



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20556

50-338P
NRC PDR

DEC 12 1978

Docket No. 50-338

APPLICANT: Virginia Electric and Power Company

FACILITY: North Anna Unit 1

SUBJECT: SUMMARY OF MEETING HELD ON DECEMBER 5, 1978 TO DISCUSS MATTERS
RELATED TO THE SETTLEMENT OF CATEGORY I STRUCTURES AT NORTH
ANNA POWER STATION, UNIT 1

A meeting to discuss matters related to the settlement of Category I structures at North Anna Power Station, Unit 1 was held in Bethesda, Maryland on December 5, 1978, with representatives of the Virginia Electric Power Company and Stone and Webster Engineering Corporation. A list of attendees is included in the Enclosure to this summary.

Background

In a letter dated November 22, 1978, VEPCO indicated that they have experienced difficulties in completing the surveillance requirements of North Anna Unit 1 Technical Specification 4.7.12.1 due to inconsistencies between the surveillance requirements and the basis for requirements, typographical errors in Technical Specification Table 3.7-5 and deficiencies in the survey monitoring program.

Purpose of Meeting

The purpose of the meeting was to discuss the significance of their letter as it relates to (1) the entire settlement monitoring program and (2) how the information in their letter affects our evaluation of their request to increase the maximum allowable settlement limit of the service water pumphouse.

Summary

The applicant advised us that the chronological bases provided in the technical specifications for various settlement points were not correct. They stated that the basis in the technical specifications implies that total and differential settlements should be based on May 1976 values. However, Technical Specification Table 3.7-5 specifies basis other than the May 1976 basis in several cases and does not specify base value dates for survey points established after May 1976. Examples of this are as follows:

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- (a) Base value points for settlement points 15, 16, 17 and 18 were not established until July 1977,
- (b) Table 3.7-5 of the Technical Specification indicates the base value of settlement point 117 was established as of April 1, 1977, but it was established March 9, 1977,
- (c) Base settlement values for settlement point 248, 249, 250 and 251 were not established until December 14, 1977.

The applicant also indicated that there were typographical errors related to the settlement values specified in the Technical Specifications regarding points 117, 113, 132 and 243. The errors associated with these points are as follows:

<u>Settlement Points</u>		
243, 132/238	-	0.45 feet should read 0.045 feet
117/113	-	0.31 feet should read 0.031 feet

The applicants also stated that settlement histories for some survey points are incomplete because points have been destroyed due to construction activities and not immediately replaced. However, they indicated that any incomplete settlement record for a point can be reconstructed from other survey points on adjacent buildings. The large redundancy in survey monitoring points established allows for a complete record to be reconstructed for any time period since initiation of the program. The applicant also indicated that survey readings in general have shown movements of only a few thousandths of a foot on all rock and concrete supported structures.

In response to a question as to whether the information provided by VEPCO to date regarding settlement point 7 (service water pump house) and settlement points 15, 16, 17 and 18 (service water piping at the service water pump house) is still valid, VEPCO emphatically stated that there were no changes regarding these points. VEPCO also committed to document this matter in a letter which they intend to transmit to us by December 8, 1978.

Alexander Dromerick
 Alexander Dromerick, Project Manager
 Light Water Reactors Branch No. 3
 Division of Project Management

Enclosure:
 Attendance List

cc w/enclosure:
 See next page

Mr. W. L. Proffitt
Senior Vice President - Power
Virginia Electric & Power Company
P. O. Box 26666
Richmond, Virginia 23261

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cc: Mrs. James C. Arnold
P. O. Box 3951
Charlottesville, Virginia 22903

Mr. Anthony Gambaradella
Office of the Attorney General
11 South 12th Street - Room 308
Richmond, Virginia 23219

Richard M. Foster, Esq.
211 Stribling Avenue
Charlottesville, Virginia 22903

Michael W. Maupin, Esq.
Hunton, Williams, Gay & Gibson
P. O. Box 1535
Richmond, Virginia 23212

Mrs. June Allen
412 Owens Drive
Huntsville, Alabama 35801

Mr. James Torson
501 Leroy
Socorro, New Mexico 87801

Mrs. Margaret Dietrich
Route 2, Box 568
Gordonsville, Virginia 22942

William H. Rodgers, Jr., Esq.
Georgetown University Law Center
600 New Jersey Avenue, N.W.
Washington, D. C. 20001

Mr. Peter S. Hepp
Executive Vice President
Sun Shipping & Dry Dock Company
P. O. Box 540
Chester, Pennsylvania 19013

Mr. R. B. Briggs
Associate Director
110 Evans Lane
Oak Ridge, Tennessee 37830

Mr. Michael S. Kidd
U. S. Nuclear Regulatory Commission
P. O. Box 128
Spotsylvania, Virginia 22553

John J. Runzer, Esq.
Pepper, Hamilton & Scheetz
123 South Broad Street
Philadelphia, Pennsylvania 19109

Clarence T. Kipps, Jr., Esq.
1700 Pennsylvania Avenue, N.W.
Washington, D. C. 20006

Carroll J. Savage, Esq.
1700 Pennsylvania Avenue, N. W.
Washington, D. C. 20006

Mr. James C. Dunstan
State Corporation Commission
Commonwealth of Virginia
Blandon Building
Richmond, Virginia 23209

Alan S. Rosenthal, Esq.
Atomic Safety and Licensing
Appeal Board
U.S. Nuclear Regulatory Commission
Washington, D. C. 20555

Michael C. Farrar, Esq.
Atomic Safety and Licensing
Appeal Board
U.S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dr. John H. Buck
Atomic Safety and Licensing
Appeal Board
U.S. Nuclear Regulatory Commission
Washington, D. C. 20555

Atomic Safety and Licensing
Board Panel
U.S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dr. Paul W. Purdom
Department of Civil Engineering
Drexel University
Philadelphia, Pennsylvania 19104

ENCLOSURE

NORTH ANNA POWER STATION, UNITS 1 AND 2

DOCKET NOS. 50-338 AND 50-339

MEETING OF DECEMBER 5, 1978

NRC

A. Dromerick
O. Parr
K. Desai
R. DeYoung
J. Bryant
J. Lenahan
M. Kidd
R. Denise
R. Capra
E. Reeves
L. Heller
D. Vassallo
D. Swanson

VEPCO

R. Sturgill
C. Robinson, Jr.
C. Sorrell
E. Grecheck
W. Cartwright
J. Christman

STONE & WEBSTER

B. MacIver
R. Bradbury
W. Dodson