

MEETING REPORT

FRC PROJECT 02G-C5257-01  
NRC CONTRACT NRC-03-79-118

DATE: December 18, 1979

FRC PERSONNEL: Carfagno, Sargent, Stilwell, Stone, Stover, Zudans

PLACE: NRC, Phillips Building, Room P118, Bethesda, MD

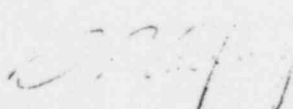
NRC PERSONNEL: Adensam, Clemenson, Fair, George, Glagola, Huang, Johnson, Kendal, Panciera, Scholl, Sellers, Wichman, Zech

OBJECTIVE: Technical Review Meeting for November 1979

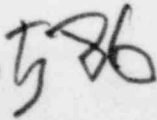
SUMMARY: The topics listed on the attached agenda were discussed. (Reports prepared by FRC Group Leaders on Topics 5, 6 and 7, which were discussed separately with the lead NRC engineers, are attached to this report.)

DECISIONS AND FOLLOWUP ITEMS:

1. *Initial Reviews* are to be completed on all Containment Leakage Testing (CLT) tasks before proceeding to final reviews on any of them.
2. New information obtained at Cook 2 plant (CLT Task 12) may dictate a re-evaluation of the Cook 1 task (CLT Task 11).
3. It is understood that intermediate milestone target dates are flexible; however, delays may impact the completion schedule. When schedule changes are necessary, FRC is to advise NRC of new schedule and reasons for change.
4. It was re-emphasized that FRC engineers are encouraged to consult lead NRC engineers by telephone. FRC may call the NRC performance monitor when the NRC lead engineer is not available. Insofar as possible, FRC review and evaluation reports should have concurrence of the responsible NRC engineer prior to formal submittal. In some cases, it may be advisable for FRC to submit an informal draft to facilitate discussion by telephone.
5. Requests for documents should be made by telephone whenever possible. FRC is to maintain a record of each request and of the documents received.
6. Within a few days, NRC will provide final assignments on all current tentative assignments.
7. Written communications to the NRC should be mailed as shown on the attached "Distribution of Communications to NRC."
8. The next technical review meeting is tentatively scheduled for the week of 1/14/80 at NRC.

  
S. P. Carfagno

DIST: PROJECT STAFF

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8001160 

TENTATIVE AGENDA

TECHNICAL REVIEW MEETING FOR OCTOBER 1979

*P118 (off lobby)*  
Phillips Building, Room ~~P114~~, Bethesda, MD, Tuesday, December 18, 1979 10:30 am.

1. Containment Leakage Testing - review of 12/12/79 conference results
2. Final Assignments
3. Milestone/Status Reporting Format
4. Budget Status Program
5. Containment Purge
6. Fracture Toughness
7. Control of Heavy Loads

DIST: SPC, ZZ, ISH, TJD, TCS, STONE, <sup>H</sup>ASTON, STOVER  
05257

*OPC*

1758 300

DISTRIBUTION OF COMMUNICATIONS TO NRC

MONTHLY REPORTS

ADDRESS

15 copies	Gary Zech Project Officer	2
2 copies	A. F. Glagola Contract Officer	1

SCHEDULE LETTERS

Gary Zech NRC Performance Monitor Lead NRC Engineer A. F. Glagola	1
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TECHNICAL COMMUNICATIONS

<u>FORMAL</u>	Gary Zech NRC Performance Monitor (cover letter only) Lead NRC Engineer A. F. Glagola	1
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<u>INFORMAL</u>	USE STANDARD COVER FORM Gary Zech (cover form only) NRC Performance Monitor (cover form only) Lead NRC Engineer A. F. Glagola	1
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DOCUMENT REQUESTS\*

Gary Zech (Cover letter only) Lead NRC Engineer - include duplicate of each request form (to be re- turned with document re- quested).	1
A. F. Glagola	

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ADDRESSES:

1. U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555  
ATTENTION: Name of Recipient (At lower left of envelope)
2. U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555  
c/o Distribution Services Branch  
TO BE OPENED BY ADDRESSEE ONLY

1758 301

\*Documents should be requested by telephone whenever possible.

## THE FRANKLIN INSTITUTE

C5257  
Containment  
Purge

Memorandum

Philadelphia, December 21, 1979

To File

From J. Stone

## TRIP REPORT

Trip to: NRC  
Bethesda, Md.

Date of trip: 12/18/79

Trip by: Z. Zudans, S. Carfagno, I. Sargent  
J. Stover, T. Stilwell, J. Stone

Subject: Conference on Project

The first hour of the conference was devoted to a review of the monthly reports and general discussion of progress. The meeting was then divided into groups so that specific areas could be covered. This report covers the group discussion on Containment Purge.

A draft of the "request for information" letter was reviewed by Ray Scholl. He did not agree to our format and gave us samples of the format they would like to have. We shall follow this format and send the first letter to him as soon as possible. The schedule we proposed had been reviewed carefully by Ray and he agrees that our schedule is good. The problem that exists is with the NRC schedule. There may be a month to 6 weeks delay in the NRC review of our letters that would have a very serious effect on FRC meeting the proposed schedule. Ray Scholl and Vince Panciera will discuss this problem to see whether NRC can operate in a parallel mode just as we have planned to do in order to meet the proposed schedule.

cc: Z. Zudans, S. P. Carfagno, I. H. Sargent, T. J. DelGaizo,  
J. Prior, T. Stilwell, C. A. Belsterling, J. Stone

1758 302

TRIP REPORT

GENERIC TASK D MEETING WITH NRC

REPORT DATE: 12/20/79

Date: December 18, 1979

Place: Philips Bldg, NRC Office, Bethesda, MD

Attendees: Dave Sellers (NRC)  
Tom Stillwell (FRC)

1.) A subsidiary meeting on generic Task D was held concurrent with, and subsequent to, the latter portions of the Project C-5257-01 meeting of the same date.

2.) Task D schedule was reviewed.

2a) NRC had no prepared comments. Although mailed Nov. 14, 1979 and promptly received at NRC, Sellers had not previously received his copy and had no opportunity to review our work schedule.

2b) Stilwell pointed out that:

1. The schedule final dates mark report due dates. These reports summarize review of "second round," plant specific information received from the utilities. Based on plant specific utility evidence, individual tasks may be found to:

a) Be resolved

or

b) Require further action.

FRC's report will advise NRC as to plant status and supply reasons for the conclusions drawn. Thus, scheduled final dates are not necessarily to be regarded as commitments for final resolution of all cases. They may be regarded as earliest dates for final resolution of some tasks.

2c) Monthly computer print-outs are *status reports*. Progress is determined from the status differential between monthly reports. Thus activities already completed by NRC as well as those completed by FRC are shown on the Nov. 1979 report.

- 2d) Blank items reflect plant reviews implied by data received but not specifically requested in the Task D tentative assignment. Sellers will investigate this.
- 2e) Sellers stated that he had been approached to see if the review of TMI could be scheduled early. Present scheduling, however, appears adequate. No action required at this time.
- 3.) Task D Scope was discussed.

- 3a) Stilwell pointed out that there may be ambiguity in Task D scope definition.

Page 4 of NUREG 0577 (Draft) indicates investigation of embedded supports "would entail a broad and somewhat unrelated study" and excludes this matter from A 12 activity to date. Page 10 implies that this concern will nevertheless be included in the plant specific reviews, an investigation FRC has not understood to be within its initial scope. Sellers will discuss this point with NRC management and let us know.

- 3b) Stilwell pointed out that Appendix D of NUREG 0577 (draft) already lists a number of "second round" plant specific questions. FRC presumes that future issues raised with utilities are not necessarily limited to those of Appendix D. Sellers agrees.

- 4.) Technical issues were discussed. NUREG 0577 (draft) provides the criteria:

$$\overline{NDT} + 1.3\sigma + \begin{cases} 30^{\circ}\text{F} \\ 60^{\circ}\text{F} \end{cases} < 75^{\circ}\text{F}$$

Stilwell pointed out that the temperature term is stated to be a thickness allowance, but that the thickness ranges for 30°F and for 60°F are nowhere defined in NUREG 0577 (draft). The dividing line between "thick" and "thin" material is usually taken in the literature as 2 inches. Stilwell asked if this is the interpretation intended. Sellers will investigate and let us know.

## 5.) Report Format was discussed.

Stilwell requested a sample report (on this issue or others) that could be followed in the case of the Group III plants to be addressed in the initial stages of Task D. Sellers will provide one.

## 6.) Task Staffing was discussed.

Stilwell reported that we are seeking support in the area of steel making practice to assist our in-house metallurgical capabilities. To this end FRC has interviewed Mr. Al Alten of (now defunct) Allen Wood Steel and also will, with NRC approval, investigate possibilities of obtaining ASTM expertise on a sub-contract basis. Furthermore, Carl Dorshu (known to Sellers) has expressed willingness to assist on welding technology issues.

Sellers indicated general approval of these approaches. He will check with his management to see if there are any objections to a possible ASTM sub-contract. He also mentioned the possibility of using Legish University expertise.

## 7.) Impact of NUREG 0577 (draft) was discussed.

Sellers reported that, as a result of questions previously raised by Stilwell, he had investigated the distribution of NUREG 0577 (draft). This has not as yet been officially submitted to the utilities for comment. It has, however, been widely distributed elsewhere. Sellers feels that the utilities are consequently aware of it. He has not yet heard of any ramifications from its release.

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TRIP/MEETING REPORT

Case/Project Number: C 5257 HEAVY LOADS

Date: 18 Dec 1979

FRC Personnel: SARGENT

Person/Place Visited or Visitors: USNRC - Bethesda / George Clementson

Objective: Discuss comments/clarification on Nureg 0612 (Draft 3),  
review proposed checklists + information requests.

Summary: Reviewed preliminary FRC comments on Nureg 0612  
(FRC task 175)

Follow-up: Need to schedule an additional meeting on this subject to  
continue discussions within the next few weeks (Sargent to arrange)  
Sargent to develop definition for Safe Shutdown Equipment.

Discussion: ① Discussed each comment provided by FRC through  
inquiry letter dated 11/25/79.  
② Most issues resolved by explanation or proposed revision to Nureg 0612.  
Some require further investigation.  
③ Didn't have time for detailed discussion of generic letter on  
depth of technical reviews (how much detail required from licensee /  
acceptability of commitments), second meeting required to followup on  
these topics.  
④ Clementson provided a proposed checklist (preliminary) of value  
in ensuring completeness of review.

Distribution: VP's, Stover, Ligett, MMR/ZZ

POOR ORIGINAL

175/306



TRIP/MEETING REPORT

Case/Project Number: C 5257 DIESEL REL

Date: 18 Dec 1979

FRC Personnel: SARGENT, CARFAGNO, ZWONS

Person/Place Visited or Visitors: USNRC - Bethesda  
CLEMENS, PANCIERA, ADENSAN

Objective: Discuss NRC requirements concerning Diesel Generator  
RELIABILITY AND FRC'S ABILITY TO RESPOND TO THESE REQUIREMENTS.

Summary: NRC (CLEMENS) DISCUSSED NEED FOR INVESTIGATING DIESEL  
RELIABILITY AND THE FINDINGS ON THIS MATTER DURING A PRIOR  
INVESTIGATION (MUREL CROBLO). FRC (SARGENT) BRIEFLY DISCUSSED  
OUR UNDERSTANDING OF THE PROBLEM AND DIESEL RELATED EXPERIENCE  
WHICH WILL SUPPORT AN FRC EVALUATION OF LICENSEE RELIABILITY  
IMPROVEMENT PROGRAMS.

Follow-up: FRC TO PREPARE A PARAGRAPH DESCRIBING TECHNICAL ABILITY  
AND PROPOSED METHODS TO UNDERTAKE THE TECHNICAL REVIEW OF  
RELIABILITY IMPROVEMENT PROGRAMS.

Discussion: ① WHY ORIGINAL STUDY UNDERTAKEN - PERFORMANCE LOSS THAN EXPECTED  
② Diesel expertise necessary to provide technical evaluation of proposed  
alternatives / tradeoffs (understand diesel plant system importance)  
③ NO IMMEDIATE NEED - Generate letter in 2-3 months. Will discuss utilities  
~120 d to reply  
④ Report to include all plants (including SEP)  
⑤ FRC should provide discussion of capabilities in advance of meeting so  
it can be reviewed by NRC staff (CLEMENS). TARGET DATE FOR SUBMITTAL  
OF THIS REPORT IS MID-JANUARY.

Distribution: VP's, Stover, Ligett, MMR/ZZ

POOR ORIGINAL

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