



# **METROPOLITAN WATER POLLUTION ABATEMENT ADVISORY COMMITTEE**

## **Meeting Summary**

**Tukwila Community Center,  
Banquet A-B, Tukwila, WA**

**Wednesday, August 22, 2018**

**Start 10 a.m.  
Adjourned 11:30 a.m.**

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

- Welcome and Introductions
- Determine Quorum
- Approval of April, May and June Meeting Summaries (action item)

Everyone introduced themselves.

A quorum was in attendance and the April, May, and June meeting summaries were approved as written.

Pam reported that there had been no Regional Water Quality Committee meetings since June and while there will be one on September 5, the committee likely will not meet in October or November while the Council works on the budget.

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

Mark Isaacson, Division Director, began his report by thanking the member utilities for the 24/7 operations they provide.

Mark shared a video on the HaloLens, a partnership with Microsoft that is designed to complement the current operations training curriculum through augmented reality tools with the intent that it could make training and operation/maintaining complex wastewater equipment significantly easier, more accessible and improve response capabilities during a storm event. Members asked for a link to the video and for an onsite demonstration at some point in the future.

Mark also reported on the following items:

#### Ecology Penalties

On Aug. 7, the Washington State Department of Ecology announced its decision to issue \$118,500 in monetary penalties against King County for water quality permit violations that occurred in 2016 through Q1 2017. Many of the violations occurred during a period of exceptionally heavy rainfall between January and March 2017. The two penalties involve discharges that entered Puget Sound, the Duwamish River, Elliott Bay and Lake Washington. King County exceeded pollutant limits 27 times at three of its four special wastewater plants for CSO discharges. The county also reported five unpermitted overflows from four other locations during the same period. WTD is already taking a number of actions to correct issues that led to the penalties, the majority of which are associated with the Elliott West Combined Sewer Overflow Treatment Plant that operates under West Point's water quality permit.

**Next MWWPAAC General Meeting is September 26, 2018, at Tukwila Community Center, Tukwila, WA**



# METROPOLITAN WATER POLLUTION ABATEMENT ADVISORY COMMITTEE

## Meeting Summary

### Industrial Waste Fees Ordinance

Councilmember Balducci agreed to sponsor the proposed industrial waste fees ordinance (2018-0246) that will streamline the fee structure to a tiered-system using a cost-of-service model. The ordinance is scheduled for discussion and potential action today (Aug. 22) by the Budget and Fiscal Management Committee.

### Contractor Accidentally Damaged Gas Line at Sunset-Heathfield Pump Station

A contractor working on the King County Wastewater Treatment Division's Sunset-Heathfield Pump Station and Force Main Upgrade Project in Bellevue accidentally damaged a 2-inch Puget Sound Energy (PSE) gas line on Aug. 9 while installing new pipes along SE 35th Place. The police and fire department were alerted and dispatched to the site but left a short time after PSE repair crews arrived to repair it. City of Bellevue staff were also notified of the event.

### Rural Forest Commission Briefed on WTD's Recycled Products

On July 19, Resource Recovery staff briefed King County's Rural Forest Commission on WTD's products that can be used in forestry: Loop® Biosolids and Recycled Water. The Rural Forest Commission is an advisory group of 13 volunteer members who represent a variety of rural forest interests and advise the County Executive and Council on policies and programs affecting rural forests.

### RainWise Ribbon-Cutting and Outreach

On July 15, RainWise Program staff attended a ribbon-cutting ceremony to celebrate the installation of a rain garden and cistern at St. Benedict Parish in Wallingford.

### Systemwide Plan Update

As you have heard, King County is developing a systemwide comprehensive plan so that we make the right investments at the right time. The current focus is on procuring consultant services to support utility planning and regional engagement efforts associated with the planning process. Consultant procurement is expected to be complete in August. Additional briefings to MWWPAAC are expected as the process gets underway.

## **3. Subcommittee Reports**

### **August 2, 2018, Rates & Finance:**

- WaterWorks Grant Report Out

### **August 2, 2018, Engineering and Planning:**

- WaterWorks Grant Report Out
- I/I Program Update: E&P Recommendation Development

**Next MWWPAAC General Meeting is September 26, 2018, at Tukwila Community Center, Tukwila, WA**



# METROPOLITAN WATER POLLUTION ABATEMENT ADVISORY COMMITTEE

## Meeting Summary

### 4. **Regional Negotiations Team Update**, Regional Negotiations Team Member

Ron Speer, Soos Creek Water and Sewer District provided the Regional Negotiations Team update. Ron provided an update on recycled water (reuse) discussions that include Cascade Water and members of Regional Negotiations Team. He stressed that it is a big subject, requiring coordinated plans as there is no statewide authority for water reuse. He also noted that none of 'us' (the utilities) are going to get everything we want. He emphasized, the group is working for ratepayers.

Ron reported the next Regional Negotiations Team meeting will include discussions on how to share the new contract sections. It's a component agency contract and Ron commended the County for having a bilateral contract that is best for the region. He asked for input as to how members would like to receive the contract sections. In response, members asked for a summary document that described the history and contract changes. The MWPAAC Executive Board will also provide input to the summary.

Pam Carter thanked the team for their work.

### 5. **Capital Projects Update**, Crystal Fleet, Project Management Supervisor, WTD

Crystal Fleet provided a capital projects update that included updates on the following projects:

1. Georgetown Wet Weather Treatment Station
  - **Objective:** Control Brandon and South Michigan Street Outfalls within EPA and DOE Consent Decree requirements
  - **Scope:** 66 MGD Peak Flow CSO Treatment and Conveyance Facility
  - **Status:** 4 separate construction contracts underway
  - **Schedule:** Substantial Completion early 2022
  - **Total Project Cost:** \$241 Million
2. Sunset/Heathfield Pump Station Upgrade
  - **Objective:** Accommodate existing and future flows, improve operational flexibility and maximize reliability
  - **Scope:** Upgrade pump stations, conveyance pipe and shared force main to 26 MGD firm, 30 MGD peak
  - **Status:** Horizontal Directional Drilling complete, open cut ongoing, mechanical and electrical equipment replacements ongoing
  - **Schedule:** Substantial Completion early 2020
  - **Total Project Cost:** \$75 Million
3. North Mercer/Enatai Interceptor Upgrade
  - **Objective:** Accommodate existing and future flows, improve operational flexibility and maximize reliability

**Next MWPAAC General Meeting is September 26, 2018, at Tukwila Community Center, Tukwila, WA**



## METROPOLITAN WATER POLLUTION ABATEMENT ADVISORY COMMITTEE

### Meeting Summary

- **Scope:** Increase capacity to 10.5 MGD by upgrading equipment, replacing Force Mains and gravity pipe, installing new gravity pipe and rehabilitating existing pipe
  - **Timeline:** Construction 2020-2023
  - **Total Project Cost:** \$116 Million
4. South Treatment Plant Raw Sewage Pump Medium Voltage Switchgear
- **Need:** Existing switchgear in service since 1964, beyond estimated useful life
  - **Scope:** Replace switchgear and transformers and install new control and monitoring systems
  - **Status:** 90% Design
  - **Schedule:** 2019 Construction
  - **Total Project Cost:** \$8 Million
5. West Point Mixed Liquor Channel Air Blowers
- **Objective:** Save 800,000-1,000,000 Kilowatt-hours (kWh) annually ~ \$48,000 - \$60,000 in energy costs
  - **Scope:** Replace two existing blowers with modulating high speed turbo blowers
  - **Status:** 30% Baseline Design.
  - **Schedule:** Construction in 2020
  - **Total Project Cost:** \$4 Million
6. West Point Treatment Plant Primary Sedimentation Roof
- **Project Need:** Basins currently do not meet Life Safety performance.
  - **Scope:**
    - Remove Z beams, girders and columns
    - Upgrade tank walls
    - Construct partial roof deck
    - Replace odor control ductwork
  - **Status:** 30% Baseline Design
  - **Schedule:** Construction 2021-2022
  - **Total Project Cost:** \$37 Million

### 6. General Announcements

None

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

**Next MWWPAAC General Meeting is September 26, 2018, at Tukwila Community Center, Tukwila, WA**