

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 LINDSAY H. HARRIS, JR.

1 Q. STATE YOUR NAME AND YOUR WORK ADDRESS.

2 A. Lindsay Harvey Harris, Jr., Catawba Nuclear Station, P.O. Box  
3 223, Clover, SC, 29710.

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

5 A. I am a QA Welding Inspector in the Unit 1 Reactor Building.

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

9 A. I worked for Daniels Construction as a Boilermaker. I was a  
10 Certified Tub Welder and Heavy Wall Hot Welder.

11 I have attended Heliarc Welding School, Welding Inspection School,  
12 NDE School, and a Health Physics Training Program while employed  
13 by Duke. I graduated from Rock Hill High School and attended  
14 Gaston College and Spartanburg Jr. College.

15 Q. WHAT OTHER JOB POSITIONS HAVE YOU HELD WITH DUKE POWER  
16 COMPANY?

17 A. I was a welder before becoming an inspector.

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. My understanding is that many inspectors were dissatisfied with the  
8 answers they received to questions they asked about NCI's.  
9 Q. DID YOU EXPRESS ANY CONCERNS AS A WELDING INSPECTOR TO  
10 ANY OF THE TASK FORCES OR TO DUKE POWER MANAGEMENT?  
11 A. Yes.  
12 Q. TO WHOM DID YOU EXPRESS YOUR CONCERNS?  
13 A. I remember talking to Larry Coggins and Gail Addis. I do not  
14 remember who else I talked to.  
15 Q. WERE YOUR CONCERNS WRITTEN?  
16 A. Yes.  
17 Q. DESCRIBE EACH DOCUMENT WHICH CONTAINS YOUR EXPRESSION  
18 OF CONCERNS, AND INDICATE WHO IT WAS SUBMITTED TO.  
19 A. A written statement of my concerns was turned in to my supervisor  
20 and then given to the Task Force. I have attached a copy of this  
21 statement to my testimony as Attachment A.  
22 Q. DID YOU FEEL FREE TO EXPRESS ALL OF YOUR CONCERNS?  
23 A. Yes.  
24 Q. DID YOU EXPRESS ALL OF YOUR CONCERNS?  
25 A. Yes.

1 Q. DOES THE DOCUMENT ATTACHED TO YOUR TESTIMONY AS  
2 ATTACHMENT A REFLECT ALL OF YOUR WRITTEN CONCERNS?  
3 A. Yes.  
4 Q. ARE ALL OF YOUR CONCERNS INCLUDED IN THIS DOCUMENT?  
5 A. Yes.  
6 Q. PLEASE SUMMARIZE AND EXPLAIN WHAT YOU WERE TRYING TO  
7 COMMUNICATE BY YOUR CONCERNS.  
8 A. My concerns were brought to the attention of Duke supervision to  
9 try to get more support in making our jobs as Welding Inspectors  
10 more efficient, precise, and thorough.  
11 Q. WERE YOUR CONCERNS INVESTIGATED BY THE TASK FORCES?  
12 A. Yes.  
13 Q. DID YOU ATTEND ANY MEETINGS WITH TASK FORCE AND/OR QA  
14 MANAGEMENT MEMBERS WHERE THE TASK FORCE FINDINGS,  
15 CONCLUSIONS AND RECOMMENDATIONS WERE DISCUSSED?  
16 A. Yes, I think that the concerns were thoroughly investigated and  
17 were properly handled and taken care of.  
18 Q. WERE THERE ANY CHANGES MADE IN THE QA PROGRAM AFTER  
19 THE WELDING INSPECTOR CONCERNS AND THE TASK FORCE  
20 INVESTIGATION OF THESE CONCERNS?  
21 A. Yes.  
22 Q. DESCRIBE THE CHANGES OF WHICH YOU ARE AWARE IN THE QA  
23 PROGRAM.  
24 A. The major change I am aware of is the Employee Recourse Program.

1 Q. THE WELDING INSPECTOR CONCERNS HAVE BEEN  
2 CHARACTERIZED AS CONCERNS ABOUT THE QUALITY AND  
3 SAFETY OF CONSTRUCTION AT CATAWBA. DO YOU AGREE OR  
4 DISAGREE WITH THAT CHARACTERIZATION?

5 A. I disagree. I think the quality and safety of the plant at Catawba  
6 is sound.

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

11 A. No. A breakdown in the QA Program never existed at Catawba.  
12 My concerns were brought to the company's attention to help the  
13 QA Program be more efficient and thorough.

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

16 A. No.

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

19 A. Yes.

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

23 A. No.

24 Q. IS THERE ANYTHING ELSE YOU WOULD LIKE TO ADD TO YOUR  
25 TESTIMONY?

1 A. Yes. I would like to say that the QA program has always been  
2 effective at Catawba Nuclear and this plant is one of the safest  
3 being built by Duke Power Company.

4 Duke Power Company has some of the best craftsmen I have  
5 ever worked with. I have been working construction since 1971  
6 and have worked around a lot of professional craftsmen in all fields  
7 and crafts. To the best of my knowledge, the plant at Catawba  
8 has been built by the guidelines required by the Duke Power QA  
9 department and quality has been in every job completed.

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

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Lindsay H. Harris, Jr.  
Lindsay H. Harris, Jr.

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21 Sworn to and subscribed before me  
22 this 13th day of September, 1983.

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Sherrill Williams  
Notary Public

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28 Commission Expires March 7, 1993



To whom it may concern:

My main concern with problems at Catawba are mostly covered in NCI's form QIA I have written. Some of these problems have been properly evaluated by procedures used by Duke Power Company. Also some resolutions of these NCI's are written with Craft Personnel saying that they followed the correct steps. Although it is the Welding Inspector that is checking and signing the materials and paperwork are followed correctly by procedure. If procedures and process control are used correctly the Welding Inspector would not write NCI's.

As my job requires me to follow procedures and instructions from my supervisors, I have been threatened for following <sup>(them)</sup> requirements.

(A) This was brought to the attention of my supervisor and also his supervisor. It was the third time before Craft supervision heard of the instances. On the second time I had a problem, my supervisor told me to handle this situation and try to work the problems out and if any more instances came up there would be immediate action taken. Another problem arose but no action was taken. Support is needed in the QA Department at

(B) Catawba if procedures are going to be followed without being Construction minded.

- ②
- ① On inspection of these 500 lb frame in RB #2, problems were brought to the attention of supervision on numerous occasions. This frame was checked by at least a Welding Inspector. The welds were not uniform and had many defects. A few welds were checked over 20 times but when craft began being rushed to complete by supervision, we began getting pressured to sign the work off.

- ①
- ② M & I inspections are being made with uncontrolled copies of Isometric Drawings. If these drawings are uncontrolled, how can the M & I be valid?

- ③
- ③ On inspection of 8 separate M-18's, there were about 15 welds not completed on 1 M-18. I had requested all of these areas, although 1 M-18 was not complete because of the 15 or so welds. During the time of checking these M-18's, there was a rush to complete these areas. I was told by my supervisor to check to see if the welds had been completed at different times. Every time I went to check, the craft had not completed the work. In the meantime I was out sick with the flu for 5 days. When I returned to work I had a note in my box to check with Civil and sign the M-18's off. This note gave me the impression the work was completed while I was out sick. When I went to check with Civil, I found that the Civil Inspector was out sick with the flu. The inspector that was taking over for him gave me the M-18's and I signed them complete. I later went to the area of the

M-18's and the craft were working in the same area of the M-18A's signed off. I brought this to the attention of my supervisor that they were welding in the area where the M-18's were signed off. He told me they were probably working on something new. The next week the welding craft began work on the welds that were not complete. The inspector in the area knew I had completed the M-18A's and it was brought to the attention of our supervisor. I was given an A Violation for signing the work off that was not complete. (falsifying documents) My supervisor tried to explain the problem but he did not get any support from his Supervisor. This kind of support has been long needed from our Supervisor to give the Welding Inspectors complete confidence. There is not a Welding Inspector on the Catawba Project that is not willingly and ready to explain any problem or problems he or the QA Department has. The Welding Inspectors are confident and truthful in every job we hold.

Thanks for your Time;  
Lindsay Harvey Harris Jr.  
Welding Inspector QA



NUCLEAR REGISTRY COMMISSION

Order No. 50-413 CH 195-4, No. 67  
 In the matter of Catawba  
 Status IDENTIFIED ☒  
 Application ☒ RECEIVED ☒  
 Information REJECTED  
 Cont. p. Off's \_\_\_\_\_  
 Cont. p. On \_\_\_\_\_  
 DATE 12/1/83  
 Other \_\_\_\_\_  
 Reporter Mary Sumner