

Memorandum

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

Re: July-December 2013 Status Report Date: 1/16/14
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 biannual 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 eighth report and covers the period from July through December 2013.

Withdrawal volumes for the second half of 2013 provided by Poland Springs are summarized below:

Month	Gallons Withdrawn
July	9,298,820
August	6,956,460
September	7,779,855
October	4,834,010
November	3,532,910
December	5,315,525
Total =	37,717,580

Total water withdrawal in 2013 was 76,124,630 gallons, slightly above the 2012 total of 70,051,695 gallons. For comparison purposes, 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 four weeks in July. Exceedence of this threshold triggered the Permit requirement to submit weekly rather than monthly reports.

The weekly and monthly reports for 2013 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 to December 2013.

Domestic well sampling results from June 2013 were provided in August 2013. The 2013 data are comparable to previous sampling results that go back to 2005. As has been the case since sampling began, several domestic wells were reported with sodium, iron, manganese, and/or radon above the Maine CDC Maximum Exposure Guidelines. St.Germain Collins concludes that these results are unrelated to Poland Springs operations.