

Plan and Schedule for Supplying County Public Water to Summerfield and Brickhead Roads

Project Scope:

To supply Anne Arundel County public water to the following homes in Gambrills, MD:

1. 1181 Summerfield Road
2. 1183 Summerfield Road (well common to 1181)
3. 1184 Summerfield Road
4. 1188 Summerfield Road
5. 1190 Summerfield Road
6. 2544 Brickhead Road
7. 1179 Summerfield Road
8. 2530 Brickhead Road and
9. 2542 Brickhead Road.

Project Description

As engineered by Sigma Engineering and approved by Anne Arundel County Department of Public Works (DPW), public water will be supplied to the nine residences via an extension to the existing water supply at the Village of Waugh Chapel. The new water line will lie within new easements from the property owners or existing public easements. The eight existing drinking wells will be permanently closed or temporarily capped for future water monitoring¹. The installation will be performed in two stages, main line installation followed by individual home connections. All engineering, permitting, DPW capital connection fees, meter costs, construction costs and county water bills for the current residents on the list above will be paid by Constellation Energy.

Schedule

The project schedule and completed milestones are outlined below.

- The homes on the list above have been receiving bottled water supplied by Constellation since the end of 2006.
- A temporary public water line was installed to serve the residents on Summerfield Road and Brickhead Road until a permanent water line installation is complete. The line is supplied from a fire hydrant behind the Safeway at Waugh Chapel Village. Six homes (1179, 1181, 1183, 1184, 1188, and 1190) on Summerfield Road were connected to the temporary public water on 9/26/07. Three homes (2530, 2442, 2544) on Brickhead Road were connected to the same supply line on 10/4/07. A maintenance contract has been set up with the installation contractor for 24/7 service repairs.
- An initial design for a permanent county water supply was submitted and comments from Anne Arundel County were received on 9/24/07.
- A revised design was submitted to Anne Arundel County for their review on 10/18/07. The County was notified of the submission and requested to expedite the review process.

¹ Well closure or temporary capping will occur after completion of the permanent county water line and is subject to approval by Maryland Department of the Environment (MDE) and the homeowner. Constellation may propose to MDE that one or more of these wells be selected for initial and ongoing groundwater characterization (Consent Decree paragraph 33). Pending MDE approval and homeowner agreement to provide long term access to the selected wells for sampling purposes, the selected wells will be temporarily capped. The remaining wells within the scope of this phase of county water installation will be permanently closed.

- Engineering for the county water supply lines is expected to be completed by the end of 2007.
- Individual property easements for signature by the property owners are being prepared and are targeted for completion by the end of 2007. Completion of this task is largely outside of Constellation and BBSS control, and the failure by property owners to provide easements result in adjustments to the proposed installation schedule.
- The Notice of Intent to comply with the General Permit for Construction Activity was submitted to Maryland Department of the Environment (MDE) and a placard to be posted during construction was received from MDE on 8/31/07.
- Required drawings, documents, and easements will be submitted to Anne Arundel County for preparation of a Utility Agreement by the end of 2007.
- It is anticipated that development and approval of the Utility Agreement will take approximately 4-6 weeks.
- Following approval of the Utility Agreement, Constellation will secure the required bonds and procure the Grading Permit. The duration of these tasks is anticipated to be 1 month. Obtaining approval of the Utility Agreement and obtaining a Grading Permit are tasks subject to decisions by Anne Arundel County and the timing is outside of Constellation and BBSS control. Therefore the time frame for actually obtaining the Agreement and Permit will impact the ultimate installation schedule.
- Construction of the waterline and connection to the addresses above should be completed within 2 months of obtaining the Grading Permit and easements.

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From: Dedrickson, Yvonne A
Sent: Monday, October 15, 2007 3:46 PM
To: 'Ching-Tzone Tien'; 'Rosewin Sweeney'; 'jsakai@mde.state.md.us'
Cc: 'Pamela D. Marks'; Tracey, Edward F; Johansen, Bonnie L; 'Barbara Cook'
Subject: Notification of private well sampling data exceeding Consent Decree Appendix A action levels

Attachments: 2007_7091333_N_A rev.pdf; 2007_7091302_N_A final.pdf

Paragraph 51 of the Consent Decree dated October 1, 2007 requires the notification to the Department of "any sample results from an actively utilized drinking well that are above levels indicated in Appendix A" of that Consent Decree. Last week, on October 8, 2007, Constellation received the attached results of a sampling event conducted on September 12 and 13, 2007. Certain results from this sampling event pertain to individual water supply wells that exceed Appendix A levels, however these wells are not "actively used" as a drinking well because Constellation has been providing and continues to provide the potential users of each these wells with an alternate water supply (with the exception of the one well noted below that utilizes a water treatment system). However, in an abundance of caution, Constellation is notifying the Department with the well data consistent with the terms of Paragraph 51 of the Consent Decree. The sample results are attached.

In summary, water analyses from the following addresses exceeded the action level for sulfate of 250 mg/L, and were at or below the action level for thallium of 0.002 mg/L.

1181 Summerfield Road
1184 Summerfield Road
1188 Summerfield Road (Note: this well also exceed the action level for Cadmium, with a level of .007 ppm).
1190 Summerfield Road
2544 Brickhead Road

In addition, water analyses from 2490 Lee Street exceeded the action level for thallium of 0.002 mg/L and the action level for cadmium of 0.005 mg/L. Results from 1058 MD Rt3 were at the thallium action level of 0.002 mg/l. Results from the Wendy's located at 1064 MD Rt. 3 was at the thallium action level of 0.002 mg/L. [Note: This latter location does not receive bottled water because it has it's own water treatment system. This sample indicates the water quality prior to treatment].

Please contact me if you have any questions.

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