APR 3 1978

R. Tedesco

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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

APR 3 1978

Docket Nos. 50-358, 50-387, 50-352/353, 50-367, 50-373/374, 50-388, 50-410 and 50-322

MEMORANDUM FOR: R. L. Tedesco, Assistant Director for Plant Systems, DSS

FROM: C. J. Anderson, Task Manager, Containment Systems Branch, DSS

SUBJECT: FORTHCOMING MEETING WITH MARK II OWNERS GROUP, GENERAL ELECTRIC AND LIVERMORE ON MARK II CONTAINMENTS

TIME: 9:00 AM

DATE: April 5 and April 6, 1978

LOCATION: Livermore, California (April 5)
San Jose, California (April 6)

PURPOSE: To discuss the Mark II Containment Pool Dynamics Load Program

PARTICIPANTS: NRC

I. Peltier, T. Su, A. Hafiz, C. Anderson, C. Grimes, B. Liaw

MARK II OWNERS

H. Brinkman, et al.

GENERAL ELECTRIC

B. Sobon, et al.

LIVERMORE

E. McCauley

C. J. Anderson

C. J. Anderson, Task Manager
Containment Systems Branch
Division of Systems Safety

Enclosure:
Agenda

Distribution: See Page 2

mt
Ltr

Mark II - NRC Meeting
Proposed Agenda

Livermore - April 5, 1978

I. Livermore Fluid Structure Interaction Program

   A. SRV Study

   B. Chugging Study

II. Submerged Structure Drag Loads

   A. NRC Questions

   B. DFFR Loads for Lead Plants

San Jose - April 6, 1978

I. Monticello SRV - Mark II Fluid Structure Interaction Studies

II. Pool Temperature Limits NRC Review Status

III. DFFR Lead Plant SRV Loads

   A. Philosophy

   B. Ramshead Model

IV. 4T FSI - Mark II Program to Devise Chugging Impulse Load

V. PSTF Impact Load

   A. BNL Study

   B. Plant Target Characteristics

CENTRAL FILES

UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
631 PARK AVENUE
KING OF PRUSSIA, PENNSYLVANIA 19406

AUG 9 1978

Docket No. 50-410/78-6

Niagara Mohawk Power Corporation
ATTN: Mr. G. K. Rhode
Vice President
System Project Management
300 Erie Boulevard, West
Syracuse, New York 13202

Gentlemen:

Subject: Inspection 50-410/78-06

This refers to the inspection conducted by Mr. L. Narrow of this office on July 25-27, 1978, at Nine Mile Point Nuclear Station, Unit 2, Scriba, New York, and your office, of activities authorized by NRC License No. CPPR-112 and to the discussions of our findings held by Mr. Narrow with Mr. Bryant and other members of your staff at the conclusion of the inspection.

Areas examined during this inspection are described in the Office of Inspection and Enforcement Inspection Report which is enclosed with this letter. Within these areas, the inspection consisted of selective examinations of procedures and representative records, interviews with personnel, and observations by the inspector.

Within the scope of this inspection, no items of noncompliance were observed.

In accordance with Section 2.790 of the NRC's "Rules of Practice," Part 2, Title 10, Code of Federal Regulations, a copy of this letter and the enclosed inspection report will be placed in the NRC's Public Document Room. If this report contains any information that you (or your contractor) believe to be proprietary, it is necessary that you make a written application within 20 days to this office to withhold such information from public disclosure. Any such application must be accompanied by an affidavit executed by the owner of the information, which identifies the document or part sought to be withheld, and which contains a statement of reasons which addresses with specificity the items which will be considered by the Commission as listed in subparagraph (b)(4) of Section 2.790. The information sought to be withheld shall be incorporated as far as possible into a separate part of the affidavit. If we do not hear from you in this regard within the specified period, the report will be placed in the Public Document Room.

26

No reply to this letter is required; however, if you should have any questions concerning this inspection, we will be pleased to discuss them with you.

Sincerely,

Robert T. Carlson

Robert T. Carlson, Chief
Reactor Construction and Engineering
Support Branch

Enclosure: Office of Inspection and Enforcement Inspection Report
Number 50-410/78-06

cc w/encl:
Eugene B. Thomas, Jr., Esquire

U.S. NUCLEAR REGULATORY COMMISSION
OFFICE OF INSPECTION AND ENFORCEMENT

Region I

Report No. 50-410/78-06

Docket No. 50-410

License No. CPPR-112 Priority -- Category A

Licensee: Niagara Mohawk Power Corporation
300 Erie Boulevard, West
Syracuse, New York 13202

Facility Name: Nine Mile Point Nuclear Station, Unit 2

Inspection at: Scriba, New York

Inspection conducted: July 25-27, 1978

Inspectors: Louis Narrow 8/7/78
L. Narrow, Reactor Inspector date signed

date signed

date signed

Approved by: R. W. McGaughy August 9 1978
R. W. McGaughy, Chief, Construction Projects Section, RC&ES Branch date signed

Inspection Summary:

Inspection on July 25-27, 1978 (Report No. 50-410/78-06)
Areas Inspected: Routine, unannounced inspection by a regional based inspector of QC program for installation of mechanical equipment; review of equipment maintenance program during shutdown of construction; and review status of outstanding items, Bulletins and Circulars. The inspection involved 22 in ector-hours on site and at the licensees office by one NRC inspector.
Results: No items of noncompliance were identified.

DETAILS

1. Persons Contacted

Niagara Mohawk Power Corporation

*R. J. Aldrich, QA Engineer
*J. J. Bebko, Project QA Engineer
*M. Brause, QA Technician
*W. M. Bryant, Manager, Quality Assurance
*L. Fenton, QA Technician
*P. Francisco, Licensing Engineer
S. H. Haybrook, Senior Site Construction Representative
C. D. Terry, Senior Site QA Representative

Stone and Webster Engineering

B. W. Gatlin, Superintendent Field QC
L. Martiniano, Senior Field Engineer

The inspector also interviewed other licensee and contractor employees during the inspection.

* denotes those present at the exit interview.

2. Plant Tour

The inspector made a tour of the site to observe conditions during shutdown of the work. Areas observed included reactor building and screen well areas; service water piping; primary containment sub-assembly area and storage of equipment in construction warehouse.

No items of noncompliance were identified.

3. PSAR Change

Nonconformance and Disposition (N&D) Report No. 0646 identified a PSAR requirement that reinforcing steel containing unacceptable inclusions be rejected but the pertinent specifications Nos. S203C and S203E have no criteria for rejection based on inclusions and no

inspections or tests for unacceptable inclusions have been performed. Disposition of this nonconformance was to accept "as is" based on lack of such requirements by any code, standard or regulatory guide; and engineering experience with such tests indicating that they were not required.

PSAR Change Notice (CN) No. 409 for revision of the PSAR requirements has been prepared but has not been approved by the licensee.

This item is unresolved pending approval or disposition of CN No. 409.(78-06-01)

4. Mechanical Equipment Installation Procedures

The inspector examined QC procedures, specifications and work procedures, as shown below, for installation, testing and inspection of safety related mechanical equipment. These procedures establish the requirements for conformance to Appendix D of the PSAR; for use of special technical personnel; and for installation and post installation performance and inspection.

- CMP (Construction Methods Procedure) No. 3.3-5.78 "Grouting of Bases and Base Plates"
- CMP 7.2 - 6.76 "Installation of Mechanical Equipment"
- CMP 7.3 - 5.76 "Equipment and System Safety Tagging"
- CMP 10.1 - 5.78 "Rigging and Equipment Maintenance"
- CMP 10.3 - 5.78 "Testing of Overhead Cranes and Monorails
- Specification No. NMP2 - P275C, Addendum D "Specification for Mechanical Equipment Erection"
- QA Inspection Plan No. N2-OP 275C-002 "Equipment Handling and Rigging"
- No. N2-OP275C-003 "Equipment Erection and Installation"
- No. N2-OP275C-004 "Mechanical Equipment Erection"
- Quality Standard CS-10.15 Change Notice No. 1 "Grouting"
- QS 10.21 dated April 15, 1975 "Erection of Steel Liners and Tanks"

- QS 10.31, Change Notice No. 1 "Mechanical Equipment Inspection
- QS 11.1, Revision A, Change Notice No. 2 "Standard Nuclear Test Program"
- Quality Assurance Directive QAD 10.2, Rev. B "Inspection of Batch Plant, Concrete, Reinforcing Steel and Grout"
- QAD 10.31 Change Notice No. 1 "Mechanical Equipment Installation"

No items of noncompliance were identified.

5. Equipment Maintenance

The inspector examined records of equipment maintenance during June and July, 1978 and discussed with the licensee representatives problems encountered in maintenance of equipment since shutdown of construction on June 20, 1978. Equipment maintenance had been performed as scheduled during June, 1978. In July rotation and lubrication of equipment had not been performed since craft personnel were on strike. The field engineer responsible for maintenance has prepared a list of equipment scheduled for rotation and lubrication during July and August, 1978. The inspector was informed that this list will be forwarded to S&W Engineering for their review and evaluation of any corrective action required.

The inspector had no further questions concerning this matter.

6. Licensee Action on Previous Inspection Findings

(Closed) Unresolved Item (78-04-01): Traceability of GE furnished equipment. Memorandum (IOC) dated July 26, 1978 provides instructions for correlation of S&W identification number, manufacturer's serial number and GE MPL number on the Material Receiving Report.

7. Review of Nonroutine Events Reported by the Licensee

a. Significant deficiency in Graver site QA program. The inspector examined Supplement to N&D No. 0516 dated May 18, 1978. This supplement provides justification for acceptance of weld repairs performed under weld procedure 47N. The inspector had no further questions concerning this matter.

b. Breakdown in Dravo shop QA program. The inspector examined N&D report No. N 9098 which showed that all welds previously PT tested which were in question had been retested by Dravo. The retests had been witnessed by S&W PQC. The inspector was informed by the licensees' representative that the "Stop Work" order had been rescinded as of May 15, 1978.

This item remains unresolved pending issue of the revised NDE instructions.

c. The licensee had reported MT indications in welds of Cadweld sleeves to Knuckle Plate Assembly (Plate B7). The inspector discussed this problem with the licensee; observed several welds which had been ground to determine depth of the indications; and examined surveillance Reports NMP #2-0337-78, NMP #2-0345-78 and NMP #2-0357-78 and Meeting Report dated July 10, 1978 which established a plan for investigation of this problem.

After discovery of the initial indications, all cadweld sleeve welds had been tested. Of a total of 1824 welds, 255 had been found to show indications.

This item is unresolved pending completion of the investigation and corrective action. (78-00-01)

8. Licensee Action on IE Bulletins and Circulars

The inspector examined records and interviewed licensee representatives to verify that corrective action had been taken with respect to IE Bulletins and circulars. For each of the Bulletins shown below the inspector verified that the identified equipment had been added to the Excluded Equipment list of the appropriate specification. In addition Trip Report dated April 14, 1978, "Circulars and Bulletins Follow-Up", confirms that when a decision not to use an item is made, Engineering verifies that the item has not been previously included in the design.

Bulletin 77-01 Closed. ITE Pneumatic Time Delay Relays, J20 T Series.

Bulletin 77-02 Closed. Westinghouse Type AR Relay with Latch Attachments.

9. Unresolved Items

Unresolved items are matters about which more information is required in order to ascertain whether they are acceptable items,

or items of noncompliance. An unresolved item disclosed during the inspection is discussed in Paragraph 3.

10. Exit Interview

At the conclusion of the inspection on July 27, 1978, a meeting was held with representatives of the licensee. The inspectors summarized the results of the inspection as described in this report.