• TECHNICAL AND ADMINISTRATIVE SUPPORT PROVIDED

• **RESPONSE LIBRARY PROVIDED**

• FORMAL REQUEST/RESPONSE TRACKING PROVIDED