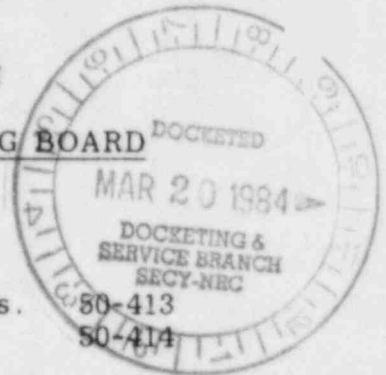


A-71
12/1/83

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 TOMMY BUMGARDNER

1 Q. STATE YOUR NAME AND YOUR WORK ADDRESS.

2 A. Tommy Bumgardner, Catawba Nuclear Project, P.O. Box 223,
3 Clover, SC 29710.

4 Q. WHAT IS YOUR PRESENT JOB WITH DUKE POWER COMPANY?

5 A. QA Welding Inspector Level II, Liquid Penetrant Inspector Level II,
6 Magnetic Particle Inspector Level I. My job is to make sure that
7 craft fits and welds to Duke's procedures.

8 Q. SUMMARIZE YOUR EXPERIENCE AND QUALIFICATIONS, INCLUDING
9 OTHER DUKE AND NON-DUKE JOBS, EDUCATION,
10 CERTIFICATIONS, AND COMPANY SPONSORED COURSES AND
11 TRAINING.

12 A. Graduated from Kings Mountain High in 1969, then took welding at
13 Gaston College in 1969. Took a job with Lithium Corporation in
14 1970 as a welder. Then in February, 1977 was hired by Duke
15 Power as a welder. Transferred to Welding Inspection in June,
16 1978. I was trained in school by Duke Power Procedures for 3
17 weeks and spent 90 days as a learner, then advanced to inspector
18 after 90 days trial. Advanced to Inspector A on February 4, 1980.

1 Q. ARE YOU FAMILIAR WITH WHAT IS COMMONLY REFERRED TO AS
2 THE WELDING INSPECTOR CONCERNS WHICH WERE EXPRESSED IN
3 LATE 1981/EARLY 1982?

4 A. Yes.

5 Q. WHAT IS YOUR UNDERSTANDING OF WHAT THESE CONCERNS
6 WERE?

7 A. There were basically two concerns. The first involved problems
8 that had been found with materials identification, fabrication and
9 welding, and had been recorded on NCIs. I did not believe that
10 the problems which were found were being investigated like they
11 were supposed to have been. There was a lack of communication
12 between inspectors and higher management on the way the
13 inspectors were interpreting procedures. Second, when problems
14 were found, higher management would not back us up on the
15 problem. When we were in welding inspection school, we were
16 taught that the procedures were the way craft would have to
17 construct the plant, and we were to go right by the procedures.

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

20 A. Yes.

21 Q. TO WHOM DID YOU EXPRESS YOUR CONCERNS?

22 A. My written concerns were turned in to QA supervisor, S. W.
23 Ledford, and on to higher management. I talked with the Task
24 Force.

25 Q. WERE YOUR CONCERNS WRITTEN?

26 A. Yes.

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

1 A. Pay rate concerns submitted to S. W. Ledford, QA supervisor, and
2 on up to higher management. Technical concerns submitted to S.
3 W. Ledford, QA supervisor, and on up to higher management.
4 Q. DID YOU FEEL FREE TO EXPRESS ALL OF YOUR CONCERNS?
5 A. Yes.
6 Q. DID YOU EXPRESS ALL OF YOUR CONCERNS?
7 A. Yes.
8 Q. DOES THE DOCUMENT ATTACHED TO YOUR TESTIMONY AS
9 ATTACHMENT A REFLECT YOUR WRITTEN CONCERNS?
10 A. Yes, Attachment A is the letter I submitted to S. W. Ledford
11 regarding my technical concerns.
12 Q. ARE ALL OF YOUR CONCERNS INCLUDED IN THIS DOCUMENT?
13 A. Yes.
14 Q. PLEASE SUMMARIZE AND EXPLAIN WHAT YOU WERE TRYING TO
15 COMMUNICATE BY YOUR CONCERNS.
16 A. I was trying to get a better relationship between inspectors and
17 higher management in QA on problems found in the field. All I was
18 wanting was to get them to investigate problems more thoroughly.
19 Q. WERE YOUR CONCERNS INVESTIGATED BY THE TASK FORCES?
20 A. Yes.
21 Q. DID YOU ATTEND ANY MEETINGS WITH TASK FORCE AND/OR QA
22 MANAGEMENT MEMBERS WHERE THE TASK FORCE FINDINGS,
23 CONCLUSIONS AND RECOMMENDATIONS WERE DISCUSSED?
24 A. Yes. My concerns were read to me by Task Force members, and
25 they investigated the problems and returned a answer for each
26 question that was asked and I believe that the answers were
27 suitable.

1 Q. WERE THERE ANY CHANGES MADE IN THE QA PROGRAM AFTER
2 THE WELDING INSPECTOR CONCERNS AND THE TASK FORCE
3 INVESTIGATION OF THESE CONCERNS?

4 A. Yes.

5 Q. DESCRIBE THE CHANGES OF WHICH YOU ARE AWARE IN THE QA
6 PROGRAM.

7 A. There has been greater understanding between inspectors and
8 higher QA management. Problems are investigated more thoroughly.
9 More procedures have been written to cover problems and
10 investigate the problems more thoroughly. With regard to past
11 problems I had identified and felt were not thoroughly investigated,
12 the investigation process was explained to me. I believe that if the
13 investigations were conducted as explained, and I have no reason to
14 believe they were not, these concerns were also resolved.

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. The QA Department used to be separated from welding inspectors.
20 Now welding inspectors are a part of QA, and the problems are
21 investigated thoroughly. We are working like a group now.

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

26 A. I disagree. I feel to the best of my ability that this plant is
27 constructed in a safe manner.

1 Q. DID THE EXPRESSION OF YOUR CONCERNS INDICATE YOUR
2 BELIEF THAT THERE WAS A BREAKDOWN IN THE QA PROGRAM
3 OR INDICATE THAT THE QA PROGRAM WAS NO LONGER
4 WORKING?

5 A. I felt there were problems with the QA program, but not so as to
6 affect safety of the plant. The Program was designed to work but
7 there was a lack of communication between inspectors and higher
8 management. We were taught to go by the book, but when
9 problems arose, we would be overridden because of different
10 interpretations and other investigations. We appeared to have no
11 support from management at times.

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

14 A. No.

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

17 A. Yes.

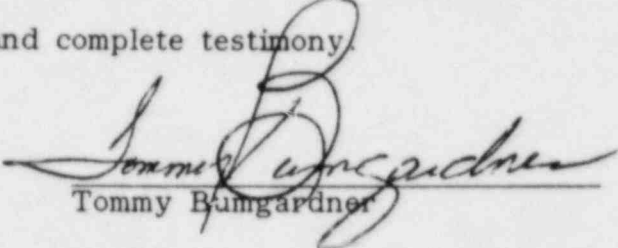
18 Q. ARE YOU AWARE OF ANY DEFICIENCIES IN CONSTRUCTION OR IN
19 THE QA PROGRAM WHICH WOULD CAUSE YOU TO QUESTION
20 WHETHER CATAWBA IS SAFELY BUILT?

21 A. No.

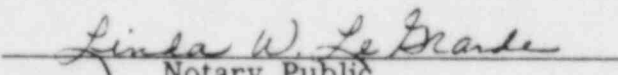
22 Q. IS THERE ANYTHING ELSE YOU WOULD LIKE TO ADD TO YOUR
23 TESTIMONY?

24 A. I believe that everything that has been inspected by me is right to
25 the best of my ability. I feel that Duke Power has designed and
26 built this job in an extremely safe manner.

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

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8

Tommy Bumgardner

9 Sworn to and subscribed before me
10 this 20th day of September, 1983.

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Notary Public

16 Commission Expires March 7, 1993

- ① NCI 6259 was written on piping traceability in which heat number written on pipe was not RPMC. Tech Support performed the resolution in which the correct heat number to be marked on the pipe.
- ② NCI 6047, This NCI was written due to no price number being marked on pipe. The RPMC called for a price number, but resolution said records show the number and it to be put on the pipe. This had already been ok'd by shipping, and warehouse #7 ~~from~~ before being sent to fab shop for construction. Procedure's H-4, M-4, & S call for all materials to have the correct markings on the materials before being fit. There was a time when the warehouse had a work stoppage written on it because of these matters. Tech support does not take the time to examine these problems before making a resolution. There have been times in which they didn't even come out to where the problem was, but instead they went ahead and ~~made~~ made the decision for the NCI.
- ③ There was a problem when I was working in Turbine Bldg. #2. in which a fitter want to cut out a joint in which I had already signed off on the paperwork. He was told to get out out on this prior to beginning work. I was called back for final weld on joint, and I discuss that fitter had taken ~~to~~ white ink and marked (over)

my initials out. I took the paperwork to my foreman in which C.R. Baldwin was then too about the problem. I explained it to them both about what had happened. Baldwin said that since this was ~~CP49~~ CP49 paperwork, safely related that for me not to worry about it, and to go ahead and sign it off.

- ~~There have been NCI's written on wrong heat numbers~~
- (2) There have been NCI's written on wrong heat numbers in which resolution states that the correct heat number be written on it, even though there is no other heat number markings on it. How can they justify these markings?
- (3) I wrote a NCI on a fitter in Pipefit shop about leaving off backing ring heat number off of M4A. It was taken to L.R. Harrison for signing and he told me, that if I had anymore problems like these for me not to write it, but to contact him and he would take care of it. M4 states that all material ~~and~~ identification to be ~~be~~ marked on paperwork prior to contacting inspector in which this was not done.

T.B. Bumgardner
1-19-82

RECEIVED FROM AGENCY

Product No. 50-1413 71
By the holder of Citizens ✓
Serial ✓ ✓
Approved ✓ ✓
Signature ✓
Date 12/1/83
Official ✓
Name mary domene