



THE GATEWAY ENGINEERS, INC.

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October 18, 2012
C-17749-1216

ALCOSAN
3300 Preble Avenue
Pittsburgh, PA 15233

ATT: Tim Prevost, P.E.
Manager of Wet Weather Programs

RE: Comments to the ALCOSAN Wet Weather Report
Borough of Rosslyn Farms

Dear Tim,

On behalf of the Borough of Rosslyn Farms we reviewed the ALCOSAN Wet Weather Report, we have the following comments:

1. Section 1.3 Page 1-9 reads as follows – “This WWP addresses the elimination of sanitary sewer overflows and the control of combined sewer overflows from ALCOSAN’s Conveyance and Treatment Systems, including overflow structures located at the points of connection with the municipal collection systems. The Plan does not directly address the elimination or control of overflows within the municipal collection systems. However it provides for the hydraulic capacity to accept additional wet weather flows from the municipalities which may be conveyed to the ALCOSAN Conveyance and Treatment System pursuant to municipal feasibility studies to be complete under separate compliance orders”

Comment: The affordability analysis indicates that not all projects can be completed under the Selected Plan, and therefore not all connections from the municipal systems to the ALCOSAN system will be updated. How will additional flows sent to ALCOSAN be handled if the Municipalities update their systems, but ALCOSAN does not?

2. Section 9.3.3 Page 9-80 reads as follows – “In some cases, even after the follow-through coordination was completed, information from a particular municipality was still incomplete, was judged to be unreliable or a preferred control strategy could not be clearly identified. In these cases, the basin planner assumed a control strategy, assumed a level of control and the associated costs, and/or identified areas within the existing municipal sewer system that had adequate hydraulic capacity to convey peak wet weather flow to the ALCOSAN system and where no capital improvements or control facilities were required.” This same assumption is stated throughout the report.



Comment: Please refer to the letters dated January 2011 and July 2011 in which the Borough of Rosslyn Farms clearly stated that there are no projects proposed in Rosslyn Farms and the existing collection system can convey the 10 year – 24 Hour Storm event and indicated that they will be conveying all flow to ALCOSAN unrestricted to POC C-26. The ALCOSAN wet weather plan assumes a parallel sewer in Rosslyn Farms that will not be constructed nor is it planned.

In addition, the wet weather plan states the portion of Rosslyn Farms contributing to C-21 is assumed to use the existing system. There are no customers in Rosslyn Farms sewerlines contributing to C-21. The only lines in Rosslyn Farms in this sewershed are owned and maintained by Thornburg Borough and are the gravity route to convey the Thornburg flows to C-21.

3. Section 10.8 Page 10-54 indicates that a wet weather treatment facility at will be installed in Crafton Borough. The report reads “...Flows in excess of the RTB’s 118 MGD treatment capacity will be shunted around the RTB without disinfection, discharging to Chartiers Creek through a new outfall which also conveys the RTB’s treated effluent. Untreated overflows will occur no more than four times in the typical year.”

Comment: How many times is it anticipated to overflow a year? How will the odor and noise at the treatment facility be controlled? Could this cause additional flooding to the recreation facility based on increase flow to the area?

4. Section 11 indicates throughout that Municipalities will start construction immediately following the approval of the Feasibility Plans.

Comment: If the Municipalities complete their construction projects prior to ALCOSAN’s projects, how will the additional flows be handled? If ALCOSAN’s line cannot (due to not being constructed or not being part of the Recommended Plan) accept the flows, Municipal flows could create new hydraulic issues to their systems or downstream Municipalities.

5. We understand that no construction is proposed in Rosslyn Farms by ALCOSAN other than a new section of pipe to connect the C-26 regulator structure to the ALCOSAN relief sewer. This line will be constructed via a right of way on private property and should not impact public facilities in Rosslyn Farms.
6. In the Financial Analysis section, ALCOSAN assumes a \$210 per year cost for Municipal projects resulting in a residential indicator of 0.9%. As stated above, there are no construction projects planned in Rosslyn Farms, so this number should be zero. This results in a Total Cost per Household of \$1,380 per year or 0.78% Residential Indicator.



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On Call. On Time. On Target.

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If you have any questions or need clarification, please do not hesitate to contact us.

Sincerely,
THE GATEWAY ENGINEERS, INC.

Ruthann L. Omer, P.E.
Project Manager – Feasibility Study

cc: Rosslyn Farms Council
Bryan Flaugh, Borough Engineer
Rosslyn Farms Solicitor

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