



October 19, 2012
C-17749-1215

ALCOSAN
3300 Preble Avenue
Pittsburgh, PA 15233

ATT: Tim Prevost, Manager of Wet Weather Programs

RE: Comments to the ALCOSAN Wet Weather Report
Municipality of Penn Hills

Dear Tim,

On behalf of the Municipality of Penn Hills, 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 Turtle Creek 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 Turtle Creek 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 A-23 in the Upper Allegheny Basin. How will additional flows sent to ALCOSAN’s Points of



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Connection be handled if the municipalities update their systems, but ALCOSAN does not? Will the Upper Allegheny 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 A-23?

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 enclosed letters dated July 31, 2012 in which the Municipality of Penn Hills acknowledged the A-42, A-45, T-09, and M-47 Draft POC Feasibility Study Reports as well as the “Complex Sewershed A-42A/A-42A-30 Draft POC Feasibility Study Submittal” indicating that they will be conveying all flow to ALCOSAN via various methods which increase current flows/volumes. 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 Penn Hills for Turtle Creek (T-09), Upper Allegheny (A-42, A-42A/A-42A-30, A-45, all beyond A-23) and Upper Mon (M-47, 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.

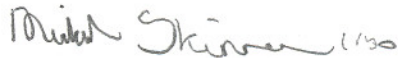
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Comment:

If the municipalities complete their construction projects prior to ALCOSAN's projects, how will the additional flows be handled? If ALCOSAN's infrastructure 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, maintenance costs, and 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: Penn Hills Municipal Council
Craig Alexander, Penn Hills Solicitor, Bruce Dice and Associates
Mohammed Rayan, Penn Hills Municipal Manager
Tom O'Grady, Director, Water Pollution Control Department
Richard D. Minsterman, P.E., Penn Hills Municipal Engineer
Arletta Scott-Williams, Executive Director, ALCOSAN
Jan Oliver, Director of Regional Conveyance, ALCOSAN
Mike Lichte, Manager of Planning, ALCOSAN



Municipality of PENN HILLS

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July 31, 2012
C-17749-1215

ALCOSAN
3300 Preble Avenue
Pittsburgh, PA 15233

ATT: Tim Prevost, Manager of Wet Weather Programs

RE: Complex Sewershed A-45 Draft POC Feasibility Study Acknowledgement
Municipality of Penn Hills

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 Verona Borough's "Draft Feasibility Study – Point of Connection A-45." The preferred multi-municipal lead alternative is described below.

The municipalities involved have met on a regular basis and have discussed the multi-municipal lead alternative as described below.


POC:	A-45
Lead Municipality:	Verona Borough
Lead Alternative:	Increased Conveyance via Parallel Relief Sewers
Design Conditions:	2-Year Storm
Preliminary Capital Costs:	\$843,000
Future Flow Requirements:	per Verona Borough's report

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 Municipality encourages any dialogue or questions you may have regarding our understanding of the planning information included herein related to the A-45 Draft POC Feasibility Study Submittal.

The above content was reviewed by the municipality's engineer, The Gateway Engineers, Inc. and the Municipality of Penn Hills acknowledges this through the below signature.

Sincerely,



Anthony DeLuca, Jr.,
Municipality of Penn Hills Mayor

Enclosure

cc: Penn Hills Municipal Council
Craig Alexander, Penn Hills Solicitor, Bruce Dice and Associates
Mohammed Rayan, Penn Hills Municipal Manager
Tom O'Grady, Director Water Pollution Control
Richard D. Minsterman, P.E., Penn Hills Municipal Engineer
Michael Skinner, P.E., Project Manager, Municipality of Penn Hills, The Gateway Engineers, Inc.
Verona Borough Council
Verona Borough Solicitor
Bonita M. Conway, Secretary, Verona Borough
Larry Seiler, P.E., Verona Borough Engineer, Senate Engineering
Amber Yon, P.E., Verona Borough Engineer, Senate Engineering
Arletta Scott-Williams – Executive Director, ALCOSAN
Mike Lichte, P.E., Manager of Planning - ALCOSAN
Jan Oliver, Director of Regional Conveyance - ALCOSAN



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July 31, 2012
C-17749-1215

ALCOSAN
3300 Preble Avenue
Pittsburgh, PA 15233

ATT: Tim Prevost, Manager of Wet Weather Programs

RE: Complex Sewershed T-09 Draft POC Feasibility Study Acknowledgement
Municipality of Penn Hills

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 the Municipality of Monroeville's Complex Sewershed POC T-09 POC Report. The preferred multi-municipal lead alternative is described below.

The municipalities involved have met on a regular basis and have discussed the multi-municipal lead alternative as described below.

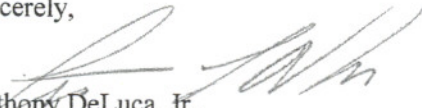
POC:	T-09
Lead Municipality:	Municipality of Monroeville
Lead Alternative:	Increased Conveyance via Parallel Relief Sewers and Detention Facilities
Design Conditions:	2-Year Storm
Preliminary Capital Costs:	\$18.7 M
Future Flow Requirements:	117.0 MGD

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 Municipality encourages any dialogue or questions you may have regarding our understanding of the planning information included herein related to the T-09 Draft POC Feasibility Study Submittal.

The above content was reviewed by the municipality's engineer, The Gateway Engineers, Inc. and the Municipality of Penn Hills acknowledges this through the below signature.

Sincerely,


Anthony DeLuca, Jr.,
Municipality of Penn Hills Mayor

cc: Penn Hills Municipal Council
Craig Alexander, Penn Hills Solicitor, Bruce Dice and Associates
Mohammed Rayan, Penn Hills Municipal Manager
Tom O'Grady, Director Water Pollution Control
Richard D. Minsterman, P.E., Penn Hills Municipal Engineer
Michael Skinner, P.E., Project Manager, Municipality of Penn Hills, The Gateway
Engineers, Inc.
John Capor, Monroeville Municipal Authority
Joe Storey, Monroeville Municipal Authority
James Hunter, Monroeville Municipal Authority
Rebecca Bradley, Manager, Wilkins Township
Dolores Porter, Manager, Turtle Creek Borough
Michael Thomas, Manager, Plum Borough
Arletta Scott-Williams – Executive Director, ALCOSAN
Mike Lichte, P.E., Manager of Planning - ALCOSAN
Jan Oliver, Director of Regional Conveyance – ALCOSAN



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July 31, 2012
C-17749-1215

ALCOSAN
3300 Preble Avenue
Pittsburgh, PA 15233

ATT: Tim Prevost, Manager of Wet Weather Programs

RE: Complex Sewershed M-47 Draft POC Feasibility Study Acknowledgement
Municipality of Penn Hills

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 "Nine Mile Run Sewershed Narrative Summary of CSO/SSO Controls and Costs." The preferred multi-municipal lead alternative is described below.

The municipalities involved have met on a regular basis and have discussed the multi-municipal lead alternative as described below.


POC:	M-47
Lead Municipality:	PWSA (City of Pittsburgh)
Lead Alternative:	Increased Conveyance via Parallel Relief Sewers and Detention Facilities
Design Conditions:	2-Year Storm; 0, 4, or 10 Permitted Overflows
Preliminary Capital Costs:	\$42.055 M – 0 Overflows \$33.991 M – 4 Overflows \$32.452 M – 10 Overflows
Future Flow Requirements:	421.10 MGD (2-Year, Typical) - 0 Overflows 266.37 MGD (2-Year, Typical) - 4 Overflows 238.26 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 Municipality of Penn Hills is a very minor contributor to this POC; however they encourage any dialogue or questions you may have regarding our understanding of the planning information included herein related to the M-47 Draft POC Feasibility Study Submittal.

The above content was reviewed by the municipality's engineer, The Gateway Engineers, Inc. and the Municipality of Penn Hills acknowledges this through the below signature.

Sincerely,


Anthony DeLuca, Jr.,
Municipality of Penn Hills Mayor

cc: Penn Hills Municipal Council
Craig Alexander, Penn Hills Solicitor, Bruce Dice and Associates
Mohammed Rayan, Penn Hills Municipal Manager
Tom O'Grady, Director Water Pollution Control
Richard D. Minsterman, P.E., Penn Hills Municipal Engineer
Churchill Borough Council
Robert W. Goehring, Churchill Borough Solicitor
Craig A. Robinson, Churchill Borough Manager
Ruthann L. Omer, P.E., Borough Engineer, The Gateway Engineers, Inc.
Michael Skinner, P.E., Project Manager, Churchill Borough, Municipality of Penn Hills,
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
Braddock Hills Borough Council
Edgewood Borough Council
Tim Barry, Edgewood Borough Solicitor
Warren Cecconi, Edgewood Borough Manager
Jason Stanton, P.E., Edgewood Borough Engineer
Swissvale Borough Council
Swissvale Borough Solicitor
Amanda J. Ford, Swissvale Borough Secretary
Wilkinsburg Borough Council
Wilkinsburg Borough Solicitor
Marla Marcinko, Wilkinsburg Borough Manager
Robert Zischkau, Braddock Hills Borough Engineer, Swissvale Borough Engineer,
Wilkinsburg Borough Engineer, Glenn Engineering & Associates, Ltd.
Arletta Scott-Williams, Executive Director, ALCOSAN
Mike Lichte, Manager of Planning, ALCOSAN
Jan Oliver, Director of Regional Conveyance, ALCOSAN



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July 31, 2012
C-17749-1215

ALCOSAN
3300 Preble Avenue
Pittsburgh, PA 15233

ATT: Tim Prevost, Manager of Wet Weather Programs

RE: Complex Sewershed A-42 Draft POC Feasibility Study Acknowledgement
Municipality of Penn Hills

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 "Negley Run Sewershed Narrative Summary of CSO/SSO Controls and Costs." The preferred multi-municipal lead alternative is described below.

The municipalities involved have met on a regular basis and have discussed the multi-municipal lead alternative as described below.

POC:	A-42
Lead Municipality:	PWSA (City of Pittsburgh)
Lead Alternative:	Increased conveyance via a parallel relief sewer along Washington Boulevard and a detention facility along Brushton Avenue
Design Conditions:	Typical Year 0, 4, or 10 Permitted Overflows
Preliminary Capital Costs:	\$43.075 M – 0 Overflows \$22.680 M – 4 Overflows \$9.253 M – 10 Overflows
Future Flow Requirements:	Refer to "Flows to ALCOSAN" (pg. 15) in PWSA report

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

The above content was reviewed by the municipality's engineer, The Gateway Engineers, Inc. and the Municipality of Penn Hills acknowledges this through the below signature.

Sincerely,



Anthony DeLuca, Jr.,
Municipality of Penn Hills Mayor

cc: Penn Hills Municipal Council
Craig Alexander, Penn Hills Solicitor, Bruce Dice and Associates
Mohammed Rayan, Penn Hills Municipal Manager
Tom O'Grady, Director Water Pollution Control
Richard D. Minsterman, P.E., Penn Hills Municipal Engineer
Michael Skinner, P.E., Project Manager, Municipality of Penn Hills, 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
Wilkinsburg Borough Council
Wilkinsburg Borough Solicitor
Marla Marcinko, Wilkinsburg Borough Manager
Robert Zischkau, Wilkinsburg Borough Engineer, Glenn Engineering & Associates, Ltd.
Arletta Scott-Williams, Executive Director, ALCOSAN
Mike Lichte, Manager of Planning, ALCOSAN
Jan Oliver, Director of Regional Conveyance, ALCOSAN



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July 31, 2012
C-17749-1215

ALCOSAN
3300 Preble Avenue
Pittsburgh, PA 15233

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

Re: Complex Sewershed A-42A/A-42A-30 Draft POC Feasibility Study Submittal
Municipality of Penn Hills
Wilkinsburg Borough

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. Gateway Engineers has proposed the following for your review.

POC: A-42A

Description of Sewershed:

POC A-42A services approximately 7,300 customers in the Municipality of Penn Hills and 20 Customers in Wilkinsburg Borough. The POC contains 87.8 miles of gravity sewerlines ranging from 8 inch to 24 inch in diameter. There are four pump stations and three equalization tanks in this sewershed area. The Quigley pump station receives wet weather flow from POC A-42A-30 and directs it to the Volk Equalization Tank at A-42A. All flows discharging to ALCOSAN POC A-42A are regulated and controlled by the Volk Equalization Facility and all flows discharging to ALCOSAN POC A-42A-30 are controlled by a regulator structure and the Quigley Pump Station. A map of this sewershed is attached.

Description of Deficiencies:

There are no known overflows at POCs A-42A and A-42A-30 however the majority of the issues in this sewershed area are within the collection and conveyance system for Penn Hills.

Lead Alternatives: (Alternatives include A-42A-30)

Proposed projects in this sewershed include the following:

- Lime Hollow Upsizing –

A section of Lime Hollow Road has experienced manhole overflows resulting in a manhole lid lifting off and road closures due to high flows during storm events. In 2009, the Municipality spent \$81,000 to line a section sanitary sewer and seal manholes along a tributary area to this manhole to reduce flows in the lines. This project significantly reduced the frequency of overflows, but did not eliminate the issue. To alleviate these dangerous driving conditions and impact to the adjacent stream we reviewed four alternatives and depicted them on the four attached GIS maps. Attached are probable opinions of construction cost for each alternative. The four alternatives are as follows:

- Alternative 1: *Preferred Alternative* - Replace and upsize Lime Hollow sewerline from Manhole SC-3-91 to connection on Coal Hollow Road at a probable construction cost of \$2,384,062.
- Alternative 2: Replace and upsize sewer line from Manhole SC-3-91 to SC-3-87 to remove a bottleneck at a probable construction cost of \$171,042.
- Alternative 3: Rerouting the sewerline around the Farm on Lime Hollow to bypass the bottleneck at a probable construction cost of \$135,106.
- Alternative 4: Removal of the 90 degree bend at manhole SC-3-91 at a probable construction cost of \$57,199.

The alternative to upsize the entire length (Alternative 1) will be depicted in the Basin Model for ALCOSAN and is the proposed alternative to convey the 10 year storm event; however the rerouting and smaller upsizing projects (Alternatives 2 and 3) would allow the sewerline to pass a larger volume storm than it currently does without overflowing Manhole SC-3-91. These alternatives however would not control the flow up to the 2 year storm event. We do not believe the option to remove the 90 degree bend will make a significant difference in the elimination of overflows at this manhole.

- Extension of Upsizing Along Beulah Road –

In 2010, Penn Hills installed approximately 2,700 lineal feet of 24 inch sewerline along Long and Beulah Roads to alleviate a hydraulic bottleneck as per the Consent Order. At that time, Council was aware that this project would not solve the entire problem and the upsizing would need to extend further to correct this issue. There are still homes on Beulah Road with grinder pumps installed to prevent basement backups during high flow events. Installation of grinder pumps is not considered to be a viable solution to this problem by the DEP. To alleviate this issue it is proposed to upsize the sanitary sewer to 15 inches for an additional 1,050 lineal feet at a projected construction cost of \$896,025. Penn Hills may be able to save approximately \$200,000 in construction costs if a relief line is placed along the rear of the homes rather than in the PennDOT right of way. This would be dependent on obtaining private rights of way and potential stream encroachment permits for the line installation.

- Nadine On-Lot Failures / Disconnection of Lincoln Pump Station –

This alternative would involve diverting flow through a new sewerline down Nadine with new Point of Connection to ALCOSAN along the Allegheny River Blvd Interceptor. There are 18 homes with potentially failing on lot systems along Nadine that the PADEP and ACHD are refusing to grant any additional permits for small flow treatment facilities to service these homes. Eventually all of these homes will be condemned once their current on-lot sewer systems fail. The new sanitary sewer along Nadine Road would resolve the septic problems as well as allow the Municipality to abandon the Lincoln Road Pump Station and allow gravity flow down Nadine to a new ALCOSAN connection. In addition, this would also remove flow from the Volk Equalization Facility, the ALCOSAN Pump Station and the sanitary sewer lines on Lincoln and Sandy Creek Road. Thus avoiding surcharge issues and potential upsizing along Sandy Creek Road. The projected construction cost for this project would be \$1,962,350; however the thirty year present worth value saved by abandoning the Lincoln pump station is \$1,926,686. This demonstrates that the construction cost of this option is virtually a wash when you compare it to the cost savings by eliminating the Lincoln Road Pump Station over a 30 year life cycle. This project, although it has advantages for Penn Hills it may not receive funding due to the amount of additional debt that Penn Hills will have to incur on top of existing debt service to provide sewage service to 18 homes.

Design Conditions:	10-Year Storm, Summer
Preliminary Total Capital Costs:	\$5.24 M
Future POC Flow Requirements:	9.33 MGD

POC A42A-30:

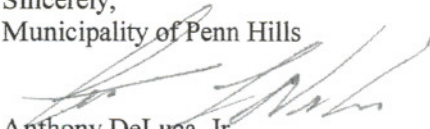
- The fourth and final alternative is to remove the diversion structure and eliminate the Quigley pump station. This will allow all flow to discharge to ALCOSAN rather than being diverted to the Volk Equalization Facility. This project will reduce flow to the Volk Equalization Facility and reducing if not eliminating the overflow occurrences at the Eq facility as well as saving Penn Hills future costs of maintaining the Quigley Station.

Design Conditions:	10-Year Storm, Summer
Preliminary Total Capital Costs:	\$35,000
Future POC Flow Requirements:	3.7 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 contributing municipalities encourage any dialogue or questions you may have regarding any of the planning information included herein related to the A-42A/A-42A-30 Draft POC Feasibility Study Submittal.

Sincerely,
Municipality of Penn Hills



Anthony DeLuca, Jr.,
Municipality of Penn Hills Mayor

Enclosure

cc: Penn Hills Municipal Council
Craig Alexander, Penn Hills Solicitor, Bruce Dice and Associates
Mohammed Rayan, Penn Hills Municipal Manager
Tom O'Grady, Director Water Pollution Control
Richard D. Minsterman, P.E., Penn Hills Municipal Engineer
Michael Skinner, P.E., Project Manager, Municipality of Penn Hills, The Gateway
Engineers, Inc.
Wilkinsburg Borough Council
Wilkinsburg Borough Solicitor
Marla Marcinko, Wilkinsburg Borough Manager
Robert Zischkau, Wilkinsburg Borough Engineer, Glenn Engineering & Associates, Ltd.
Arletta Scott-Williams, Executive Director, ALCOSAN
Mike Lichte, P.E., Upper Allegheny Basin Manager
Jan Oliver, Director of Regional Conveyance, ALCOSAN



Municipality of PENN HILLS

A HOME RULE COMMUNITY

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12245 FRANKSTOWN ROAD • PENN HILLS, PA 15235-3494

July 31, 2012
C-17749-1215

ALCOSAN
3300 Preble Avenue
Pittsburgh, PA 15233

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

Re: Complex Sewershed T-04-02 Draft POC Feasibility Study Submittal
Municipality of Penn Hills
Wilkins Township

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. Gateway Engineers has proposed the following for your review.

POC: T-04-02

Description of Sewershed:

POC T-04-02 services approximately 4,800 customers in the Municipality of Penn Hills and 26 Customers in Wilkins Township. The POC contains 69.9 miles of gravity sewerlines ranging from 8 inch to 24 inch in diameter. There is one pump station and three equalization tanks in this sewershed area. The flow from a majority of this area is controlled by the three equalization tanks.

Description of Deficiencies:

There are no known overflows at POC T-04-02 or capacity issues on the Gascola and Rodi Interceptors due to the installation of the equalization tanks in the mid 1990's. There are potentially some internal collection system issues within this sewershed, however at this time, mapping and CCTV work is still under way in compliance with the Penn Hills Consent Order with the PADEP and ACHD and determinations for those areas will be determined upon completion.

Lead Municipality:

Municipality of Penn Hills

Lead Alternatives:

Proposed projects in this sewershed include the following:

- No Alternative Required:
Design Conditions: 10-Year Storm, Summer
Preliminary Total Capital Costs : \$0
Future POC Flow Requirements: 7.7 MGD

Additional Options Being Explored:

- Rerouting flow from Lougeay Road Pump Station to Rodi Road Interceptor and connection of portions of flow from Churchill and/or Wilkins Township currently flowing to TR-04 to the Rodi Road Interceptor if agreements are reached between the parties.
- Optimization of the three equalization tanks to reduce downstream impacts.

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 contributing municipalities encourage any dialogue or questions you may have regarding any of the planning information included herein related to the T-04-02 Draft POC Feasibility Study Submittal.

Sincerely,
Municipality of Penn Hills



Anthony DeLuca, Jr.,
Municipality of Penn Hills Mayor

Enclosure

cc: Penn Hills Municipal Council
Craig Alexander, Penn Hills Solicitor, Bruce Dice and Associates
Mohammed Rayan, Penn Hills Municipal Manager
Tom O'Grady, Director Water Pollution Control
Richard D. Minsterman, P.E., Penn Hills Municipal Engineer
Michael Skinner, P.E., Project Manager, Municipality of Penn Hills, The Gateway Engineers, Inc.
Wilkins Township Council
Wilkins Township Solicitor
Rebecca Bradley, Wilkins Township Manager
Robert Arnold, P.E., Borough Engineer, Chester Engineers
Arletta Scott-Williams, Executive Director, ALCOSAN
Mike Lichte, Manager of Planning, ALCOSAN
Jan Oliver, Director of Regional Conveyance, ALCOSAN