

**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**
  - ▶ **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)**
  - ▶ **THIS INDEPENDENT LESSONS-LEARNED REVIEW 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**
- **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**

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

## **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**