

**Persky, James (DEP)**

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**From:** Persky, James (DEP)  
**Sent:** Friday, February 26, 2010 2:39 PM  
**To:** 'water@wayland.ma.us'  
**Subject:** revised sampling schedule for Baldwin Pond WTP

**Attachments:** Wayland Baldwin#1 letter.pdf; 3315000c.pdf

MassDEP is mailing to Don Ouellette's attention the attached letter, regarding final approval of the replacement well for Baldwin Pond #1.

Enclosed with the letter is a revised sampling schedule to reflect that the Baldwin Pond WTP is now the entry point sampling location for the Baldwin Pond Wells. The attached file called 3315000c.pdf is a copy of the revised sampling schedule. Please give this to Don Millette and anyone else who needs a copy.

Please note that the sampling schedule requires two quarters of SOC testing in 2010 at the WTP. This is because Baldwin Pond #1 and #2 were off-line in 2009 when you were collecting SOC samples at the other wells. The Chamberlain Well was also not tested for SOC in 2009; if it goes back on-line this year, you should get SOC samples from the well.



Wayland Baldwin#1 3315000c.pdf (52  
letter.pdf (... KB)

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James Persky  
MassDEP Drinking Water Program  
Northeast Regional Office  
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COMMONWEALTH OF MASSACHUSETTS  
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February 26, 2010

Donald Ouellette  
Wayland Department of Public Works  
41 Cochituate Road  
Wayland, MA 01778

RE: City/Town: Wayland  
PWS Name: Wayland Water Division  
PWS-ID No.: 3315000  
Program: System Modifications  
Action: Final Approval—Baldwin Pond  
No. 1 Replacement Well

Dear Mr. Ouellette:

Please find attached the following information:

Information related to the final approval of the Town of Wayland's Baldwin Pond No. 1 Replacement Well as a source of public water supply. This well is a replacement well for Baldwin Pond Well No. 1, which is now considered to be abandoned.

Please note that the signature on this cover letter indicates formal issuance of the attached document. If you have any questions regarding this letter, please contact James Persky at (978) 694-3227.

Sincerely,

James H. Persky  
Environmental Analyst  
Drinking Water Program

Sincerely,

Eric Worrall  
Deputy Regional Director for Resource Protection  
Northeast Regional Office

EW/jp

Enclosures: Required Water Quality Sampling Schedule

cc: DWP/Boston Office (no attachment)  
Bruce Bouck, MassDEP, Drinking Water, Boston  
Richard Friend, MassDEP, Water Management, Boston

File Name: Y:\DWP Archive\NERO\Wayland-3315000-System Modifications-2010-02-26

This information is available in alternate format. Call Donald M. Gomes, ADA Coordinator at 617-556-1057. TDD# 1-866-539-7622 or 1-617-574-6868.

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On March 25, 2002, the Massachusetts Department of Environmental Protection (MassDEP) approved construction of a replacement well for the Town of Wayland's Baldwin Pond Well No. 1. The iron level in the well had increased dramatically in the previous few years, and video inspection suggested that the well screen might be deteriorating. When the Town prepared to place the replacement well on-line, it found that the iron level in the well water was much higher than it had been during 2001 testing of the well. The well therefore remained off-line until the recent completion of the Baldwin Pond Water Treatment Facility.

The Baldwin Pond Water Treatment Facility was approved to be activated on February 23, 2010. Baldwin Pond No. 1 Replacement Well is now approved for permanent, regular use as a source of public water supply.

Baldwin Pond No. 1 Replacement Well is a 12" x 18" gravel packed well 52 feet deep, screened from 42 to 52 feet below the ground surface. The well is equipped with a submersible pump with a design rate of 525 gallons per minute (gpm) at 75 feet of head, with a 15 horsepower motor. The well water will receive treatment at the Baldwin Pond Water Treatment Facility via ozone for pre-oxidation, polyaluminum chloride for coagulation, sodium bisulfite for ozone removal, membrane ultrafiltration for iron and manganese removal, potassium hydroxide for pH adjustment, sodium hypochlorite for disinfection, and sodium fluoride for fluoridation.

MassDEP has assigned a **Source Identification Number** of 3315000-09G to Baldwin Pond No. 1 Replacement Well. The **approved daily volume** for the combined pumping from Baldwin Pond No. 1 Replacement Well and Baldwin Pond Wells Nos. 2 and 3 is 1.51 million gallons per day (MGD). This is equivalent to a combined **approved pumping rate** of 1,050 gpm.

With the activation of the replacement well, the original **Baldwin Pond Well No. 1 (3315000-01G)** is **now considered by MassDEP to be abandoned**. Baldwin Pond Well No. 1 will no longer be considered a source of public water supply. The well has been physically decommissioned.

**A revised schedule of required water quality sampling for Wayland is attached, which reflects that the Baldwin Pond Water Treatment Facility is now the entry point sample location for the three Baldwin Pond Wells.** Because Baldwin Pond Wells Nos. 1 and 2 were off-line in 2009, when the Town collected its Synthetic Organic Chemical (SOC) samples for the 2008-2010 compliance period, the sampling schedule includes two quarters of SOC sampling in 2010 at the treatment facility.