

MEMORANDUM FOR: J. Y. Vorse, Chief Investigator

THRU: J. C. Bryant, Chief, Reactor Projects Section 2A

FROM: P. K. Van Doorn, Senior Resident Inspector, Catawba

SUBJECT: ALLEGATIONS CONCERNING QC WELDING INSPECTION AT
CATAWBA NUCLEAR STATION (Case No. 2G022)

I have performed a preliminary review of the Duke Power Company (DPC) task force effort addressing the subject concerns. It does appear that some degree of falsification of records has occurred. No significant hardware discrepancies have been identified. However, review is yet to be completed for some concerns. DPC has recognized the falsification issue (see excerpted pages 5 and 11 of DPC task force report enclosed) and has recommended training of inspectors and supervisors. DPC has also developed a technical recourse procedure.

Some harassment of inspectors by craft has apparently occurred, primarily verbal. One instance which apparently happened several years ago involved a craftsman pointing a rifle at an inspector at an off-site location. The craftsman apparently quit before he could be fired. Also it is claimed that inspectors were verbally harassed by a supervisor about coming to the NRC and that some inspectors are afraid to talk to NRC. DPC has implemented a harassment recourse procedure as recommended by the task force.

Due to the sensitivity of the concerns described generally above, I feel that RII:INV should review these concerns. I have enclosed a copy of these concerns with this memorandum. Copies of the technical evaluations for those that relate to specific hardware have also been included.

I consider that interviews will be necessary before we can close out this investigation. Interviews are necessary concerning falsification and harassment as well as some of the technical concerns. Placing persons under oath may be warranted in some instances. I can interview inspectors regarding technical issues but it may be advantageous to combine the interviewing process. Please provide guidance as to whether I should conduct interviews and if it is necessary for me to have a witness during the interview process. Interviews conducted concerning the more sensitive issues and/or those involving placing persons under oath should be under the direction of RII:INV.

I will continue my technical evaluations of the concerns but will avoid the formal interview process until directed otherwise.

Sincerely,


Peter K. Van Doorn

50-413
8308040621 830519
PDR FOIA
GARDE83-200 PDR

Yellow



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION II
101 MARIETTA ST., N.W., SUITE 3100
ATLANTA, GEORGIA 30303

FEB 14 1983

Duke Power Company
ATTN: Mr. H. B. Tucker, Vice President
Nuclear Production Department
422 South Church Street
Charlotte, NC 28242

Gentlemen:

SUBJECT: REPORT NOS. 50-413/82-33 AND 50-414/82-31

This refers to the routine safety inspection conducted by Mr. P. K. Van Doorn of this office on December 26, 1982 - January 25, 1983, of activities authorized by NRC Construction Permit Nos. CPPR-116 and CPPR-117 for the Catawba facility and to the discussion of our findings held with Mr. J. C. Rogers, Project Manager, at the conclusion of the inspection.

Areas examined during the inspection and our findings are discussed in the enclosed inspection report. 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 violations or deviations were disclosed.

We have examined actions you have taken with regard to previously identified enforcement matters. These are discussed in the enclosed inspection report.

In accordance with 10 CFR 2.790(a), a copy of this letter and the enclosure will be placed in the NRC's Public Document Room unless you notify this office, by telephone, within ten days of the date of this letter and submit written application to withhold information contained therein within thirty days of the date of this letter. Such application must be consistent with the requirements of 10 CFR 2.790(b)(1).

Should you have any questions concerning this letter, we will be glad to discuss them with you.

Sincerely,

H. C. Dance, Chief
Project Branch 2
Division of Project and
Resident Programs

Enclosure: (See page 2)

A9 ~~8303210708~~
PDR/LPDR

Duke Power Company

2

FEB 14 1983

Enclosure:

Inspection Report Nos. 50-413/82-33
and 50-414/82-31

cc w/encl:

J. W. Hampton, Station Manager
J. C. Rogers, Project Manager

DETAILS

1. Persons Contacted

Licensee Employees

- *G. W. Grier, Corporate QA Manager
- *J. C. Rogers, Project Manager
- *S. W. Dressler, Engineering Manager
- W. O. Henry, QA Manager, Technical Services
- *L. R. Davison, Project QA Manager
- *R. A. Morgan, Senior QA Engineer
- *L. E. Vincent, Office Engineer
- W. H. Bradley, QA Staff Assistant
- *C. A. Bell, QA Supervisor, Technical Services
- J. C. Shropshire, QA Supervisor
- H. L. Atkins, QA Supervisor

*Attended exit interview

2. Exit Interview

The inspection scope and findings were summarized on January 24, 1983, with those persons indicated in Paragraph 1 above.

3. Licensee Action on Previous Inspection Findings

- a. (Closed) Violation (413/82-21-02): Failure to include appropriate qualitative acceptance criteria in drawings for installation of instrumentation tubing expansion coils. The licensee has implemented appropriate clearance requirements and reworked deficient instrumentation coils. The inspector verified these actions. In addition, the inspector observed various congested areas of the Unit 1 reactor building for conformance of instrumentation loops to clearance requirements. No discrepancies were found. The licensee actions are considered satisfactory.
- b. (Closed) Violation (413/82-21-04): Insufficient documentation of QC inspection of HVAC hanger 1-H-VZ-5006. The licensee has corrected the discrepant condition, reviewed additional records and reinstructed appropriate personnel. The inspector verified these actions and considers them to be satisfactory.

4. Unresolved Items

Unresolved items were not identified during this inspection.

5. Independent Inspection Effort (Units 1 and 2)

- a. The inspector conducted general inspection of site work and work activities; observed protection and storage of mechanical equipment, electrical equipment, electrical cables, instrumentation and piping; and observed housekeeping. The inspections were performed in the auxiliary building, containment buildings, and storage areas.
- b. The inspector reviewed QA surveillance reports to assess whether or not the surveillances were thorough and appropriate corrective actions were taken. Surveillances reviewed included CEI-1(12-82), CEI-2(12-82), CEI-3(12-82), CEI-4(12-82), MWN-1(12-82), MWN-2(12-82), MWN-3(12-82), MWN-4(12-82), SH-1(12-82), SH-2(12-82), SML-245, SML-246, SML-247 and SML-248.

No violations or deviations were identified.

6. Nonconforming Item Report Review (Units 1 and 2)

The inspector reviewed numerous nonconforming item reports (NCI's) to determine if requirements were met in the areas of documentation, approvals, evaluation, justification, and corrective action.

No violations or deviations were identified.

7. Licensee Identified Item 50.55(e) (Units 1 and 2)

- a. (Closed) (CDR 413, 414/82-11): Code required reinforcing fillet weld on pipe-to-pipe nozzle welds found undersized. The final response for this item was submitted on May 27, 1982. The inspector reviewed and verified the licensee's corrective actions and considers them to be satisfactory.
- b. (Closed) (CDR 413, 414/82-15): Linear indication identified in base metal (Custom Alloy Co.). The final response for this item was submitted on December 30, 1982. The inspector reviewed and verified the licensee's corrective actions and considers them to be satisfactory.

No violations or deviations were identified.

8. Followup of IE Circular (Units 1 and 2)

The inspector verified that the licensee had reviewed and specified appropriate corrective action for IE Circular 78-04. Incorrect Fire Door Installation. This IE Circular is considered to be closed.

9. Followup of Licensee Actions Regarding Welding Inspector Concerns (Units 1 and 2)

The inspector completed the review of the licensee's corrective actions regarding welding inspector concerns. These corrective actions have resulted from a comprehensive licensee task force study of technical and non-technical concerns that had been expressed by QC welding inspectors. Inspector followup of the licensee task force action has been previously addressed in inspection report numbers 413/82-21 and 414/82-19 and, 413/82-32 and 414/82-30. In summary, the inspector concludes that the licensee task force review was complete, that appropriate actions have been taken or planned, and appropriate records of the review have been established by the licensee.

No violations or deviations were identified.

10. Safety-Related Piping (Welding) - Observation of Work and Work Activities (Unit 2)

The applicable code for installation of safety-related piping is the ASME Boiler and Pressure Vessel Code, Section III, 1974 Edition plus addenda through summer 1975. The inspector observed in process welds at various stages of completion and reviewed records for conformance to code and procedure requirements in the areas of documentation of pertinent information and QC signoffs via a weld traveler, availability of pertinent instructions, use of appropriate qualified welding procedure, provisions for weld repair provided, certification of filler material, verification of base material certification, control of welding parameters, verification of welder qualification, use of specified shielding and purge gas, condition of welding equipment, provisions for voltage and amperage checks, verification of proper fitup, control of preheat and interpass temperature, condition of weld and base metal surfaces, and verification that appropriate inspections were being performed. The following welds were observed:

<u>Weld No.*</u>	<u>Size (In. Dia.)</u>	<u>Stage of Welding Observed</u>
2CF 37-45	4	Fitup
2CF 37-50	4	Intermediate

No violations or deviations were identified.

11. Correction of Inspection Findings Tracking List

The identification numbers associated with some of the previous violations have been erroneously recorded. For record purposes the subject items noted in inspection have been corrected and are described below.

Violation 413/82-21-01 - Failure to adequately evaluate a rejectable defect identified by radiography.

Violation 413/82-21-02 - Failure to include appropriate qualitative acceptance criteria in drawings for installation of instrumentation tubing expansion coils.

Violation 413/82-21-03, 414/82-19-01 - Failure to perform adequate evaluation of nonconforming items.

Violation 413/82-21-04 - Insufficient documentation of QC inspection of HVAC hanger 1-H-VZ-5006.

Unresolved Item 413/82-21-05, 414/82-19-02 - Control of "Record Copy" construction procedures.