

Docket Nos.: 50-390
and 50-391

3 SEP 1986

MEMORANDUM FOR: B. J. Youngblood, Director
PWR Project Directorate #4
Division of PWR Licensing-A, NRR

FROM: Thomas W. Alexion, Project Manager
PWR Project Directorate #4
Division of PWR Licensing-A, NRR

SUBJECT: FORTHCOMING MEETING WITH TVA

DATE & TIME: September 9-10, 1986
9:00 a.m. - 5:00 p.m.

LOCATION: Watts Bar Site

PURPOSE: Second Watts Bar site visit regarding cable pulling
and bend radii. Agenda attached.

PARTICIPANTS: NRC TVA
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AGENDA FOR SECOND WATTS BAR SITE
VISIT REGARDING CABLE PULLING
AND BEND RADII

1. Discussion of Cable Pulling and Installation
Techniques (Past and Present)

A free form discussion focusing on cable pulling techniques actually used and bend radii concerns. Electricians and construction supervisors responsible for performing and directing cable installation during the period when the bulk of the cable was installed should be present.

2. Inspection of Cable Installations

The conduits shown in the attached list will be evaluated. The condition of the cable as observable from pull boxes and terminations will be determined. Note: Cables that were inspected during the site visit of 7/18/86 need not be reinspected. However, a second inspection of Manhole No. 22 is desired as is an inspection of the manhole adjacent to No. 22.

TVA Cable Program
Candidates for Cable Inspection/Watts Bar

<u>FRC No.</u>	<u>Conduit No.</u>	<u>Description/Items of Interest</u>
1	1PP2188A	8 kV 3 cables #2/0
2	1PP2189B	8 kV 3 cables #2/0
9	1B1054G	600V 8 cables #8 1/C
10	1M3380A	600V 3 cables 16/C #12, 7/C #10, 9/C #12
15	1PLC2810B	600V 3 cables 400 MCM
16	1PLC2940A	600V 3 cables 400 MCM
20	1VC582A	600V 3 cables 9/C #14
25	1PLC62E	1 cable, instrument
28	1G1525B	600V 4 cables
28A	1G1524A	600V 5 cables
37	2PLC2763A	600V 3 cables 400 MCM
42	2PM7401A	29 cables
43	2PM7400B	26 cables
57	2PM6444E	8 cables
64	2M2987B	20 cables
66	2PLC215B	19 cables
67	2NM-3256E	28 cables
69	2VC-2069-B	3 cables 600V 2/C #12, 4/C #12, 12/C #12
70	2VC2577A	8 cables 600V
71	2PM7872F	1 instrument cable
75	2RM43BA	2 cables
79	RM609B	10 cables

Also Revisit:

- manhole 22 & adjacent manhole

ADDITIONAL QUESTIONS FOR WATTS BAR
RELATING TO FINAL TRAINING BEND RADII
FOR SHIELDED POWER CABLE

Appendix C of WBN Quality Control Instruction QCI-3.05, R10 contains a table of minimum training radii limits for shielded power cables (V5 level, Table 2 from DS-E12.1.5).

For each of the cable manufacturers listed in the table, provide the correspondence from TVA requesting relief from the minimum bend radius recommendation of ICEA and the manufacturers' responses to the request.

MEETING NOTICE DISTRIBUTION

Docket File

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L PDR

NSIC

PRC System

PWR#4 Reading File

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bcc: Licensee/Applicant & Service List