

cc: Council  
Mayor  
Manager  
Engineer  
Solicitor  
Police Chief  
Public Service Coordinator

Borough of Jefferson Hills  
Special Meeting of Council  
July 9, 2007

The special meeting of Council was called to order by Vice President Kulish at 6:30 p.m. in the Municipal Center, 925 Old Clairton Road. Following the Pledge of Allegiance, Council Members King, Kulish, Oskin, and Serapiglia answered to roll call. Engineer Omer, Interim Manager Arndt, and Public Service Coordinator McVicker were also present. Mr. Militzer arrived at 7:00 p.m. Mayor Green, Council Members Cmar and Weir, Solicitor Brimmeier, and Police Chief Reagan were absent.

John Mowry and Kemal Niksic of KLH Engineers gave a presentation on the Clairton Municipal Authority's Combined Sewer Overflow Long-Term Control Plan. They distributed handouts to Council, which in part consisted of the following information:

### **EPA's LONG TERM CONTROL PLAN 9 REQUIREMENT**

- Characterization, monitoring and modeling
- Public participation
- Consideration of sensitive areas
- Evaluation of alternatives
- Cost/performance considerations
- Operational plan
- maximization of treatment at the existing POTW
- Implementation schedule
- Post-construction compliance monitoring program

### **CMA LONG TERM CONTROL PLAN Characterization, Monitoring and Modeling of the CSS**

- 25 subdrainage areas delineated in the City of Clairton CSS system
- 3 main interceptors to the WWTP in the city of Clairton
  - West Clairton Interceptor
  - East Clairton Interceptor
  - Wilson Interceptor
- Several drainage areas outside of the city of Clairton within Jefferson Hills and Finleyville Borough, and Union, Peters, Nottingham and South Park Townships
- Peters Creek Interceptor conveys flow from the outside communities

### **CMA WET WEATHER FLOW MANAGEMENT**

- All the flow from Peters Creek Interceptor watershed must be conveyed to the WWTP for treatment (peak flow 20 mgd)
- All the flow from the City of Clairton must be conveyed to the five permitted CSO structures
- The five permitted CSO structures shall be upgraded to allow for capture at minimum 350% of average dry weather flow

- All non-permitted CSO and dry weather overflow must be eliminated
- WWTP must be upgraded to accept and provide full treatment for up to 28.6 mgd (minimum 8.6 mgd from the City of Clairton and 20 mgd from Peters Creek Interceptor)

**PROPOSED WWTP UPGRADE  
ALTERNATIVE 1**

- Upgrade existing treatment plant process to treat up to 9 mgd. (Primary clarifiers, existing system improvements)
- Construct an 8 mgd detention tank to retain wet weather flow in excess of 12 mgd from Peters Creek Interceptor
- New 20.6 mgd headworks building
- Construct new 12 mgd Sequential Batch Reactors (SBRs)
- Solids handling
- UltraViolet (UV) Disinfection for all the flow (20.6 mgd)
- Electrical Improvements: SCADA
- Cost Estimate - M\$48.56

**PROPOSED WWTP UPGRADE  
ALTERNATIVE 2**

- All the projected peak flow (up to 28.6 mgd) convey to the WWTP
- New 28.6 mgd headworks building
- Upgrade existing plant to handle up to 8.6 mgd
- New SBR units for up to 12 mgd
- Wet weather flow in excess of 20.6 mgd (8 mgd) convey through new high density clarification units with a high degree of solids and organic removal
- Blend treated flow from all the treatment units and disinfect
- New UV disinfection unit (28.6 mgd)
- Solids handling
- Electrical improvements: SCADA
- Cost Estimate - M\$33

**WWTP UPGRADE  
ALTERNATIVES' ADVANTAGES**

Alternative 1

- Provide full biological treatment for all the flow collected within the system

Alternative 2

- Cost advantage
- Space requirements
- Ability to upgrade for future growth

Mr. Mowry requested Council adopt a resolution to conceptually agree to the Jefferson Hills current flows. Ms. Omer advised the current Jefferson Hills flows were provided to CMA by Gateway Engineers Inc., for the plan, as well as future growth information. Mr. Mowry reported growth information is not included in this report, but will be in another document.

Mr. Mowry advised Clairton has already approved of the concept and Peters advised an approval resolution will be considered at it's August meeting. Jefferson Hills Borough is requested to approve the plan in the near future.

Mr. Militzer adjourned the meeting at 7:28 p.m. on motion by Dr. Kulish, seconded by Mr. King and carried unanimously.

Sandra J. Mortle  
Secretary/Treasurer