



Date Prepared: _____
Prepared By: _____

ANNUAL INSPECTION REPORT FOR VIRGINIA REGULATED IMPOUNDING STRUCTURES

Reference: Impounding Structures Regulations, 4VAC 50-20-10 et seq., including 4VAC 50-20-105, Virginia Soil and Water Conservation Board

Owner's Information

Name of Dam: _____ Inventory Number: _____
Owner's Name: _____ Location-County/City: _____
Contact Person (if different from above): _____
Owner's Address: _____ Hazard Classification: _____
Name of reservoir: _____
Purpose of reservoir: _____
Telephone No.: (Residential) _____ (Business) _____
Other means of communication: _____

Owner's Engineer

Name of Engineering Firm and Engineer: _____
Professional Engineer Virginia License Number: _____
Mailing Address: _____

Telephone No.: (Business) _____

Directions: Make note of all pertinent conditions and changes since the last inspection, or, if this is the first inspection, since the filing of a design report.

Date of This Inspection _____
Date of Last Inspection _____

1. EMBANKMENT

- a. Any alteration made to the embankment? _____
- b. Erosion on embankment? _____
- c. Settlement, misalignment or cracks in embankment? _____
- d. Seepage? If so, seepage flow rate and location (describe any turbidity and observed color within the flow): _____

2. UPSTREAM SLOPE

- a. Woody vegetation discovered? _____
- b. Rodent burrows discovered? _____
- c. Remedial work performed? _____

3. INTAKE STRUCTURE

- a. Deterioration of concrete? _____
- b. Exposure of rebar reinforcement? _____
- c. Is there a need to repair or replace the trash rack? _____
- d. Any problems with debris? _____
- e. Was the drawdown valve operated? _____

4. ABUTMENT CONTACTS

a. Any seepage? If so, estimate the flow rate and describe the location of the seep or damp areas (describe any turbidity and observed color within the flow): _____

5. EARTHEN EMERGENCY SPILLWAY

- a. Obstructions to flow? If so, describe plans to correct: _____
- b. Rodent burrows discovered? _____
- c. Any deterioration in the approach or discharge channel? _____

6. CONCRETE EMERGENCY SPILLWAY

- a. Deterioration of concrete? _____
- b. Exposed steel reinforcement? _____
- c. Any leakage below concrete spillway? _____
- d. Obstructions to flow? If so, lists plans to correct: _____

7. DOWNSTREAM SLOPE

- a. Woody vegetation discovered? _____
- b. Rodent burrows discovered? _____
- c. Are seepage drains flowing? _____
- d. Any seepage or wet areas? _____

8. OUTLET PIPE

- a. Any water flowing outside of discharge pipe through the Impounding Structure? _____
- b. Describe any deflection or damage to the pipe: _____

9. STILLING BASIN

- a. Deterioration of concrete structures? _____
- b. Exposure of rebar reinforcement? _____
- c. Deterioration of the basin slopes? _____
- d. Repairs made? _____
- e. Any obstruction to flow? _____

10. GATES

- a. Gate malfunctions or repairs? _____
- b. Corrosion or damage? _____
- c. Were any gates operated? If so, how often and to what extreme? _____

11. RESERVOIR/WATERSHED

- a. New developments upstream of dam? _____
- b. Slides or erosion of lake banks around the rim? _____
- c. General comments to include silt, algae or other influence factors: _____

12. INSTRUMENTS

- a. List all instruments _____
- b. Any readings of instruments? _____
- c. Any installation of new instruments? _____

13. DOWNSTREAM/HAZARD ISSUES

- a. New development in downstream inundation zone? _____
- b. Note the maximum storm water discharge or peak elevation during the previous year. _____
- c. Was general maintenance performed on dam? If so, when? _____
- d. List actions that need to be accomplished before the next inspection: _____

14. OVERALL CONDITION ASSESSMENT OF IMPOUNDING STRUCTURE AND APPURTENANCES

(Check one) SATISFACTORY FAIR POOR UNSATISFACTORY NOT RATED

1. SATISFACTORY

No existing or potential dam safety deficiencies are recognized. Acceptable performance is expected under all loading conditions (static, hydrologic, seismic) in accordance with the applicable regulatory criteria or tolerable risk guidelines.

2. FAIR

No existing dam safety deficiencies are recognized for normal loading conditions. Rare or extreme hydrologic and/or seismic events may result in a dam safety deficiency. Risk may be in the range to take further action.

3. POOR

A dam safety deficiency is recognized for loading conditions which may realistically occur. Remedial action is necessary. POOR may also be used when uncertainties exist as to critical analysis parameters which identify a potential dam safety deficiency. Further investigations and studies are necessary.

4. UNSATISFACTORY

A dam safety deficiency is recognized that requires immediate or emergency remedial action for problem resolution.

5. NOT RATED

The dam has not been inspected, is not under state jurisdiction, or has been inspected but, for whatever reason, has not been rated.

General Comments: _____

Recommendations: _____

CERTIFICATION BY OWNER'S ENGINEER (required only when an inspection by an engineer is required)

I hereby certify that the information provided in this report has been examined by me and found to be true and correct in my professional judgment.

Signed: _____ Virginia Number: _____
Professional Engineer's Signature Print Name

This _____ day of _____, 20 ____ .

Engineer's Virginia Seal:



CERTIFICATION BY OWNER

I hereby certify that the information provided in this report has been examined by me.

Signed: _____
Owner's Signature Print Name

This _____ day of _____, 20 ____ . _____

**Mail the executed form to the appropriate
Department of Conservation and Recreation
Division of Dam Safety and Floodplain Management
Regional Engineer**