

MSANK Wet Weather Management Program

November 2010 Newsletter

Administrative Order for Compliance (AOC) Update

Survey and Inspection Program & CCTV

MSANK completed its 17 week program of manhole inspections in early July 2010. A total of 1,533 sanitary or combined system manholes were inspected, photographed, and compiled into report format as a result of this investigation. An additional 143 manholes were visited for inspection but were either unable to be located in the field, located but could not be opened, or determined to have been previously abandoned. The subsequent CCTV inspection program revealed an additional 22 manholes within the system that are currently in the process of being inspected. The manhole inspection program included the inventory of catch basins within the combined sewer system. HMM noted 673 such catch basins and collected their locations via GPS and subsequently added them into the Geographic Information System (GIS).

Upon completion of the manhole inspection program, CCTV inspection is conducted on those sewers meeting certain size criteria as defined in the AOC (10" or larger sewers for separate sewer systems and 15" or larger for combined sanitary and storm water systems). The CCTV is nearly complete. As part of the CCTV inspections, MSANK is conducting heavy cleaning on sewers that were obstructed with excessive sediment and debris.

Community News

The Plum Borough Municipal Authority has been informed by the DEP that they may award the contract to replace a portion of the Logans Ferry sanitary sewer system. The award of the contract should occur at the Authority's next meeting. The low bidder on the project was Kukurin Contracting, Inc., with a bid of \$373,373.00.



In the News

MSANK's ongoing AOC work was recently highlighted in an issue of Valley News Dispatch on November 4, 2010. The article can be found on the newspaper's website at <http://www.pittsburghlive.com>. Simply search for Municipal Sanitary Authority of New Kensington. The article discusses the latest developments in the AOC, as well as the details of submitting the plan by September 2014.

Mapping of pipes to target overflow

Next step set to handle untreated sewage in rain

MUNICIPAL SANITARY AUTHORITY OF NEW KENSINGTON

Near-Term Project Deadlines

Activity	Due Date
Stage I - Mapping and Sewer System Investigation	
Nine Minimum Control Report	2/12/2010
Develop Public Participation Plan	6/10/2010
Physical Survey and Inspection of the Sewer Systems	12/10/2010
Cleaning and Closed Circuit TV Inspection	12/10/2010
Sewer System Dye and Smoke Testing	12/10/2010
Stage I Mapping and Investigation Report	12/10/2010
Sewer Systems Urgent Deficiency Corrections	6/15/2011
Flow & CSO Pollutant Monitoring	
Develop Work Plan and Procurement & Installation of Equipment	9/11/2011
Complete Flow & CSO Pollutant Monitoring	9/11/2012
Hydraulic and Hydrologic Modeling	
Develop Work Plan	5/11/2012
Complete Sewer System Model	3/11/2013
Stage II Regional Wet Weather Planning	
Submit Regional Long Term Control Plan	9/11/2014

Phase 1 Construction Complete

MSANK has completed Phase 1 upgrades to the wastewater treatment plant (WWTP). Construction began in November 2007 and the new facilities are now fully operational.



The new pump station, pictured left and below, houses raw sewage screening equipment (pictured below, far right), compaction and conveyor equipment (pictured below, far left), and pumping motor control center (below, middle right), in addition to wastewater containment wells where raw sewage enters the pumping station. Skylights in the roof (pictured below, middle left) serve to aid natural lighting of the space, however, their primary purpose is for access for potential future maintenance of the bar screens. Although the new pump station building appears like a one-story structure from street level, it is four stories deep underground.



The new grit facility, pictured to the right, separates inorganic solids from the waste stream. The grit building (far right) is a one-story structure that contains a basement that houses grit pumps (near right) that transfer separated solid material onto a conveyor for further handling. Once the solids are separated from the wastewater, the partially treated flow (see waterfall-like image to right) undergoes several more treatment steps before it is acceptable for final discharge.



November Public Meeting

MSANK held a public meeting on November 3rd to update the public on the development of the watershed Long Term Control Plan. Approximately 20 people were in attendance for the meeting which discussed, among other topics, the progress of the ongoing survey and inspection program.

Questions? Comments? Please contact:
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