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September 26, 2001

Mr. Jerrold W. Gotzmer - Director  
Federal Energy Regulatory Commission  
Atlanta Regional Office, Parkridge 85 North Building  
3125 Presidential Parkway, Suite 300  
Atlanta, Georgia 30340

Serial No. F01-007

Dear Mr. Gotzmer:

**PROJECT NO. P-6335-VA / NATDAM NO. VA83005**  
**NORTH ANNA HYDROELECTRIC PROJECT**  
**FIVE YEAR INDEPENDENT CONSULTANT INSPECTION REPORT**  
**PLAN AND SCHEDULE**

Pursuant to FERC regulation 18 CFR Part 12.39 enclosed are three copies of the plan and schedule for implementing recommended corrective measures identified in the five year hydroelectric facility inspection report.

Please contact Michael P. Whalen at (540) 894-2572, should you have any questions concerning this submittal.

Very truly yours,

  
D. A. Heacock  
Site Vice President

Attachment

Commitments contained in this letter: As identified in Attachment 1

cc: U.S. Nuclear Regulatory Commission  
Region II  
Sam Nunn Atlanta Federal Center  
Suite 23T85  
61 Forsyth St., S.W.  
Atlanta, Georgia 30303-8931

Mr. M. J. Morgan  
NRC Senior Resident Inspector  
North Anna Power Station

### **Recommendation 1**

Add fill material at the crest by December 31, 2001.

#### **Plan and Schedule:**

Fill material will be added to the local erosion areas along the downstream crest of the north embankment by December 31, 2001. The four areas include:

- a) One area between the third and fourth relief wells from the north end of the north embankment.
- b) One area just south of the line of piezometers 1A through 4A.
- c) One area at both the second and fifth relief wells from the south end of the north embankment.
- d) One area between stations 21+00 and 22+00.

### **Recommendation 2**

Reposition riprap to be uniform at the end of the downstream face of the north embankment by December 31, 2001.

#### **Plan and Schedule:**

The riprap in one local area between stations 20+50 and 22+00 at the toe of the downstream face of the north embankment near the waterline and spillway will be repositioned by December 31, 2001.

### **Recommendation 3**

Repair areas of concrete spalling in Spillway Bay No. 1 by September 2003.

#### **Plan and Schedule:**

Concrete spalling in two horizontal construction joints in Spillway Bay No. 1 (south bay) will be repaired by September 2003.

**Recommendation 4**

Fill animal burrow at the downstream face of the north embankment by December 31, 2001.

**Plan and Schedule:**

One animal burrow between stations 14+00 and 16+00 located in the downstream face of the north embankment will be filled by December 31, 2001.

**Recommendation 5**

Investigate the cause of settlement in Relief Well No. 30 by December 31, 2001. The schedule for remediation, if required, will be based on the results of the cause.

**Plan and Schedule:**

The cause of the irregular soil profile in Relief Well No. 30 will be investigated by December 31, 2001. If remediation is required an action item will be developed to make the necessary repairs.

**Recommendation 6**

Modify Procedure 0-OP-59.1 (Reservoir Spillway) by September 2003.

**Plan and Schedule:**

Operations Procedure 0-OP-59.1 will be revised by June 1, 2002, to require the gate operator to ensure the radial gate chain between the dead end position and shaft is not to tight.

**Recommendation 7**

On a yearly basis, measure line-to-line voltage for each gate during annual gate testing.

**Plan and Schedule:**

The preventive maintenance procedure for tainter gates will be revised prior to the next annual test to require line-to-line voltage measurements for each tainter gate during annual gate testing.