

SEP 24 1976

POOR  
ORIGINAL

Docket No. 50-346

MEMORANDUM FOR: J. F. Stoiz, Chief, Light Water Reactors Branch No. 1, UPR  
FROM: D. F. Burch, Chief, Accident Analysis Branch, UPR  
SUBJECT: OUTSTANDING SER ITEMS INVOLVING HABITABILITY SYSTEMS

PLANT NAME: Davis-Besse Unit No. 1  
LICENSING STAGE: OL  
DOCKET NUMBER: 50-346  
MILESTONE NUMBER: 27-31  
RESPONSIBLE BRANCH: LWR No. 1  
PROJECT MANAGER: L. Engle  
REQUESTED COMPLETION DATE: N/A  
REVIEW STATUS: Review Continuing

In our SER input of July 25, 1976, several outstanding items concerning habitability systems were identified. Subsequently, very little progress has been made in resolving these issues. This memo provides the current status of these items for inclusion in the SER. The following outstanding items were identified:

1. Operator thyroid dose in excess of guidelines.
2. Automatic actuation of emergency filter from high radiation signal not provided.
3. Periodic control room pressure testing not planned.
4. Adequate description of door sealing system not provided.
5. Remote chlorine detectors not provided.
6. Adequate breathing apparatus and bottled air not provided.

Item 1 involving thyroid dose has been eliminated due to improvement in the windspeeds used in the analysis. These speeds, based on current meteorology, had the effect of reducing the calculated exposures by more than a factor of two.

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The need for automatic actuation of the emergency filter by radiation monitors (Item 2) has been modified. All applications like Davis-Besse Unit No. 1 need only provide properly located and alarmed area monitors in the control room. The emergency equipment may be manually started by the operator. Davis-Besse Unit No. 1 complies with this requirement.

Items 3 through 6 remain outstanding and require resolution before a finding of acceptability can be made regarding control room habitability. The applicant should be reminded of our concerns in this area and encouraged to seek an immediate resolution. We will meet with the applicant as necessary to close out these issues.

Original signed by:  
Delbert F. Bunch

D. F. Bunch, Chief  
Accident Analysis Branch  
Division of Site Safety and  
Environmental Analysis

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