

Davis-Besse Nuclear Power Station Request for Documents – (September 21, 2011)

Inspector- M. Holmberg (630) 829-9748 or E-mail - mel.holmberg@nrc.gov.

To support NRC review (IP 71007 - Reactor Vessel Head Replacement Inspection) of the activities related to construct of a temporary opening in the Davis-Besse containment and shield building please provide paper copies of the following information to the inspector at the on-site review location on October 11, 2011:

- A.** For the containment vessel (CV) and Shield Building (SB) access opening in support of reactor vessel head replacement provide a copy of:
- 1) Detailed schedule for CV and SB access cut and restoration to include: a) SB concrete removal and reinstallation with related activities (e.g. field concrete tests such as slump and air tests or qualification of rebar splicing) and; b) CV access patch removal and reinstallation with related activities (e.g. welding, nondestructive testing, welder qualification and/or mockup training).
  - 2) ASME Code Section XI Repair/Replacement Plan identifying Construction Code and Code Cases applicable to the CV access opening and restoration.
  - 3) Codes, standards and specifications applicable to the construction of the CV and SB access opening and restoration (e.g. Code (e.g. 1968 Edition summer 1969 Addenda of ASME Code Section III, CV and SB Design Specifications, ASTM C 94/C 94M-00, "Standard Specification for Ready-Mix Concrete," etc)
  - 4) Applicable Sections of Codes, Standards or Design Specifications that identify the non-destructive examination (NDE) requirements (e.g. RT, MT, VT) for the closure welding performed on the CV and restoration of the SB opening.
  - 5) Applicable Codes for qualification of weld procedures and welders used on CV closure welding and on shield building steel reinforcement (rebar) if applicable.
  - 6) Applicable Specification or Standards for crimping of rebar associated with restoration of the SB opening and the source documents (e.g. Design changes, UFSAR changes and 10 CFR 50.59 or 10 CFR 50.54f screenings) which evaluated mechanical crimping as an alternative to welding.
  - 7) Fabrication drawings (D-size) for the existing CV detailing existing weld locations and SB drawings which identify reinforcement in area of proposed access opening. Drawings associated with the CV and SB opening and restoration identifying cut locations and new welds or changes in reinforcement design.

- 8) List identifying the weld process, procedures and applicable revision for each new weld on the containment vessel and a copy of these welding procedures specifications (including the supporting procedure qualification records).
  - 9) List of welders or weld operators that are to be used to perform welding on the CV.
  - 10) CV and SB Mod packages (summary description sections only) and safety evaluations.
  - 11) CV coating design specification.
  - 12) List of procedures/work orders (including description) that control the work activities and non-destructive examination of the CV and SB opening and restoration and a copy of each of these instructions or procedures.
  - 13) Applicable sections of work orders/instructions that identify the quality control hold point and witness checks for the CV and SB work as specified by the on-site quality control organization.
- B.** Brief summary overview of the CV and SB opening and restoration process including contractor leads (with points of contact), and work instructions/procedures to be used (e.g. Work instruction xxx -CV Restoration, Work Order yyy- Concrete Placement and Test Plan for SB ).