

### 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

11/19/1999

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)

\_\_\_\_\_

Plant/Facility Name

\_\_\_\_\_

TAC Number(s) (if available)

\_\_\_\_\_

Reference Meeting Notice

November 3, 1999

Purpose of Meeting  
(copy from meeting notice)

NRC staff to provide NEI Task Force on Control Room

Habitability specific staff comments on the draft of NEI

99-03, Control Room Habitability Assessment Guidance

NAME OF PERSON WHO ISSUED MEETING NOTICE

**Joseph L. Birmingham**

TITLE

**Project Manager**

OFFICE

**NRR**

DIVISION

**DRIP**

BRANCH

**RGEB**

Distribution of this form and attachments:

Docket File/Central File

**PUBLIC**

**DIF03**

**PDR DRG**

# **NRC/NEI MEETING ON CONTROL ROOM HABITABILITY**

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**RICH BARRETT/MARK REINHART/JACK HAYES  
PROBABILISTIC SAFETY ASSESSMENT BRANCH  
November 19, 1999**

# Enhancements to NEI 99-03

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- Purpose and Use of the Document
- Structure
- Enhance Certain Topics
- Assure Completeness
- Factual
- Basis for Assumptions and Conclusions
- No Statistical Selectivity
- Relevancy of Information

# Ventilation System Issues

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- **Need to Understand Ventilation Systems**
  - Designs presented not necessarily representative
  - Ventilation systems within the control room envelope as a conveyor
  - Axioms but not truths
  - Charcoal as a toxic gas mitigator
  - Mass flow balancing as a measurement of inleakage
  - Table C.2.3.1-1
  
- **Completeness of Information**
  - Description of CONTROL ROOM ENVELOPE
  - Table 2.1.1.1 data
  - Figure 2.1.1-1
  - Table 2.3.1.1-1
  - N RC Regulations and Guidance
  - AG-1 as a source for testing
  
- **Basis for numbers of 335 and 500 cfm**
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# Dose Assessment Issues

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- Possible Misuse of Document
- Balance Conservatism with non-conservatism
  - MSIV Leakage, Suppression Pool Scrubbing, ARCON96, DCFs
- 5 Rem TEDE  $\neq$  5 Rem Whole Body
- Discussion on Conservatism is a snapshot
- Accidents considered are incomplete
- Fair & Factual Information
  - Reactor Coolant Activity Level of  $^{131}\text{I}$
  - Fuel handling accident gap activity
  - ECCS leakage
  - Noble gases contributing to inhalation doses

# **METEOROLOGICAL ISSUES**

- **Generic Concerns Mentioned Previously Apply**
- **Purpose of Meteorological Information in NEI 99-03**
- **Limiting Dose/Limiting X/Qs**
- **Toxic Chemical Assessment**
- **Broader View of Meteorology**