

**EPA and MassDEP MEETING**  
**Mass DEP**  
**8 Bond St., Worcester, MA**  
**1:00 PM**  
**October 19, 2017**  
**MINUTES OF MEETING**

Attendants: See attached Sign-in Sheet.

Meeting minutes for 10/19/17 @ Mass DEP 8 New Bond St. Worcester, Ma.

Meeting called to order @ 1:00 pm

Present, Frank White, Larry Dufault, James LaPlante, ( Spencer) David Boyer, Ning Chen (Mass Dep) Ellen Weiltzer, Robin Johnson, EPA Claire Golden DEP VIA conference call

The following discussions took place:

Mass EPA In anticipation of the release of a draft permit needed project timelines so that the Permit language would coincide with projected SSES/CWMP project timeline, along with timelines for the design and build phases for Collections rehabilitation, and Treatment Plant upgrades. Wright Pierce supplied projected timeline information. EPA also wants to conduct afford ability study to assess impact on user fees and rates.

**(Please note these are projected timelines)**

***Project Year 2017***

*2017 - Begin I/I and SSES Study in October 2017.*

*2017 - Begin CWMP in October 2017. The CWMP will include an inventory and review of current operations and performance of equipment (mechanical and electrical) and assets (facility structures & systems ; determine useful life of equipment; evaluate individual WWTP processes (headworks, septage receiving, grit, pump station, aeration, clarification, WAS and RAS pumping systems, etc.); identify plant improvements and process upgrades required to comply with Permit requirements (flow, TP Nitrogen, Aluminum & Copper) and maintain facilities; develop priority list of equipment and process maintenance, repair, replacement or upgrade requirements; develop annual capital improvement program to address priority list; and develop/implement annual capital improvements schedule.*

*2017-2018 EPA/MassDEP issues Permit Renewal for Spencer WWTP.*

***Project Year 2018***

*2018 - I/I and SSES Study scheduled to be completed and submitted by Wright-Pierce, on behalf of the BOSC to MassDEP by October 2018.*

*2018 - CWMP scheduled to be completed and submitted by Wright-Pierce, on behalf of the BOSC to MassDEP by December 2018.*

***Project Year 2019***

*2019 - Based on results of I/I and SSES Study, BOSC will procure funding in 2019 for and have developed Contract Document for Sewer System Rehabilitation Construction Project.*

*2019 - Based on Sewer System Rehabilitation Construction Contract Documents and estimated cost of construction BOSC will submit PEF Forms for the 2020 State Revolving Fund Projects in August 2019.*

2019 - 2022 Based on results of CWMP, the following list of known WWTP deficiencies and anticipated NPDES Permit requirements the BOSC will procure funding in 2019 for & begin developing Contract Documents for WWTP Upgrade/Improvements Construction Project implementing recommendations from CWMP which address, as minimum fiscal sustainability, cost & effectiveness, energy conservation, renewable energy and the following WWTP upgrades/replacements improvements:

- 1986 Solids Handling Building & headworks roofing, electrical, lighting, mechanical and facility improvements.
- 1986 Solid Handling Building sludge thickening process equipment, pumping and polymer system improvements.
- 1986 Solids Handling Building pump room pumping and plant water equipment and piping improvements.
- 1986 Solids Handling Building chemical handling, storage, piping and pumping system improvements/upgrades.
- Repurpose 2 existing 1920 rectangular clarifiers for septage receiving complete with receiving, fine screening dewatering/compaction, septage pumping and waste sludge pumping.
- 1971 Control Building electrical, lighting, mechanical and facility improvements.
- 1971 Control Building pump room pumping equipment and piping improvements.
- 1971 Aeration Basins structural and process (aeration piping modification, anoxic zone, mixing and recycle for P and TN removal) modifications.
- 1986 Solids Handling Building incoming service, switchgear, motor control systems & emergency generator upgrade.
- Remove/replace 1986 Influent Screw Pumps structure with new Influent Wet/Dry Well Pump Station with fine screen headworks, grit removal and chemical addition.
- 1986 Chemical Manhole chemical addition and piping improvements
- 1986 Rapid Mix/Splitter Box mixing improvements.
- Clarification improvements by adding a second 60' +/- diameter covered final clarifier.
- Construct tertiary treatment for P, TN, aluminum and copper removal.
- Relocate effluent flow meter & UV Chamber system & UV Building from Cranberry Brook to the end of Tertiary Treatment.
- Relocate effluent outfall from Cranberry Brook to Seven Mile River. Construct new outfall structure after UV system into the Seven Mile River.
- Abandon and repurpose wetland area berms, roadway and potentially wetland area for renewable energy solar array project.

### **Project Year 2020**

*2020 - Based on a favorable rating and available SRF Funding the Spencer Sewer Commission will procure funding and submit an SRF Application in 2020 for Sewer System Rehabilitation Construction Project.*

*2020 - Based upon MassDEP approval of Sewer System Rehabilitation Contract Documents and approval to Bid and Bidder, start Rehabilitation Construction Project.*

*2020 - Developing Contract Documents for WWTP Upgrade/Improvements.*

### **Project Year 2021**

*2021 – Complete Sewer System Rehabilitation Construction Project and SRF Grant Closeout.*

*2021 - Developing Contract Documents for WWTP Upgrade/Improvements.*

*2021 - Based on the WWTP Upgrade Construction Contract Documents and an estimated cost of construction the BOSC will submit PEF Forms for the 2022 State Revolving Fund Projects in August 2021.*

### **Project Year 2022**

*2022 – Complete Contract Documents for WWTP Upgrade/Improvements.*

*2022 - Based on a favorable rating and available SRF Funding the Spencer Sewer Commission will procure funding and submit an SRF Application in 2022 for WWTP Upgrade Construction Project.*

### **Project Years 2023 thru 2026**

*2023 - Based upon MassDEP approval of WWTP Upgrade Contract Documents and approval to Bid and Bidder, start WWTP Upgrade Construction Project. Due to WWTP process replacements and improvements, portions of the construction will be phased (replacement of influent pump station, aeration basin modifications, pump & piping improvements, chemical systems, electrical service & switchgear, etc.). That said, other process (emergency generation, septage receiving, new clarifier, tertiary treatment and new outfall, repurposing of wetlands, etc.) can be constructed and implemented independently with minor disruptions to existing processes during tie-ins.*

*End of 2026 – Complete WWTP Upgrade Construction Project and SRF Grant Closeout.*

### **(Please note these are projected timelines)**

Funding: Due to small user base and current debt schedule of Spencer Sewer Dept. Mass EPA will conduct an affordability study, with the assistance from the Town of Spencer, and Wright Pierce Engineering.

Meeting was adjourned at 2:30 pm

*The Board of Sewer Commissioners voted and approved minutes on 11/15/2017*