



Date: 6 June 85  
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#718

STATE OF MAINE  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
STATE HOUSE STATION 17                      AUGUSTA, MAINE 04333

DEPARTMENT ORDER

IN THE MATTER OF

CHAMPION INTERNATIONAL CORP.  
Bucksport, Maine  
SILVER LAKE DAM REPAIR  
#L-010394-02-A-N

) Great Ponds Permit and Water  
) Quality Certification  
)  
) FINDINGS OF FACT AND ORDER

Pursuant to the provisions of Title 38, M.R.S.A., Section 39L and Section 40L of the Federal Water Pollution Control Act, the Department of Environmental Protection has considered the application of CHAMPION INTERNATIONAL CORPORATION with its supportive data, staff summary, agency review comments, and other related materials on file and finds the following facts:

1. The applicant proposes to repair an existing 320 foot earthen dam with a concrete core wall and spillway. The repairs will include replacing and repairing concrete on the spillway, training walls, retaining walls, and the pedestrian walkway. The applicant also proposes to excavate the dam embankment and to extend the depth of the concrete cutoff wall, to repair the road at the crest of the dam, to place a new drain at the downstream toe of the dam, and to extend the upstream riprap to the top of the dam embankment. A total of approximately 150 cubic yards of concrete and approximately 225 cubic yards of riprap will be used in the proposed repairs.

2. The applicant proposes to place and dewater an earthen cofferdam 350 feet long by 100 feet wide, upstream of the spillway. An impervious plastic "curtain" will be suspended from floats or booms and anchored to the lake bottom upstream of the cofferdam and will remain in place until all construction activities are complete.

This curtain will localize the effects of the cofferdam placement and removal. 18 to 24 inches of marine clay will be used on the cofferdam as a sealer. Any seepage that may occur will be pumped to the area between the plastic curtain and the cofferdam. This area will be used as a settling basin. Approximately 3500 cubic yards of glacial till and gravel will be used to construct the cofferdam which will maintain the lake water level at 126.0 feet above sea level. When the cofferdam is removed the soil materials will be stockpiled to be used as cover material at the Bucksport landfill. The supplier for the cofferdam material also supplies the same material for the Bucksport landfill.

3. The applicant proposes to extend the municipal water intake pipe 100 feet further into the lake. The proposed pipe will be anchored to the lake with a weighted cribwork type structure which will disturb a minimum amount of lake bottom.
4. Silver Lake is the Bucksport water supply and also an industrial storage supply. Also, Silver Lake is strictly a warm water fishery.
5. The nature of the lake bottom where the cofferdam is proposed is firm glacial till covered with a thin layer of silt and organic material.

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6. Erosion control during construction will include hay bale dikes around all disturbed areas on the downstream embankment. All disturbed areas will be permanently stabilized with either riprap or loam, seed and mulch.
7. The applicant owns the shoreline surrounding Silver Lake and the area immediately downstream.

BASED on the above findings of fact, the Department makes the following conclusions,

- A. The proposed activity will not unreasonably interfere with existing recreational, navigational, scenic or aesthetic uses.
- B. The proposed activity will not unreasonably interfere with or harm the natural environs of the Great Pond or tributary, river, or stream.
- C. The proposed activity will not cause unreasonable soil erosion provided all disturbed soils are properly stabilized.
- D. The proposed activity will not unreasonably interfere with the natural flow of any waters in that Silver Lake is a storage lake and has very low flow.
- E. The proposed activity will not unreasonably harm fish or wildlife habitat.
- F. The proposed activity will not unreasonably lower the quality of waters and will not violate applicable Water Quality Standards.

THEREFORE, the Department APPROVES WITH THE ATTACHED CONDITIONS the application of CHAMPION INTERNATIONAL CORPORATION to repair Silver Lake Dam in Bucksport, Maine, in accordance with the following conditions:

1. The Standard Conditions of Approval, a copy attached.
2. The applicant shall utilize a temporary winter rye seed mixture on disturbed soils not permanently vegetated or covered with riprap prior to September 15.

DONE AND DATED AT AUGUSTA, MAINE, THIS 6TH DAY OF JUNE, 1985.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY:

  
HENRY E. WARREN, Commissioner

PLEASE NOTE ATTACHED SHEET FOR APPEAL PROCEDURES....