

Summary of Engineering and Planning Subcommittee April 3, 2014 Meeting for MWPAAC General Meeting on April 23, 2014

1. Regional Wastewater Services Plan (RWSP) Treatment Plant Flows and Load Forecasts

KC staff has been providing periodic updates on the planning assumptions and findings that will be incorporated into the RWSP Update. The presentation on April 3 focused on those parameters that affect the 3 sewage treatment plants (West Point, South Plant, Brightwater):

- Average Wet Weather Flow (AWWF) projections – observed a 15% reduction over past decade due to reduced water use (water conservation, low water use plumbing fixtures), but the overall AWWF has remained fairly constant due to increasing population and economy in the region. Projections will assume a 10% reduction in water use between 2010 and 2030, with no additional reduction after 2030.
- Total Suspended Solids (TSS) and Biochemical Oxygen Demand (BOD) – the data indicate that these loading rates are proportional to population and employment growth. As water use reductions continue, the sewage becomes more concentrated and these parameters may become more of a factor in meeting NPDES permit requirements.

Analysis indicates that with Brightwater operational and with its planned installation of additional membrane filters, there is sufficient capacity to handle AWWF, TSS, and BOD in the 3 sewage treatment plants into the 2030's decade.

BUT: KC will continue to monitor trends in population and economic growth and in water use, together with the possibility of changing regulatory requirements that may require additional treatment plant upgrades and that may affect capacity.

2. RWSP Policies Review Work Plan – In August, E&P Subcommittee will review June 1, 2014 update that KC staff is submitting to the King County Council. Following a series of study sessions, E&P plans to provide comments on certain policies and to propose the addition of new policies that may be considered by the Regional Water Quality Committee (RWQC) for potential adoption.

3. Vice-Chair Needed – The E&P Subcommittee is still asking for a volunteer to serve as Vice-Chair for the Subcommittee, who would represent the Subcommittee at the Executive Board Meetings, the Subcommittee Meetings, and the General Meetings if the Subcommittee Chair is unable to attend. It is a great way to be more involved in MWPAAC and become better informed with minimal duties! Contact Robert Tovar (Robert.Tovar@kingcounty.gov).

Questions? Lisa Tobin, E&P Subcommittee Chair
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