



October 19, 2012

C-17749-1202

[www.gatewayengineers.com](http://www.gatewayengineers.com)

ALCOSAN  
3300 Preble Avenue  
Pittsburgh, PA 15233

ATT: Tim Prevost, Manager of Wet Weather Programs

RE: Comments to the ALCOSAN Wet Weather Report  
Brentwood Borough

Dear Tim,

On behalf of Brentwood Borough, we have reviewed the ALCOSAN Wet Weather Report. We offer 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”

Comments:

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.

The Recommended Plan delays the improvements in the Saw Mill Run Basin. How will additional flows sent to ALCOSAN’s Points of Connection be handled if the municipalities update their systems, but ALCOSAN does not? Will the Saw Mill Run Basin system users pay the same rates as users in the basins that will have the improvements projects completed within them? Will the rates be delayed in full to these users until the improvements are completed?

The Recommended Plan delays the improvements upstream of M-29 in the Upper Mon Basin. How will additional flows sent to ALCOSAN’s Points of Connection be



October 19, 2012  
C-17749-1202  
Page 2

handled if the municipalities update their systems, but ALCOSAN does not? Will the Upper Mon Basin system users pay the same rates as users in the Basins that will have the improvements projects completed within them? Will the rates be delayed in full to these users until the improvements are completed upstream of M-29?

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 letter dated July 25, 2012 in which Brentwood Borough acknowledged the “Complex Sewershed MH-89 Draft POC Feasibility Study Submittal” indicating that they will be conveying all flow to ALCOSAN via an upsized sewer. ALCOSAN’s assumption was correct.

3. Section 10.1 Page 10-2 reads as follows – “This 2026 Plan assumes municipalities will implement all of their planned improvements by 2026 to eliminate municipal SSOs and control municipal CSOs by 2026, bringing substantial improvement to local tributaries streams.”

Comment:

The affordability analysis indicates that not all projects can be complete under the Selected Plan. Therefore not all SSOs will be eliminated in areas where no improvements are being proposed to be completed by ALCOSAN by 2026 specific to Brentwood Borough for Saw Mill Run (MH-89) and Upper Mon (M-42, beyond M-29). How will these SSOs be handled? If every municipality conveys additional flows to ALCOSAN but no work is being completed in the basin, will new or increased SSOs be created?

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 infrastructure





October 19, 2012

C-17749-1202

Page 3

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. The DWWP assumes an annual cost per municipality of \$210 per customer based on a uniform distribution of all the municipal costs. These numbers will be further refined based on debt service, annual operation and maintenance costs, financing options, etc. as part of the financial impact section of the Feasibility Study Report due in July 2013.

Sincerely,  
THE GATEWAY ENGINEERS, INC.

Michael Skinner, P.E.  
Project Manager

Enclosure

cc: Brentwood Borough Council  
Thomas Ayoob, Brentwood Borough Solicitor  
George Zboyovsky, P.E., Brentwood Borough Manager  
Emily Jo Gaspich, P.E., Brentwood Borough Engineer, The Gateway Engineers, Inc.  
Arletta Scott-Williams, Executive Director, ALCOSAN  
Jan Oliver, Director of Regional Conveyance, ALCOSAN  
Mike Lichte, Manager of Planning, ALCOSAN

# THE BOROUGH OF BRENTWOOD



MUNICIPAL BUILDING - 3624 BROWNSVILLE ROAD  
PITTSBURGH, PA 15227-3199

Office 412 - 884-1500 FAX 412 - 884-1911

July 25, 2012  
C-17749-1202

ALCOSAN  
3300 Preble Avenue  
Pittsburgh, PA 15233

ATT: Tim Prevost, Manager of Wet Weather Programs

RE: Complex Sewershed MH-89 Draft POC Feasibility Study Acknowledgement  
Borough of Brentwood

Dear Mr. Prevost:

ALCOSAN by letter dated November 7, 2011 requested that, for each listed complex sewershed, the participating municipalities submit a single comprehensive draft Feasibility Study designated by Point of Connection and to acknowledge that the contributing municipalities understand the current status of evaluation of multi-municipal leading alternative wet weather plan solutions and associated costs.

The contributing municipalities have met on a regular basis and have discussed the scenarios as presented in Whitehall Borough's "Complex Sewershed MH-89 Draft POC Feasibility Study Submittal ." The preferred multi-municipal lead alternative is described below.

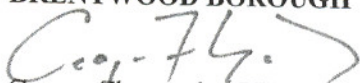
POC:	MH-89
Lead Municipality:	Whitehall Borough
Lead Alternative:	Increased Conveyance via Upsize Sewers, Additional Conveyance Sewers, and Diversion Chamber Modification and Screening
Design Conditions:	10-Year Storm
Preliminary Capital Costs:	\$18.0 M
Future Flow Requirements:	43.6 MGD

This acknowledgement does not preclude further study, consideration of additional alternatives, and final recommendation and acceptance of same prior to the COA (or ACO) mandated

submission of their Feasibility Study by July 31, 2013 or as additional information material to our deliberations may become available.

The Borough encourages any dialogue or questions you may have regarding our understanding of the planning information included herein related to the MH-89 Draft POC Feasibility Study Submittal.

Very truly yours,  
**BRENTWOOD BOROUGH**

  
George Zboyovsky, PE  
Borough Manager

Enclosure

cc: Brentwood Borough Council  
Thomas Ayoob, Brentwood Borough Solicitor  
George Zboyovsky, P.E., Brentwood Borough Manager  
Emily Jo Gaspich, P.E., Brentwood Borough Engineer, The Gateway Engineers, Inc.  
City of Pittsburgh Council  
Don Waldorf, Acting Director of Engineering and Construction, PWSA  
Mark Nowak, Solicitor, PWSA  
Jeff Lenner, PWSA  
John Maslanik, P.E., PWSA, Chester Engineers  
Whitehall Borough Council  
James E. Leventry, Whitehall Borough Manager  
Irving S. Firman, Tucker Arensburg, P.C., Whitehall Borough Solicitor  
Ruthann L. Omer, P.E., Whitehall Borough Engineer  
Michael Skinner, P.E., Project Manager, Brentwood & Whitehall Borough, The Gateway Engineers, Inc.  
Castle Shannon Borough Council  
Dennis R. Biondo, Castle Shannon Borough Solicitor  
Thomas C. Hartswick, Castle Shannon Borough Manager  
Jason Stanton, P.E., Castle Shannon Borough Engineer, Lennon, Smith, Souleret Engineering, Inc.  
Arletta Scott-Williams – Executive Director, ALCOSAN  
Mike Lichte, Manager of Planning - ALCOSAN  
Jan Oliver, Director of Regional Conveyance - ALCOSAN



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July 25, 2012  
C-17749-1202

ALCOSAN  
3300 Preble Avenue  
Pittsburgh, PA 15233

ATT: Tim Prevost, Manager of Wet Weather Programs

RE: Complex Sewershed M-42 Draft POC Feasibility Study Acknowledgement  
Borough of Brentwood

Dear Mr. Prevost:

ALCOSAN by letter dated November 7, 2011 requested that, for each listed complex sewershed, the participating municipalities submit a single comprehensive draft Feasibility Study designated by Point of Connection and to acknowledge that the contributing municipalities understand the current status of evaluation of multi-municipal leading alternative wet weather plan solutions and associated costs.

The contributing municipalities have met on a regular basis and have discussed the scenarios as presented in PWSA's "Streets Run Sewershed Narrative Summary of CSO/SSO Controls and Costs." The preferred multi-municipal lead alternative is described below.

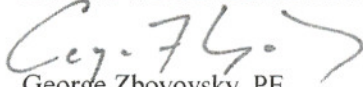
POC:	M-42
Lead Municipality:	PWSA (City of Pittsburgh)
Lead Alternative:	Increased Conveyance via Parallel Relief Sewers with Diversion Chamber Modification and Screening
Design Conditions:	2-Year Storm; 0, 4, or 10 Permitted Overflows
Preliminary Capital Costs:	\$37.375 M - 0 Overflows \$35.926 M - 4 Overflows \$29.409 M - 10 Overflows
Future Flow Requirements:	56.96 MGD (2-Year, Typical) - 0 Overflows 53.70 MGD (2-Year, Typical) - 4 Overflows 48.28 MGD (2-Year, Typical) - 10 Overflows

This acknowledgement does not preclude further study, consideration of additional alternatives, and final recommendation and acceptance of same prior to the COA (or ACO) mandated submission of their Feasibility Study by July 31, 2013 or as additional information material to our deliberations may become available.

The Borough encourages any dialogue or questions you may have regarding our understanding of the planning information included herein related to the M-42 Draft POC Feasibility Study Submittal.

Very truly yours,

**BRENTWOOD BOROUGH**



George Zboyovsky, PE  
Borough Manager

Enclosure

cc: Brentwood Borough Council  
Thomas Ayoob, Brentwood Borough Solicitor  
Emily Jo Gaspich, P.E., Borough Engineer, The Gateway Engineers, Inc.  
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Don Waldorf, Acting Director of Engineering and Construction, PWSA  
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Ruthann L. Omer, P.E., Whitehall Borough Engineer  
Michael Skinner, P.E., Project Manager, Brentwood & Whitehall Borough, The Gateway Engineers, Inc.  
Pleasant Hills Borough Council  
Deborah A. Englert, Pleasant Hills Borough Manager  
Fred C. Jug, Jr. Pleasant Hills Borough Solicitor  
Ned Mitrovich, P.E., Pleasant Hills Borough Engineer, Lennon, Smith, Souleret Engineering, Inc.  
West Mifflin Sanitary Sewer Municipal Authority  
Matthew D. Racunas, Esquire, WMSSMA Solicitor, Law Office of Patricia L. McGrail, LLC  
John Balewski, P.E., WMSSMA Engineer, Chester Engineers  
Arletta Scott-Williams – Executive Director, ALCOSAN  
Mike Lichte, Manager of Planning - ALCOSAN  
Jan Oliver, Director of Regional Conveyance - ALCOSAN