Wachusett Dam Lower Gatehouse Pipe Break

November 14, 2018
Wachusett Dam Lower Gatehouse Pipe Break

Break of 1905 Equalizer Pipe during testing of the Wachusett Aqueduct Pumping Station
Wachusett Dam Lower Gatehouse Equalizer Pipe
Wachusett Dam Lower Gatehouse Equalizer Pipe

48” Pipe

48” Tee

48” X 36” Reducer

10/19/2018 10:39
Wachusett Aqueduct Pumping Station Testing is On-Going
Short-Term Action

Alternatives to Permit Continuation of Wachusett Aqueduct Pumping Station Testing:

1. Close the valves on Lines 1 and 2 to isolate water from the equalizer pipe. Test pipe integrity.

2. Install blind flanges on Lines 1, 2 and 3.
Valve to Equalizer Pipe

New Pipe  Old Pipe
Lower Gatehouse Blind Flange

Blind Flange and Bracing
• Remove all the old cast-iron piping in Well 4 of the Lower Gatehouse

• Install new pipe and flow control valves for releases to the Nashua River
Replacement of Generator No. 1 is required following attempts to repair it.

All four generators needed to power Carroll plant and Wachusett Aqueduct Pumping Station at full capacity.

Contract for replacement advertised.