

Date:

Mr. Robert Smithson, Jr.  
Virginia Department of Environmental Quality  
Tidewater Regional Office  
5636 Southern Boulevard  
Virginia Beach, VA 23462

Re: HRSD Example PRS Replacement Project  
Notification of Approval and Capacity Verification in accordance  
with SCAT Regulation 9 VAC 25-790-90. CTC Application

Dear Mr. Smithson,

This letter is in reference to the project listed above and accompanies an application for a Certificate to Construct (CTC). Our request is supported by the following information:

The purpose of this project is to upgrade a pressure reducing station by adding an additional pump. The existing PRS is designed for 4,500 gpm at 70 feet. This project will not be adding new flows to the system; however it will allow additional flow to be conveyed.

The attached Hydraulic Analysis Review Team (HART) report provides flow and pressure conditions used to develop design conditions for this project. This analysis has been performed using available information and tools including the calibrated capacity assessment version of the dynamic regional hydraulic model. It is intended to provide a reasonable design basis for sizing replacement interceptor system infrastructure that, for various reasons, needs to be implemented prior to the approval of the Regional Wet Weather Management Plan (RWWMP).

The HRSD infrastructure downstream from this project has been reviewed and has been verified to have adequate capacity to convey and treat the current flows associated with this project. The PER dated \_\_\_\_\_ documents the criteria and analysis used in the verification of capacity. Furthermore, the facilities associated with this project will be included in the analyses conducted for the Regional Wet Weather Management Plan.

HRSD, in consultation with the City / County of \_\_\_\_\_, has reviewed the project scope, the design basis and the sewer system impacts of this proposed project. In addition, HRSD has received all necessary approvals and associated permits.

Sincerely,

Bruce W. Husselbee, P.E.  
Director of Engineering

CC: Chief of Planning and Analysis  
Chief of South / North Shore Interceptors