

DAM SAFETY PROGRAM

DEPARTMENT OF CONSERVATION & HISTORIC RESOURCES  
Division of Soil & Water Conservation  
203 Governor Street, Suite 206  
Richmond, Virginia 23219-2094

OPERATION AND MAINTENANCE APPLICATION  
CLASS I, II AND III IMPOUNDING STRUCTURES

Reference: Impounding Structure Regulations, Chapters 2 and 3, Virginia Soil and Water Conservation Board

1. Name of Impounding Structure Woodland Pond Dam  
Inventory Number 04129 Other Name (if any): \_\_\_\_\_
2. Hazard Potential Classification from Table I, Impounding Structure Regulations:  
Class I                      Class II                      Class III (Circle One)
3. Name of Owner: Midlothian Enterprises, Inc.  
Address: 9211 Forest Hill Ave., Suite 101, Richmond, Virginia 23235  
Telephone: (Business) (804) 330-0338 (Residential) (      ) \_\_\_\_\_
4. Operating Plan and Schedule.  
Provide a narrative for each item:
  - a. Operation of control gates and spillways. N/A
  - b. Operation of Reservoir Drain (not to exceed 1/2-foot drawdown per day on embankment dams). Check operation of manual drain valve annually.
5. Maintenance Plan and Schedule.  
Provide a narrative for each item:
  - a. Embankment dams:
    - (1) embankment - Mow annually; monitor seepage at toe.
    - (2) principal spillway - Inspect after heavy rainfall or once/quarter.
    - (3) emergency spillway Mow annually.
    - (4) low level outlet - N/A
    - (5) reservoir area
    - (6) downstream channel - Inspect for erosion.
    - (7) other - Check/clear trash rack on principal spillway pipe monthly.

- b. Concrete dams (includes masonry and others): N/A
  - (1) upstream face - N/A
  - (2) downstream face - N/A
  - (3) crest - N/A
  - (4) galleries - N/A
  - (5) tunnels, etc. - N/A
  - (6) abutments - N/A
  - (7) spillways - N/A
  - (8) gates and outlets - N/A
  - (9) other - N/A
- 6. Inspection schedule (See attach schedule and checklist): See attached checklist.
  - (1) operator inspection (daily, weekly, etc.)
  - (2) maintenance inspection (monthly, quarterly, semi-annual, annual)
  - (3) technical safety reinspection by a professional engineer. (Required for certificate update: Class I dams every two years, Class II dams every three years. All dams inspected after overtopping).
- 7. Emergency Action Plan schedule.

Provide the information that initiates the Emergency Action Plan:

  - a. rainfall amounts and/or - 7.0 inches in 24 hours.
  - b. spillway flows - water surface within 18 inches of overtopping (179.1').
  - c. frequency of observation - hourly
- 8. For a newly constructed impounding structure provide certification from a Professional Engineer who has inspected the impounding structure during construction that to the best of the engineer's judgement, knowledge, and belief the impounding structure and all appurtenances have been constructed in conformance with the plans, specifications and drawings submitted to the Department of Conservation and Historic Resources.

OPERATION AND MAINTENANCE PERMIT APPLICATION  
OPERATION AND MAINTENANCE SCHEDULES  
CERTIFICATION BY OWNER

I hereby certify the operation and maintenance plans and schedules provided herewith will be adhered to during the life of the project except in cases of unanticipated emergency requiring departure therefrom in order to mitigate hazard to life and property, at which time my engineer and the Department of Conservation and Historic Resources shall be notified.

Mid-Ten Enterprises Inc  
Edgar R. Allen this 7<sup>th</sup> day of May 19 93  
Owner

CERTIFICATION BY OWNER'S ENGINEER

I hereby certify that the information provided in this Form DS-2 has been examined by me and found in my professional judgment to be appropriate to operation and maintenance considerations for this dam.

Signed [Signature] Virginia Number 21209 this 17<sup>th</sup> day  
Professional Engineer  
of APRIL, 1993

Remarks:

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## INSPECTION CHECKLIST

### Monthly Inspection

- Inspect/clear principal spillway riser intake.
- Inspect/clear emergency spillway channel.
- Inspect toe of dam for excessive seepage or sediment.
- Inspect spillway outfall channel to Nash Road.

### Annual Inspection

1. Inspect embankment slopes for excessive undergrowth.
2. Inspect/operate drain valve on principal spillway riser.