



Chronological Summary of Administrative Orders Activities Leading to Current Status

AO UPDATE PRESENTATION TO CITY COUNCIL,
PUBLIC WORKS COMMITTEE 6/27/18


AO Administrative Orders

- ▶ 2007 – EPA issues Administrative Order (AO) addressing Sanitary Sewer Overflows (SSOs) at Outfall 003 at Kline's Island Waste Water Treatment Plant (KIWWTP).
- ▶ 2009 – EPA issues AO to all Sewer Signatories addressing SSOs system wide. This AO had a compliance date of 12/31/14 which was not met.




2/10/16 - EPA grants an extension to 12/31/17 at which time a compliance plan is to be submitted.

6/14/17 – Meeting is held with EPA, PaDEP, the City, and LCA in which City provides a presentation of development of its plan to utilize blending at KIWWTP and provides the technical, environmental, and economic justifications for this approach. Costs of the capital improvements are estimated to be **\$25 M.**




8/8/17- City sends letter noting there was no follow up by EPA to the June meeting and reiterating the City's intent to proceed with blending.

“At the meeting we discussed the fact that Outfall #003 has only been triggered twice in the last five years due to wet weather causes. As such, we would encourage EPA to seriously consider withdrawal of the AOs...”




11/2/17 - letter from EPA cited a review of semi-annual reports submitted by the parties, other reports, the June presentation, and substantial progress made including the fact that there were only 2 SSOs at Outfall 003 in 5 years. Rather than spending millions of dollars on capital improvements at KIWWTP:

“We think it would be more prudent to maintain the focus on critical collection system rehabilitation and maintenance.”




11/22/17 – City responds to the 11/2/17 EPA letter extending appreciation of EPA's acknowledgement of the significant progress, but notes the 12/31/17 deadline can't be met for any alternative but blending and therefore the deadline for submission should be extended.

12/12/17 – EPA sends letter agreeing to provide an extension and suggesting a meeting be held in January 2018.



1/8/17- The City responds to EPA's 12/12/17 letter agreeing that a meeting is necessary. The City requests that EPA provide a presentation at the meeting and lists seven (7) areas of concern associated with the change in approach suggested by EPA.

2/14/18 – A meeting is confirmed for 3/23/18 to be held at LCA between EPA, PaDEP, the City, LCA, and the Sewer Signatories.




3/23/18 – Following introductions, EPA unexpectedly announces that EPA intends to “**disengage**” from the **AO process** and the continued review and oversight of subsequent programs and regulatory obligations would become PaDEP’s responsibility.

This transition would be contingent upon submission of a Regional Flow Management Strategy (RFMS) which would need to be accepted by EPA. EPA wants the RFMS to evidence regional cooperation and collaboration.

“Prove to us that you can work together.”


–Mr. David McGuigan, Associate Director, US EPA, Region III



4/3/18 - EPA sends follow-up letter, giving the parties **120 days** to develop, organize, coordinate, and deliver the Regional Flow Management Strategy to EPA by 8/1/18.

“As agreed at the meeting, EPA looks forward to the submission of a regional flow management strategy to be developed in collaboration by all the signatories.

The submission will assist EPA in **determining the obligations of the administrative orders as met.**”



4/4/18 - AO Technical Advisory Group consisting of representatives from the City, LCA, and their consultants meet to begin structuring the RFMS and its components.

4/10/18 - Meeting held with City, LCA, and Sewer Signatories to review initial drafts, discuss what each of the RFMS elements should include, develop time table for deliverables, etc.

Kline's Island Sewer System Regional Flow Management Strategy

City of Allentown
Lehigh County Authority
South Whitehall Township
Coplay-Whitehall Sewer Authority
Salisbury Township
Borough of Emmaus
Hanover Township (Lehigh County)
Lower Macungie Township
Borough of Alburtis
Borough of Macungie
Upper Macungie Township
Lowhill Township
Weisenburg Township
Upper Milford Township

August 1, 2018

Kline's Island Sewer System Regional Flow Management Strategy

- Collection System Operation and Maintenance
- System Characterization
- Inflow and Infiltration Removal
- Flow Monitoring

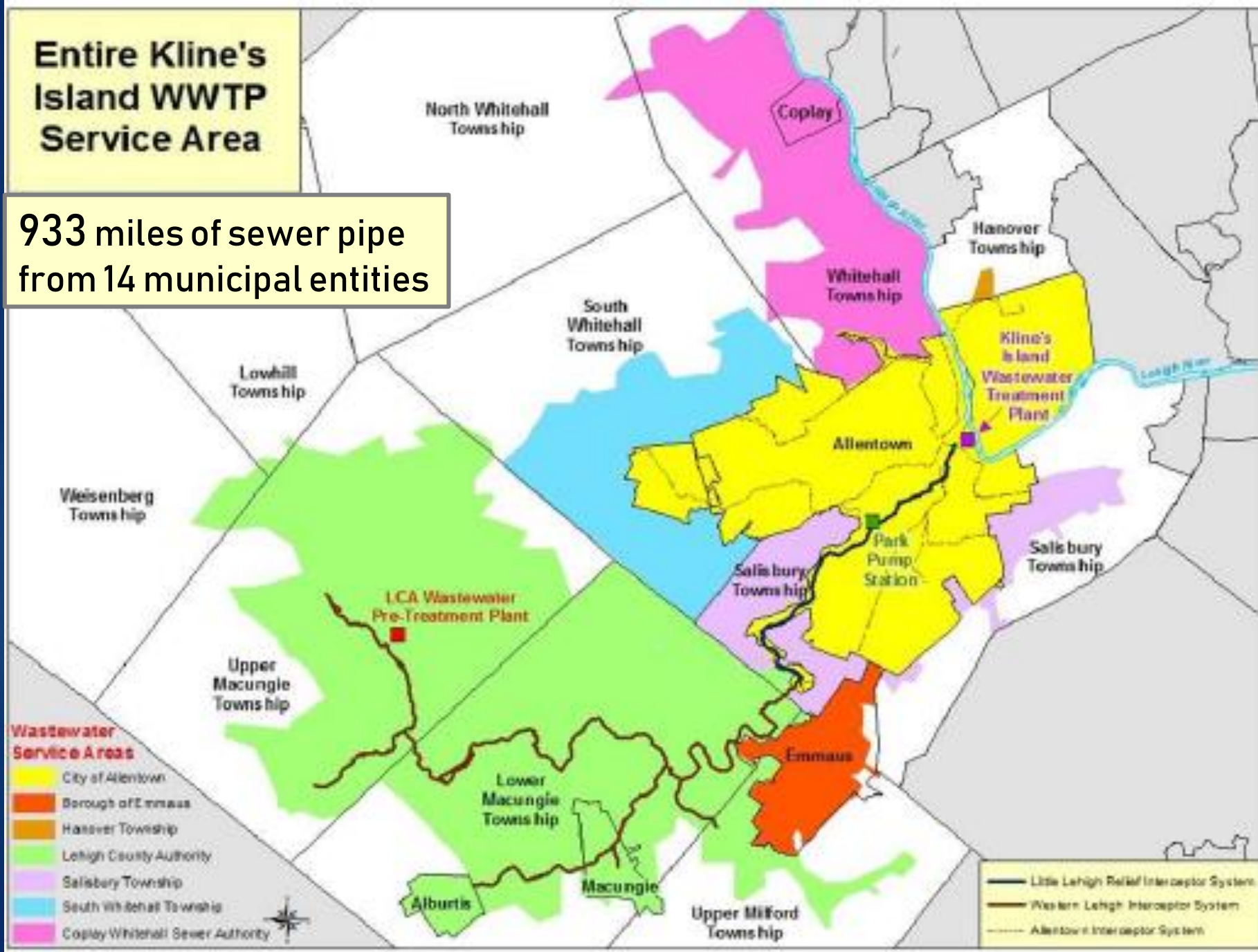
Regional Flow Management Strategy Submission



- Describes attributes of each contributor
- Discusses regional flow monitoring and system characterization planning
- Letter from each of the listed parties agreeing to their commitment to the RFMS
- Copy of each party's O&M manual for their system
- Copy of each party's Source Reduction Plan (SRP) to address I&I within their system.

Entire Kline's Island WWTP Service Area

933 miles of sewer pipe from 14 municipal entities



Physical Inventory & Attributes

SIGNATORY	Total Miles of Sewer	Percentage of Total
Allentown	285	30.55%
Copley Whitehall	125	13.40%
Lower Macungie	123	13.18%
South Whitehall	118	12.65%
Upper Macungie	117	12.54%
Salisbury	69	7.40%
Emmaus	45	4.82%
LCA	18	1.93%
Macungie	11	1.18%
Alburis	8	0.86%
Upper Milford	8	0.86%
Weisenburg	4	0.43%
Hanover	1.8	0.19%
Lowhill	0.2	0.02%

On the Horizon

All parties have been working cooperatively; intermediate delivery targets are being met; submission **deadline will be met.**

Await response from EPA; possible request for additional information.

Assuming EPA is satisfied with RFMS and oversight is transferred to PaDEP:

- Legal documents will need to be developed
- Schedule meeting with PaDEP

Key Points:

Benefits

1. The Administrative Orders will be withdrawn.
2. The capital costs for addressing the SSOs will be significantly reduced for all parties. For example, under the original plan, the costs of Allentown's share of capital improvements at KIWWTP and conveyance system upgrades were estimated **at \$17.7M**. Although still under review, I&I remediation efforts under the SRP will range from **\$3-5M** over essentially the same time frame.
3. The time, effort, and costs of staff and consultants will be significantly reduced.

Key Points:

Risk:

1. The Risk is that parties will not maintain efforts and we will potentially be faced with a new Administrative Order or PaDEP can impose restrictions on development and/or increased flows to the collection system.

Success of the Program



Key to the success of EPA's proposed approach is continued diligence to maintenance of the collection systems and undertaking necessary capital improvements in a timely manner and balancing those efforts to accommodate growth. More rigorous flow monitoring, including flows during wet weather events, collection system characterization, and regularly scheduled meetings to review everyone's efforts are cornerstones for tracking progress.



Questions?