



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

REGION II  
101 MARIETTA ST., N.W., SUITE 3100  
ATLANTA, GEORGIA 30303

OCT 18 1979

SSINS 50-400  
50-401  
50-402  
50-403

MEMORANDUM FOR: Investigative Staff

THRU: *CM* Charles E. Murphy, Chief  
Reactor Construction & Engineering Support Branch

*JB* Jack C. Bryant, Chief  
Project Section No. 2  
Reactor Construction & Engineering Support Branch

*TE* Thomas E. Conlon, Chief  
Engineering Support Section No. 1  
Reactor Construction & Engineering Support Branch

FROM: John R. Harris, Civil Engineer/Geologist  
Engineering Support Section No. 1  
Reactor Construction & Engineering Support Branch

SUBJECT: ALLEGATION RECEIVED AT SHEARON HARRIS NUCLEAR POWER PLANT,  
CASE FILE II-D71

This memorandum documents a follow-up investigation of an allegation regarding handling of construction deficiencies in concrete operations at the Shearon Harris Nuclear Power Plant. The allegation was first investigated during a routine inspection conducted between August 21 to 24, 1979. Results of that investigation appear in a memorandum dated September 22, 1979, from J. R. Harris to C. Alderson. The follow-up investigation was conducted as part of a routine inspection between September 18-21, 1979.

The alleged is

He is responsible for performing

The alleged stated that not all of the construction deficiencies in concrete operations which are reported on field inspection reports are being reported and treated as nonconformance reports (NCR's). He further stated that some of the deficiencies are repetitive and management does not appear to be taking responsible corrective action. His main areas of concern are: vibration, curing and vertical discharge of concrete when using the creeper crane to place concrete. The alleged also stated that during a surveillance check of curing operations, on *10/18/79* he noted that required entries for midnight, 2 a.m., and 4 a.m. were not made by the inspecting craftsman. During a follow-up inspection at a later date, he noted that the missing data had been filled in.

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As a result of the investigation conducted during August 21-24, 1979, the inspector identified to the licensee a noncompliance in concrete curing and an unresolved item in processing and review of nonconformance reports. During the follow-up investigation conducted between September 18-21, 1979, the unresolved item was upgraded to a noncompliance. See IE Report Numbers 50-400, 401/79-20, 50-402, 403/79-19. Investigation of the item regarding an apparent falsification of data on curing reports by the responsible craftsman disclosed that the data had been transcribed from rough notes. The licensee has revised reporting methods to prevent any future confusion on this item. The licensee has increased the inspection staff to improve curing controls. Special training sessions have been instituted to improve concrete operations. Trend analysis on construction deficiencies and concerns reported by QA-QC inspectors are now being submitted to management for review.

The inspection scope and findings were summarized on September 21, 1979, (see IE Report Numbers 50-400/79-20, 50-401/79-20, 50-402/79-19 and 50-403/79-19). The licensee acknowledged the upgrading of the unresolved item to a noncompliance and described the above corrective actions being taken regarding this item.

Following the inspection, the NRC inspector called the allegor at his residence, notified him of the NRC inspector's findings and thanked him for expressing his concerns to the NRC. The inspector stated that the NRC would continue to examine management's control of concrete operations in future inspections.

*J E Gordon for*

John R. Harris, Civil Engineer/Geologist  
Engineering Support Section No. 1  
Reactor Construction & Engineering  
Support Branch

CHRONOLOGICAL RECORD OF INQUIRY OR INVESTIGATION

CASE NO.: II - C46

OPENED: 9/12/78

CLOSED: 9/28/78

SUBJECT: ALLEGED CONSTRUCTION DEFICIENCIES - SHEARON HARNIS

DATE	TIME	ACTIVITY
9/12/78	11:20am	TC - Allegor contacted R:II - see phone log.
9/16/78	8:48 p.m.	TC - contacted allegor to make appointment for interview - see phone log.
9/19/78	8:15 p.m.	II - Conducted interview with allegor. W. Swan and R. Bradley were present. Contact sheet.
9/22/78	8:55am	TC + R. Bradley called from site. All issues are resolved.
10/2/78	—	L - Final letter to allegor.
10/23/78	—	M - MEMO FROM BRADLEY TO ANAST
10/26/78	—	INSPECTION REPORT - BRADLEY

ACTIVITY CODES:

TC = Telephone call  
L/M = Letter or Memo  
MTG = Meeting

II = Investigative Interview  
SI = Special Inspection  
RI = Routine Inspection

71

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