



RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
BUREAU OF ENVIRONMENTAL PROTECTION
OFFICE OF COMPLIANCE AND INSPECTION
235 Promenade Street, Suite 220
Providence, RI 02908-5767

Sent by Electronic Mail

January 21, 2021

Pascoag Reservoir Dam Management District
Bud Leonhardt III, President
BL@prdmd.org
P.O.Box 1071
Chepachet, RI 02814

RE: Pascoag Reservoir Upper Dam, State I.D. 016, Burrillville, RI

Dear Mr. Leonhardt:

It is the Department of Environmental Management's (DEM) understanding that the Pascoag Reservoir Dam Management District's (PRDMD) purpose is to maintain and manage the Pascoag Dam, which includes the main dam and the dike. On June 8, 2020, the Pare Corporation, through a contract with the Department of Environmental Management (DEM), performed a visual inspection of the above referenced dam. Enclosed is a copy of the report provided to PDMD as the manager of the dam.

Based on the findings in the report, the condition has been rated good, fair, poor, unsafe or may be unsafe. *Good* is defined as meeting minimum guidelines, where no irregularities are observed, and the component appears to be maintained properly. *Fair* is defined as a component that requires maintenance. *Poor* is defined as a component that has deteriorated beyond a maintenance issue and requires repair; the component no longer functions as it was originally intended. *Unsafe* is defined as an unreasonable risk of failure exists that will result in a probable loss of human life or major economic loss. If insufficient information is available to assign a condition rating and the DEM believes that a circumstance is present that may affect the safety of the dam, the rating is *May Be Unsafe*. The ratings for the main dam are as follows:

Embankment	Fair
Spillway	May Be Unsafe
Low Level Outlet	Good

The findings that led to the determination that the dam May Be Unsafe are as follows:


1. Significant leakages in the spillway control section and evidence of vortex (report page 5, Spillway, bullet 3 a-c & bullet 4; photos 21-24).

PRDMD is not legally obligated under the Rules and Regulations for Dam Safety, to address the May be Unsafe issue. If PRDMD decides to address this issue the DEM recommends retaining a professional engineer fully registered in the State of Rhode Island, who is experienced with dam inspections, design, construction and repair, and to have the engineer perform a detailed investigation of the dam to assess the condition that may be unsafe and submit a report of the investigation findings to the DEM. If the findings show that the dam is unsafe the report must specify the actions necessary to return the dam to a safe condition and include a schedule to complete the work. For any proposed repairs, the report must include an application.

Section 3.2 - Recommendations of the report includes work to further improve the condition of the dam. Maintenance of the dam, except for certain cutting or removal of trees, does not require a permit (see Part 1.10 of the Rules and Regulations for Dam Safety). However, no repairs or alterations shall be made to an existing dam without prior approval of DEM.

Please contact me at 222-1360, extension 2777409, if you would like additional information on this matter.

Sincerely,



Stacey Kurbiec Pinto
Environmental Engineer III
Dam Safety Program

Enc.: Dam Inspection Report

Cc (email): Marc Pappas, Director, RIEMA
Samantha Lawton, Planning Branch Chief/State Floodplain Coordinator, RIEMA
Glenn Biddiscombe, Director, Burrillville Emergency Management
Gerry Mosca, Director, Glocester Emergency Management Agency
Paul Riendeau, PRDMD
Leo Plouffe
Colleen Conley