

**TRANSMITTAL OF MEETING HANDOUT MATERIALS FOR
IMMEDIATE PLACEMENT IN THE PUBLIC DOMAIN**

*This form is to be filled out (typed or hand-printed) by the person who announced the meeting (i.e., the person who issued the meeting notice). The completed form, and the attached copy of meeting handout materials, will be sent to the Document Control Desk on the same day of the meeting; under no circumstances will this be done later than the working day after the meeting.
Do not include proprietary materials.*

DATE OF MEETING

01/23/2002

The attached document(s), which was/were handed out in this meeting, is/are to be placed in the public domain as soon as possible. The minutes of the meeting will be issued in the near future. Following are administrative details regarding this meeting:

Docket Number(s)	<u>50-346</u>
Plant/Facility Name	<u>Davis-Besse Nuclear Power Station</u>
TAC Number(s) (if available)	<u>MB-2626</u>
Reference Meeting Notice	<u>ML020110146</u>
Purpose of Meeting (copy from meeting notice)	<u>To discuss the Davis-Besse Nuclear Power Station plans for inspection,</u> <u>if necessary, of the reactor vessel head Control Rod Drive Mechanism</u> <u>Bulletin 2001-01</u>

NAME OF PERSON WHO ISSUED MEETING NOTICE

Stephen P. Sands

TITLE

Project Manager

OFFICE

NRR

DIVISION

DLPM

BRANCH

PD3-2

Distribution of this form and attachments:

Docket File/Central File
PUBLIC

DF01

Why We're Here

- ★ Discuss Davis-Besse CRDM nozzle inspection and repair plans.
- ★ Discuss application of flaw evaluation criteria at Davis-Besse.
- ★ Answer NRC questions and assure that all requested information is provided.
- ★ Identify methods/requirements for continuing communications.



Goal of Inspections and Repairs

★ Assure safe operation of Davis-Besse until 14RFO in 2004, when RPV head replacement is planned.



Inspection Schedule

- ★ Shutdown February 16
- ★ Start Visual Inspection February 21
- ★ UT Inspection February 22 - 26
- ★ Start Repairs February 24
- ★ Startup March 22



Inspection and Repair Commitments

- ★ Qualified visual examination
 - Qualified personnel
 - Capable equipment
 - Governed by a procedure
 - Plant specific gap analysis
 - Nozzle un-obscured
- ★ Ultrasonic testing of 100% of nozzles
- ★ Supplemental examination of nozzles 1-4 and obscured nozzles
- ★ Dye penetrant test of nozzles with verified leak path
- ★ Characterize flaws through destructive examination consistent with ALARA
- ★ Meet with NRC prior to 13RFO



Inspection Plans

- ★ Perform qualified visual examination of un-obscured nozzles
 - Framatome procedure
 - Improved videotape of inspection
- ★ Perform ultrasonic testing of 100% of nozzles
 - Framatome under-head blade probe UT utilizing ARAMIS delivery system
 - Framatome top down rotating probe UT for open nozzles



Inspection Plans

★ Characterization of nozzles with leak path verified by visual inspection.

- Framatome top down rotating probe UT
- Remote PT of weld and OD of nozzle

★ Flaw characterization

- No remote destructive examination technology available
- Current dose estimate (14 man-rem) may preclude manual destructive examination



Flaw Evaluation Guidelines

Reference: November 21, 2001 NRC Proposed Flaw Evaluation Guidelines

★ Pressure boundary flaws

- Utilize the MRP recommended crack growth rate
- Base material repair in accordance with ASME section XI and approved relief requests

★ Non-pressure boundary flaws

- Utilize the MRP recommended crack growth rate
- Projection of axial flaws to bottom of weld



Repair Plans

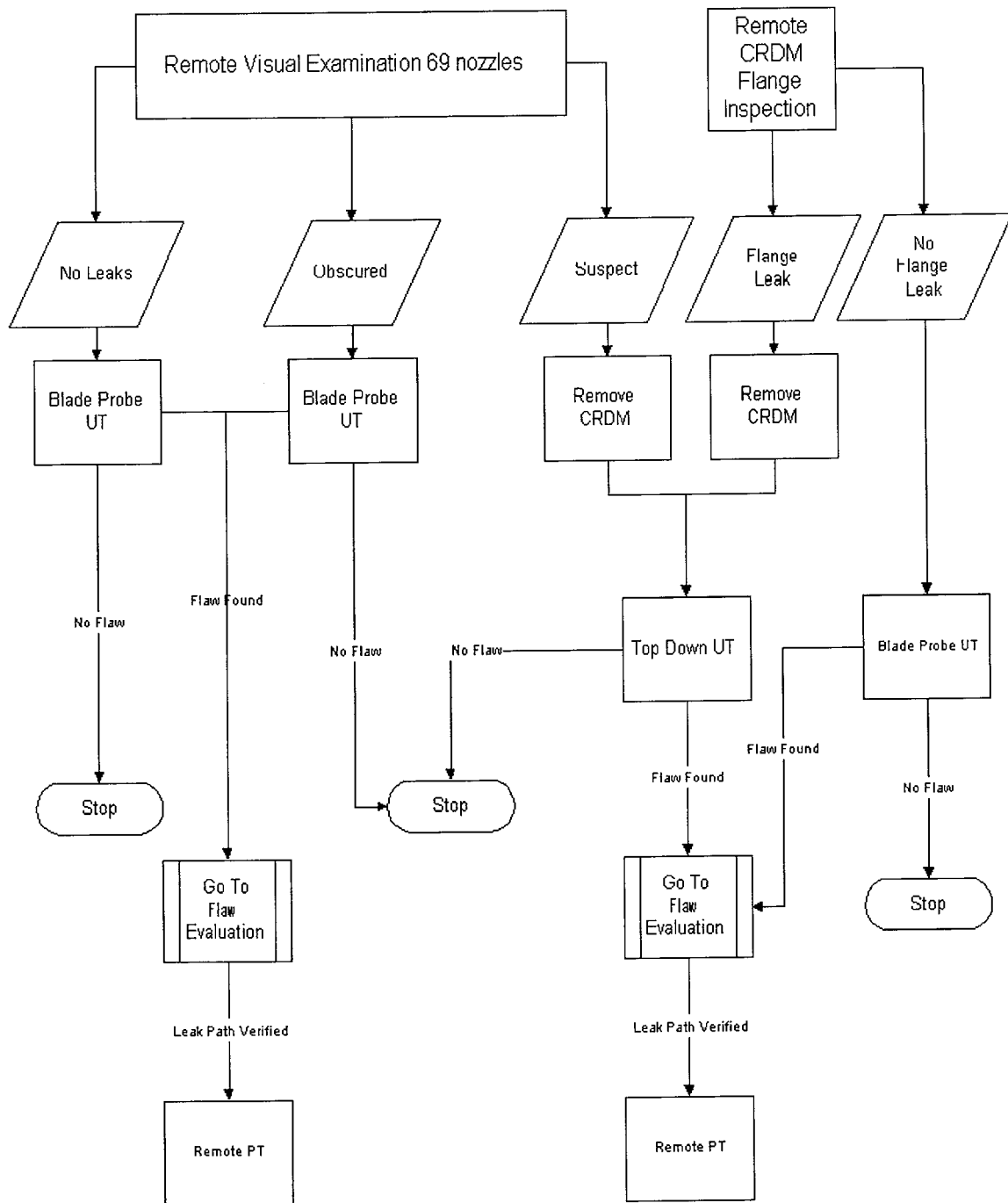
★ Utilize Framatome ambient temperature temper-bead repair

- Low dose
- Industry experience
- Longevity

★ ASME relief requests submitted for NRC review January 14, 2002



Davis-Besse 13RFO Reactor Head Nozzle Inspection Flow Chart



Flaw Evaluation Flow Chart

