

Memorandum

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

Re: January –June 2011 Status Report Date: 8/1/11
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 third report and covers the period from January through June 2011.

2011 withdrawal volumes provided by Poland Springs are summarized below:

Month	Gallons Withdrawn
January	2,640,305
February	2,028,380
March	3,284,060
April	4,150,870
May	3,719,940
June	5,275,020
Total =	21,098,575

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, nor was the weekly average above the Permit-specified threshold of 200 gpm.

The weekly and monthly reports for 2010 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 January through June 2011.

St.Germain Collins has prepared graphs of ground water elevations from select wells, as well as a ground water contour map, to evaluate whether changes in the aquifer level have occurred since pumping began, and if so, whether these changes are attributable to Poland Springs' extraction. No such changes have been identified to date. These graphs and maps will be updated and presented to the Town prior to Poland Springs Permit renewal (see below).

Conversations with Mark Dubois of Poland Springs earlier this year indicate that Poland Springs may request modification of the monitoring requirements when their Permit comes up for renewal in January 2012. If so, Mr. Dubois stated that they would present this request to the Town in advance of the Permit renewal date to allow ample time for all parties to evaluate it. We are prepared to meet with Poland Springs and the Town on this matter as appropriate.