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September 21, 2020

Ms. Susan Bull  
Eastern Region Supervisor, Oil Control Program  
Maryland Department of the Environment  
1800 Washington Boulevard  
Baltimore, MD 21230

**RE: Initial Recommended Enhancements/Optimization for Groundwater Containment System  
Shore Regional Health Chester River Hospital  
MDE Oil Control Program Case 87-2534-KE**

Dear Ms. Bull:

We have conducted an initial evaluation of the Shore Hospital groundwater containment system to identify enhancements to the system that could increase operational efficiency and/or facilitate rapid response to system malfunctions. We will continue to evaluate system performance to identify additional enhancements. Nonetheless, the following are our initial recommended enhancements and we are seeking MDE approval to implement them:

1. Install sample ports within the system building and sample influent (pretreatment water) as well as effluent (treated water) to assess the efficacy of the MYCELX treatment media. It is possible that the MYCELX filters are no longer required to meet groundwater discharge criteria and can be bypassed. If that was the case, we would request separate approval from MDE before bypassing the filters. The effluent sample port within the system building will replace the current effluent sample location in the storm drain at the corner of Brown Street for routine discharge monitoring.
2. Install piping and valves to enable bypassing the MYCELX filters.
3. Purchase two new groundwater extraction pumps and stage them in the treatment system building on "standby" to enable rapid replacement of an extraction well pump should one fail thereby minimizing extraction well down time.
4. Install sample ports on the influent lines from each extraction well to assess groundwater quality being produced from the extraction wells.

We are ready to proceed with the above recommendations upon receipt of your approval. If you have any questions or would like additional information, please contact me at [rscrafford@gfnet.com](mailto:rscrafford@gfnet.com) or 443-562-6714.

Sincerely,  
**GANNETT FLEMING**

Rob Scrafford P.E., PMP  
Project Manager

**Copies:** C. Ralston (MDE), A. Miller (MDE), K. Kozel (Shore Health), M. Powell (Gordon Feinblatt)  
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