MEMO

Date:	February 11, 2016
Project No.	C150132.00
To:	Kenneth Roller, Dominion
From:	Scott Quinlan, GAI Consultants, Inc.
cc:	John Klamut, GAI Consultants, Inc.
Subject:	**Possum Point Outfall 010**

Kenneth,

Pursuant to our meeting with the Virginia Department of Environmental Quality (VaDEQ) on Wednesday, February 3rd, 2016, this serves as an overview of the plan for eliminating the discharge from Outfall 010. Outfall 010 is located south of Pond D across Possum Point Road (see attached Figures 1 and 2).

The modified Virginia Pollutant Discharge Elimination System (VPDES) Permit allows for the redirection of Outfall 010 flows to Ash Pond D. Dominion is proposing to redirect Outfall 010 waters to Pond D with the use of inflatable plugs and sump pumps as an interim solution. This interim solution work is planned to be completed by February 12, 2016 and is expected to remain in place until a permanent solution is designed and permitted. The permanent solution will serve the purpose of separating Pond D Toe Drainage from Outfall 010 in accordance with the Permit Special Conditions in Part 1.F.23.

As a result of the work this week to install the inflatable plugs and sump pumps, Dominion has collected samples of the Outfall 010 discharges to allow for reporting of the monthly compliance monitoring in February. Manual flow paced sampling of Outfall 010 discharges began on February 7th and were completed on February 8th. Due to the limited availability of sampling throughout this week, Dominion is able to report all constituents in the modified VPDES permit except chronic toxicity. This is due to the fact that 3 samples are required over a 5 day period and the outfall will be plugged prior to being able to obtain the additional samples.

The interim solution includes the installation of dual submersible pumps in the existing inlet north of Possum Point Road (Refer to Figure 3). This inlet is upstream of the 72" reinforced concrete culvert that crosses the road and of which the downstream discharge is Outfall 010. The 72" culvert will be plugged on the upstream and downstream ends. Additional earth fill will be added at the outfall to contain the plug. A block and mortar bulkhead may be added prior to the upstream plug at the existing inlet at a later date. Thus, stormwater, and the Pond D Toe Drain will be isolated and collected in the existing inlet and redirected (pumped) to Pond D. This interim solution will eliminate the discharge from Outfall 010 since all storm and toe drain waters will be sent to Pond D. The waters will then be treated and discharged to Internal Outfall 503 upon approval and commissioning of the treatment system.

Should you require further information please contact us at your earliest convenience.

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