

# METROPOLITAN WATER POLLUTION ABATEMENT ADVISORY COMMITTEE

## Meeting Summary

Tukwila Community Center  
Tukwila, WA

Wednesday, February 28, 2018

10:00 to  
11:30 a.m.

### 1. MWWPAAC Chair's Report – Pam Carter

- a. Welcome and Introductions
- b. Determine Quorum
- c. Report Out from Executive Board Retreat
- d. Report Out from Feb. 7 RWQC meeting
- e. Approval of January Meeting Summary (**action item**)

Everyone introduced themselves.

A quorum was in attendance. A correction was requested in the January meeting summary and the summary was approved as corrected.

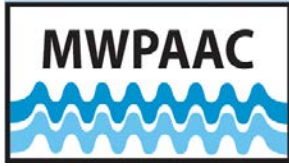
Pam provided a summary of the Executive Board Retreat that was held on Jan. 26.

- Mark Isaacson, WTD Division Director shared information on the following priorities:
  - Investing in employees
  - The importance of building strong, positive partnerships, and making sure the Operating Board is up and running in 2019/2020
  - Earning the public trust every day
- Topics the Board discussed included:
  - Regional Negotiations Work in 2018
    - MWWPAAC's regional negotiations representatives are working through the draft contract section by section and will be developing a schedule to share proposed contract language with other member agencies.
    - There will be information at a future MWWPAAC meeting this year on the purpose and function of Operating Board, and governance language in the contract.
  - MWWPAAC Work Plan
    - Some of the items on the work plan for this year include: rate development process, strategic asset management plan update, Infiltration and Inflow program update, systemwide plan, and Portfolio Management process.
    - The Executive Board has been discussing several options for the July tour.

Pam reported on the Feb. 7 RWQC meeting.

- Councilmember John Wright, Lake Forest Park, was re-elected as Vice Chair of RWQC.
- Mark Isaacson provided a WTD Director's Update noting it was the same as the January report to MWWPAAC.
- WTD reported on the West Point Half-Century Assessment and Evaluation of the Strategic Asset Management Plan both of which were presented to MWWPAAC in Dec. 2017.
- Review of the 2018 RWQC Draft Work Plan.

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- At the March 7 RWQC, WTD will be providing a briefing on Systemwide Planning, the West Point Implementation Plan/AECOM recommendations, and Capital Projects.

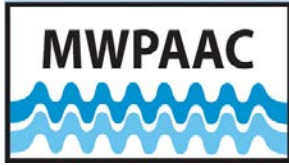
## 2. Wastewater Treatment Division Director's Report – Mark Isaacson, Division Director, Wastewater Treatment Division (WTD)

Mark Isaacson reported on the following items in the Director's Report.

### West Point Water Quality Monitoring Report

- This report was emailed out to MWWPAAC members on Feb. 15.
- Report covers effluent and receiving water monitoring results from February 9 through June 30, 2017.
- We monitored high-use public beaches for fecal indicator bacteria (both fecal coliforms and Enterococcus) at four beaches in the vicinity of the emergency bypass outfall (EBO) within hours after the February 9 flooding event.
- Three locations at each beach were sampled at Carkeek Park, Golden Gardens, and each of the two West Point beaches.
- All four beaches are typically monitored monthly as part of King County's routine water quality monitoring program.
- Samples were collected from the four beaches for 13 days and sampling ended on February 21 because bacteria levels had returned to typical values after several days.
- Typically, King County monitors marine water quality at a total of 38 routine stations in the Central Basin of Puget Sound.
- This includes 12 offshore sites (an additional two shoreline stations in Quartermaster Harbor and four in the Duwamish River estuary) and 20 beach locations.
- This monitoring is part of a long-term program to better understand water quality within the Puget Sound Central Basin.
- Offshore locations are typically sampled every two weeks.
- During the West Point restoration period, monitoring of Puget Sound waters was expanded beyond these existing efforts.
- Examples of the additional monitoring include:
  - Increasing the sampling to weekly at a subset of four offshore long-term monitoring stations based upon their proximity to the West Point outfall and availability of historical data,
  - Adding a new offshore monitoring location near the emergency bypass outfall (EBO) and monitoring weekly, and
  - Increasing the bacteria sampling frequency to weekly at a subset of six beach locations based on proximity to the West Point outfall and availability of historical data.
- We also sampled marine sediments and organism tissues near West Point to identify potential adverse effects to organisms that live in the sediments and the water column.
- Results from these sampling efforts were not available for the report, but will be available in at a later date.

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- During the monitoring period, measurements met applicable water quality standards throughout the monitoring period, with the minor exception of bacteria and dissolved oxygen at a couple of sites in June due to natural seasonal conditions.

### Industrial Waste Fees Briefing Coming Up in March

- Mark Henley, our new Industrial Waste Program Manager, will be here at full MWWPAAC in March to update the committee on proposed changes to Industrial Waste Fees.
- Program staff met with industrial waste customers to get their input.
- The current fee structure has been in place for many years although the types of industrial waste customers discharging into the regional system have changed over time.
- We are proposing to streamline the fee structure by creating fee tiers and categories that accurately reflects the different types of industrial customers we have in our system today.
- We are proposing a fee structure that is revenue-neutral and based on actual costs.
- Our staff looks forward to talking with MWWPAAC more about this.

### South Magnolia Combined Sewer Overflow (CSO) Repair Work

- Activity at the South Magnolia CSO site is picking up.
- WTD's contractor is going to a 24-hour per day schedule for excavation in preparation for repairing the damaged conveyance line that carries flows to the Magnolia Combined Sewer Overflow storage facility.
- The contractor is taking steps to minimize impacts. (For example, soils will be stored on site until daytime before being hauled off site.)
- Activities are also ramping up as contractors extend hours in preparation of pipeline pull-back.
- The contractor will deliver and assemble pipe sections along 32nd Avenue West in Seattle.
- To reduce impacts to residents, the pipe sections will be stored at the Port of Seattle before assembly.
- The pipe bursting and pull process is expected to last 2-4 days and is scheduled for early April.

### Georgetown Wet Weather Treatment Station Groundbreaking

- The Georgetown Wet Weather Treatment Station will help avoid overflows of untreated stormwater and sewage into the Duwamish River during heavy rains.
- King County designed the facility to treat up to 70 million gallons per day.
- March 1 is the groundbreaking for construction and Flatiron West, our contractor, will begin their work on the treatment facility.
- The conveyance (pipes) and outfall structure are under separate contracts.

### **3. Implementation Plan on AECOM Recommendations & Ecology's Administrative Order, Bruce Kessler, Acting Project Planning and Delivery Section Manager, WTD**

Bruce Kessler reported on the implementation plan on AECOM Recommendations and Ecology's Administrative Order.

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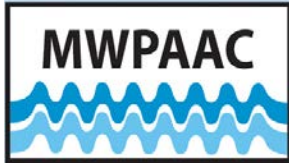
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The AECOM Report was completed July 2017 with 98 recommendations to prevent or minimize effects of flooding

- Recommendations fall into four categories:
  - Implementation of a Life Safety Management System
  - Improved emergency training
  - Evaluation of operational constraints and improve redundancy
  - Implementation of capital projects
    - Prioritize within WTD's Six-Year Capital Improvement Plan (CIP)
- The status of the AECOM Recommendations
  - Completed/Ongoing - 27
  - In Progress - 56
  - Not Incorporated - 15
  - Total - 98
- Life Safety Management – 30 of the 98 recommendations relate to life safety
  - Life Safety Coordinator hired at West Point
  - Timeline – to complete initial evaluation mid-2018
  - Launch at other plants 2020
  - Management of Change (MOC) Processes developed
  - West Point Life Safety Areas – included identification of high/low risk flood areas
- Improved Emergency Training
  - Improvements to emergency/wet weather response procedures
    - Expanded scope and increased frequency of emergency training
    - Updated existing standard operating procedures
    - Re-prioritization of control system alarms
    - Implementing hydraulic simulation program
- Evaluation of operational constraints and improve redundancy
  - Two high priority evaluations in progress
  - Resolve existing hydraulic constraint by expanding capacity of raw sewage pumps
  - Construct an emergency bypass weir to mitigate or avoid future flooding
  - Upgrade of power monitoring system
  - Evaluating utility power reliability improvements
- Implementation of Capital Projects
  - Some recommendations require a capital project to implement
  - These projects are being weighed and prioritized against other capital improvement projects
    - Combined sewer overflow (CSOs)
    - Capacity improvements to serve growth
    - Asset Management
    - Seismic resiliency
- Ecology's Administrative Order
  - Issued Nov. 15, 2017
  - Total of six corrective actions (first 5 addressed in AECOM Report)
    - Add redundancy to effluent pump discharge valves
    - Improve alarm prioritization and critical alarm visibility
    - Evaluate plant constraints and redundancy
    - Implement emergency operations training program
    - Review and redevelop operator existing training programs
    - Collect representative raw sewage samples at influent control structure

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## **Meeting Summary**

### **4. Subcommittee Reports**

#### **February 1, 2018, Rates & Finance:**

- Preliminary 2017 Financial Performance
- 2019-2020 Sewer Rate: review rate assumptions and draft operating budget
- Water Infrastructure Finance & Innovation Act (WIFIA) Loan Update

#### **February 1, 2018, Engineering and Planning:**

- I/I Program Update: Status of Evaluating I/I Concepts
- Treatment Plant Flows and Loads Study (scope of work and schedule)
- Ecology's Effort on Puget Sound Nutrient Reduction Implementation Project (schedule and general information)

### **5. General Announcements**

None.

The meeting was adjourned at 11:30 a.m.