

Memorandum

To: Ephrem Paraschak, Denmark Town Manager From: Keith R. Taylor, C.G.

Re: July–December 2011 Status Report Date: 1/11/12
Poland Springs Water Withdrawal
Cold Spring, Denmark, Maine
St.Germain Collins File No.: 3135.1

As you are aware, Poland Springs is required under their Permit for Water Extraction (Permit) to submit monthly reports to the Town, and if the average weekly withdrawal exceeds 200 gpm, weekly reports are required as well. At your request, St.Germain Collins is providing the Town with periodic memos summarizing the information provided in Poland Springs' reports. The first of such reports covered the period of May through July 2010, the first three months of water withdrawal. This is the fourth report and covers the period from July through December 2011.

Withdrawal volumes for the second half of 2011 provided by Poland Springs are summarized below:

Month	Gallons Withdrawn
July	6,406,375
August	7,736,309
September	7,109,175
October	2,411,435
November	2,452,486
December	3,178,020
Total =	29,293,800

21,098,575 gallons were extracted during the first half of 2011, resulting in an annual withdrawal total of 50,392,375. For comparison purposes, 45,481,294 gallons were extracted in 2010 (from initiation of pumping in May through December), and 105,100,000 gallons is the annual limit of their permit.

Withdrawal did not exceed the short-term maximum of 300 gpm allowed in the Permit, but the weekly average was above the Permit-specified threshold of 200 gpm for one week each in July, August, and September. Exceedence of this threshold triggered the Permit requirement to submit weekly rather than monthly reports.

The weekly and monthly reports for 2011 provide ground water levels and stream flow as required by their Permit, and compare the ground water elevation from well MW-16 and stream flow from two Beaver Brook locations to the Alert and Action Levels in the Permit. Neither the Alert nor Action Levels were reached at these monitoring points during the period from July through December 2011.

St.Germain Collins met with Mark Dubois of Poland Springs and their consultant Woodard & Curran on December 9, 2011. The purpose of this meeting was to discuss potential modifications to the monitoring requirements in Poland Springs' recently renewed Permit. These proposed changes were first presented to the Town in a February 2010 written request, and consist of minor modifications to the Alert and Action Levels, as well as a reduction in the number of wells to be monitored. Mr. Dubois agreed at the meeting to provide additional information on their rationale for retaining or removing wells from the monitoring program.