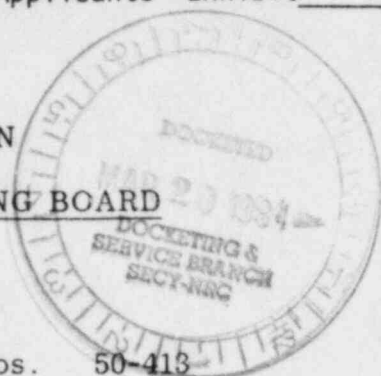


17-82
12/1/83

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

BEFORE THE ATOMIC SAFETY AND LICENSING BOARD



In the Matter of)
DUKE POWER COMPANY, et al.)
(Catawba Nuclear Station,)
Units 1 and 2))

Docket Nos. 50-413
50-414

TESTIMONY OF JOHN R. MCCOY

- 1 Q. STATE YOUR NAME AND YOUR WORK ADDRESS.
- 2 A. John R. McCoy, Catawba Nuclear Station, P.O. Box 223, Clover,
- 3 SC, 29710.
- 4 Q. WHAT IS YOUR PRESENT JOB WITH DUKE POWER COMPANY?
- 5 A. I am QA Welding Inspector, inspecting welding of all kinds,
- 6 primarily in the Auxiliary Building.
- 7 Q. SUMMARIZE YOUR EXPERIENCE AND QUALIFICATIONS, INCLUDING
- 8 OTHER NON-DUKE JOBS, EDUCATION, CERTIFICATIONS, AND
- 9 COMPANY SPONSORED COURSES AND TRAINING.
- 10 A. I have been a welder since 1970, primarily with Daniels
- 11 Construction Company. I have one year of vocational training and
- 12 one year of college.
- 13 Q. WHAT OTHER JOB POSITIONS HAVE YOU HELD WITH DUKE POWER
- 14 COMPANY?
- 15 A. I was a certified welder prior to transferring to the QC inspector
- 16 position in 1979.
- 17 Q. ARE YOU FAMILIAR WITH WHAT IS COMMONLY REFERRED TO AS
- 18 THE WELDING INSPECTOR CONCERNS WHICH WERE EXPRESSED IN
- 19 LATE 1981/EARLY 1982?
- 20 A. Yes.

1 Q. WHAT IS YOUR UNDERSTANDING OF WHAT THESE CONCERNS
2 WERE?

3 A. The welding inspectors as individuals had some concerns that the
4 Construction and QA Procedures from time to time were not being
5 followed as outlined and they got together and submitted these
6 feelings.

7 Q. DID YOU EXPRESS ANY CONCERNS AS A WELDING INSPECTOR TO
8 ANY OF THE TASK FORCES OR TO DUKE POWER MANAGEMENT?

9 A. Yes.

10 Q. TO WHOM DID YOU EXPRESS YOUR CONCERNS?

11 A. I talked to Task Force I, the Technical Task Force, the
12 Non-Technical Task Force, Lew Zwissler, and Warren Owen.

13 Q. WERE YOUR CONCERNS WRITTEN?

14 A. Yes.

15 Q. DESCRIBE EACH DOCUMENT WHICH CONTAINS YOUR EXPRESSION
16 OF CONCERNS, AND INDICATE WHO IT WAS SUBMITTED TO.

17 A. I submitted the handwritten statement, which is attached to my
18 testimony as Attachment A, to my supervisor.

19 Q. DID YOU FEEL FREE TO EXPRESS ALL OF YOUR CONCERNS?

20 A. Yes.

21 Q. DID YOU EXPRESS ALL OF YOUR CONCERNS?

22 A. Yes.

23 Q. DOES THIS DOCUMENT ATTACHED TO YOUR TESTIMONY REFLECT
24 ALL OF YOUR WRITTEN CONCERNS?

25 A. Yes.

26 Q. ARE ALL OF YOUR CONCERNS INCLUDED IN THIS DOCUMENT?

27 A. Yes.

1 Q. PLEASE SUMMARIZE AND EXPLAIN WHAT YOU WERE TRYING TO
2 COMMUNICATE BY YOUR CONCERNS.

3 A. As I stated in the concerns I submitted, the biggest concern that I
4 had as far as not being supported in implementing the QA Program
5 is the fact that at times resolutions and general gray areas seem to
6 be watered down in order for craft to meet scheduling dead lines.
7 A lot of these occasions have been exactly opposite of procedure
8 requirements, yet the problems being brought up were to be
9 ignored, because at that point it seemed that quality didn't matter,
10 only dead lines mattered.

11 Q. EXPLAIN WHAT YOU MEANT WHEN YOU SAID IN YOUR CONCERNS
12 THAT RESOLUTIONS TO NCI'S SEEM TO BE WATERED DOWN IN
13 ORDER FOR CRAFT TO MEET SCHEDULING DEADLINES.

14 A. Normally craft would strive to meet the more stringent Duke
15 procedures, but if this was not possible and in most cases this
16 would only happen when trying to meet a schedule dead line, that
17 work which didn't meet Duke's procedural requirements would be
18 approved because it still meet ASME, AWS, or ANSI codes.

19 Q. DO YOU BELIEVE THAT THE VARIATIONS FROM PROCEDURES
20 RESULTED IN ANY UNACCEPTABLE OR POOR WORKMANSHIP
21 BEING APPROVED?

22 A. No.

23 Q. DID YOU APPROVE ANY WORK AS A RESULT OF PRESSURE TO
24 MEET CRAFT DEADLINE THAT WAS UNACCEPTABLE OR OF POOR
25 QUALITY?

26 A. No.

27 Q. WERE YOUR CONCERNS INVESTIGATED BY THE TASK FORCES?

28 A. Yes.

1 Q. DID YOU ATTEND ANY MEETINGS WITH TASK FORCE AND/OR QA
2 MANAGEMENT MEMBERS WHERE THE TASK FORCE FINDINGS,
3 CONCLUSIONS AND RECOMMENDATIONS WERE DISCUSSED?

4 A. I met with a group from the Technical Task Force and my particular
5 concern was discussed.

6 Q. WERE THERE ANY CHANGES MADE IN THE QA PROGRAM AFTER
7 THE WELDING INSPECTOR CONCERNS AND THE TASK FORCE
8 INVESTIGATION OF THESE CONCERNS?

9 A. There was a change in the inspection criteria between the time the
10 incident occurred and the time the concern was submitted.

11 Q. DESCRIBE THE CHANGES OF WHICH YOU ARE AWARE IN THE QA
12 PROGRAM.

13 A. We (inspectors) are now not required to check mismatch in repair
14 cavities as before.

15 Q. TO WHAT EXTENT HAVE THESE CHANGES ADDRESSED ISSUES
16 RAISED BY THE WELDING INSPECTOR CONCERNS; AND TO WHAT
17 EXTENT HAVE THESE CHANGES ADDRESSED YOUR PARTICULAR
18 CONCERNS?

19 A. These changes eliminate my concern because we are no longer
20 required to check the area of concern.

21 Q. THE WELDING INSPECTOR CONCERNS HAVE BEEN
22 CHARACTERIZED AS CONCERNS ABOUT THE QUALITY AND
23 SAFETY OF CONSTRUCTION AT CATAWBA. DO YOU AGREE OR
24 DISAGREE WITH THAT CHARACTERIZATION?

1 A. I do not agree with that characterization. The inspectors had a set
2 of procedures to inspect by. We saw the procedures as setting the
3 line that established what was acceptable and what was unacceptable
4 from a quality standpoint. We identified problems that did not meet
5 the Duke procedures and guidelines, but were told that there was
6 no problem because the Duke procedures had been set above the
7 acceptable codes for quality. This had not been communicated to
8 the welding inspectors.

9 Q. DID THE EXPRESSION OF YOUR CONCERNS INDICATE YOUR
10 BELIEF THAT THERE WAS A BREAKDOWN IN THE QA PROGRAM
11 OR INDICATE THAT THE QA PROGRAM WAS NO LONGER
12 WORKING? EXPLAIN.

13 A. Yes, in certain areas. I think there was a breakdown in
14 communications, but the QA Program was working. These concerns
15 arose because we as inspectors were not told that in some areas the
16 Construction and QA Procedures were written above ASME and
17 other welding codes and there was a communications breakdown in
18 the QA Department.

19 Q. DID YOUR CONCERNS REFLECT A BELIEF ON YOUR PART THAT
20 THE CATAWBA PROJECT IS NOT BEING CONSTRUCTED SAFELY?

21 A. No.

22 Q. IN YOUR VIEW, HAS THE QA PROGRAM BEEN EFFECTIVE WHILE
23 YOU HAVE WORKED AS AN INSPECTOR AT CATAWBA?

24 A. Yes.

25 Q. ARE YOU AWARE OF ANY DEFICIENCIES IN CONSTRUCTION OR IN
26 THE QA PROGRAM WHICH WOULD CAUSE YOU TO QUESTION
27 WHETHER CATAWBA IS SAFELY BUILT?

28 A. No.

1 Q. IS THERE ANYTHING ELSE YOU WOULD LIKE TO ADD TO YOUR
2 TESTIMONY?

3 A. In my opinion this plant is probably the best built of any nuclear
4 plant Duke or anyone else is building.

5

6

7

8 I hereby certify that I have read and understand this document, and
9 believe it to be my true, accurate and complete testimony.

10

11

12

13

John R. McCoy
John R. McCoy

14

15

16 Sworn to and subscribed before me
17 this 13th day of September, 1983.

18

19

20

21

Sperrin A. Williams
Notary Public

22

23

Commission Expires March 7, 1993

(A)

THE BIGGEST CONCERN THAT I HAVE AS FAR AS NOT BEING SUPPORTED IN IMPLEMENTING THE QA PROGRAM IS THE FACT THAT AT TIMES RESOLUTIONS AND GENERAL GRAY AREAS HAVE BEEN WATERED DOWN IN ORDER FOR CRAFT TO MEET SCHEDULING DEAD LINES. A LOT OF THESE OCCASIONS HAVE BEEN EXACTLY OPPOSITE OF PROCEDURE REQUIREMENTS, YET THE PROBLEMS BEING BROUGHT UP WERE TO BE IGNORED, BECAUSE AT THIS POINT QUALITY DIDN'T MATTER ONLY DEAD LINES.

SOME EXAMPLES OF THESE PROBLEMS EXIST ON THE ENTIRE FW SYSTEM IN THE AUXILIARY BUILDING ON THE NUMBER ONE SIDE.

(2)

A NUMBER OF THESE WELDS HAD TO BE RE-INSPECTED BECAUSE OF AN NCI CONCERNING VIEWING PORTS. UP UNTIL THIS TIME WE (Q.C. INSPECTORS IN THIS AREA) ~~WE~~ DID NOT HAVE ANY MAJOR PROBLEM ASSURING THAT THE WELDING PROCEDURES AND GUIDELINES OF THE F.W.D.S.'S WERE FOLLOWED.

(1)

ON ONE PARTICULAR WELD REPAIR THE MISMATCH WAS $> \frac{1}{8}$ ". ON PREVIOUS OCCASIONS WHERE THE JOINT MISALIGNMENT WAS NOT IN ACCORDANCE WITH THE F.W.D.S. THE WELDERS AND/OR FITTERS WOULD WORK WITH THE PROBLEM UNTIL IT MET THE REQUIREMENTS OF THE F.W.D.S. BUT ON THIS OCCASSION, BECAUSE THE WELDING CRAFT WAS ISSUED A SHUTDOWN TO DO THIS AND THEY WEREN'T GOING TO MEET THE DEADLINE, WE WERE TOLD THAT MISALIGNMENT

WAS OF NO CONCERN ON WELD REPAIRS. ANYONE KNOWS THAT THE ALIGNMENT OF THE JOINT IS ESSENTIAL TO MAKING A QUALITY WELD.

ALSO ON ALL OF THESE WELD REPAIRS ON THIS FW SYSTEM M-24 (INTERNAL CLEANLINESS) REQUIREMENTS WERE WAIVED WITH AN F-9B. THIS BLUNDER MADE IT ALMOST IMPOSSIBLE TO MAKE THESE REPAIRS BECAUSE THE SYSTEM STILL CONTAINED WATER (WHICH PREVENTED A COMPLETE PURGE ON THIS S.S. SYSTEM), ALSO THE GRINDING DUST & TRASH WAS STILL PRESENT.

IN EFFECT WHEN WE CHECKED THESE REPAIR FOR WELDING ALL WE WERE LOOKING FOR WAS TO SEE IF THEY HAD GROUND A HOLE IN THE LINE TO WELD - UP.

(b)

WE ARE NEVER SUPPORTED IN OUR DAILEY ROUTINE INSPECTIONS. WHEN WE MAKE MISTAKES WE ARE READILY BLAMED AND CORRECTED. YET WHEN PROCEDURES AND SPECS. ARE VIOLATED THE RULES ARE BENT TO MATCH.

John R. Mcloy

NUCLEAR REGULATORY COMMISSION
Project No. 50-413
In the Matter of Catawba
Staff ✓
App's ✓
Comments ✓
Records ✓
Records ✓
Other ✓
Date 12/1/83
Signature Mary Simons