

Summary of Engineering and Planning (E&P) Subcommittee February 2, 2017 Meeting for MWPAAC General Meeting on February 22, 2017

Brewery Wastewater Best Management Practices

King County Industrial Waste (KCIW) is developing best management practices (BMPs) to be used at breweries to reduce the impact of brewery discharges on the sewage collection systems and treatment plants. These discharges may have a high organic load from the brewing process, or may contain harsh acids or alkaline caustics from cleaning the equipment. Ten of the largest breweries generate 90 percent of the brewery wastewater; they will have permits to limit the constituents in their discharge. The remaining breweries (over 90 and growing each year) will be provided with BMPs to help them manage their discharges. After implementing this program for breweries, KCIW will develop BMPs for wineries and distilleries in subsequent years.

To obtain a list of breweries, wineries, or distilleries in your agency's service area, contact the Washington State Liquor and Cannabis Board www.lcb.wa.gov.

Conveyance System Improvement (CSI) Program Update

King County staff is finalizing the 2017 CSI Program Update Report, which should be available for review in the near future. The summary report will include a summary of the 2007 Update, what has changed since that update, the projects that have been identified, and the process used to prioritize them. An appendix will provide detailed information on each of the projects, including conceptual cost information that uses the cost estimating principles and procedures recently developed by the Technical Working Group. Later this year, King County WTD's Finance group will be evaluating cash flow scenarios for implementation of the recommended projects.

Infiltration/Inflow (I/I) Program Update

One of the goals of the I/I Program Update is to compile information about sewer and side sewer standards and inspection practices throughout the service area. On January 12, 2017, MWPAAC sent a letter to all the component agencies requesting their cooperation. King County WTD and its consultant, Brown and Caldwell, will begin conducting interviews with each of the component agencies in the spring.

Please see the attached list of information needs and questions that will be discussed in the interviews. King County WTD will be contacting component agencies to schedule interviews and will provide the list of information needs again at that time. Please assemble this information in advance of your agency's interview.

Change in E&P Meeting Time

March meeting – will start at 8:30, in Bellevue, since the Rates and Finance Subcommittee will not be meeting in March

Starting in April, we will switch meeting times with Rates and Finance, which will begin at 8:30 on the first Thursday of the month, followed by E&P at 9:35. We encourage all MWPAAC members to attend both subcommittee meetings to gain insight and offer your expertise and comments on King County's programs and projects.

Questions?

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Information Needs from MWPAAC Members

To complete the scope of work for Contract Number P00208P16, Brown and Caldwell (BC) will need to obtain information from the MWPAAC members. The agreed upon scope of services already provides a list of questions to MWPAAC members. BC plans to ask those question to the members during our interviews with them. In addition to those already developed questions, BC would like to ask the following questions and request the bulleted pieces of information. The information request is for current standards, forms, policies, and procedures, not for information that was developed for past initiatives. For convenience, the requests are broken out per scope task number. The project subtask scope pertaining to the information needs is included in Attachment A.

Subtask 420 – Assessment of Existing Local Agency Sewer and Side Sewer Standards

1. How do you define the ownership of the sewer service pipe between the sewer main and the private property?
2. How has your agency changed over the years (e.g., limits, ownership)?
3. Do you have any involvement in property owner driven side sewer repairs (e.g., permits, inspections)?
4. Are you aware of areas within your collection system that were built with poor construction techniques or known contractor-related deficiencies/techniques (e.g., p traps on connected roof drains, hammer taps into sewer main, Palmer valves connecting foundation drains, non-standard size/material transitions.)
5. Do you require gasketed storm drain pipes? If yes, what year was that requirement put into place?
6. How do you perform ditch maintenance in areas where there are potential lateral crossings?
7. What is your experience with disconnecting foundation drains and connecting them to on-site storm-water management devices (e.g., LIDs)?
8. What is your experience with constructing LID facilities adjacent to sewers (e.g., any increase in infiltration rates)?

Items to collect:

- Mainline sewer design standards
- Side sewer design standards (e.g., standard specification, standard drawings, and approved materials lists)
- Mainline and side sewer rehabilitation standards, policies, and guidelines

Subtask 510 - Evaluation of Current Inspection Programs at Cities and Sewer Districts

1. What is the inspection process/work flow for sewer and side sewer rehabilitation?
2. What is the inspection process/work flow for new construction?
3. Do you inspect laterals in side sewers while inspecting your main sewer system during CCTV or condition assessment? If a defect is noted what are the next steps?
4. Have you noticed any particular issues where the sewer pipes cross under or near storm drainage features (e.g., ditches, pipes, catch basins)?
5. Do you utilize information collected by others (such as gas utilities for cross bore)?

Items to collect:

- Sewer and side sewer repair/replacement permit and inspection forms
- New sewer construction/permit and inspection forms



Subtask 610 – Identification of the Types of Private Side Sewer Programs

1. Do you have a side sewer program to reduce I/I? If yes, what type of program is implemented and why?
2. Describe any public outreach that was done in support of the program.

Items to collect:

- Side sewer I/I-related documentation such as resolutions, ordinances, enforcement response plans (that address easement encroachment or disconnect-redirect noncompliance), or other legal authorities (including example property owner agreements, working/temporary easements, etc.)
- Example public education or information materials

Subtask 620 – Evaluation of and a Framework for Side Sewer Inspection and Certification Program

No additional questions

Items to collect:

- Any available literature on side sewer inspections and certifications such as side sewer permits for sewage and stormwater drainage
- Example private sewer related specifications (e.g., laterals, disconnect-redirect, abandonment, rain gardens, and rain barrels), standard drawings, and approved products list
- Example utility (and building inspector) checklists for lateral installation, repair and replacement (and disconnect-reconnect if applicable)

Subtask 630 – Evaluation of and a Framework for Private Side Sewer Insurance Programs

No additional questions

Items to collect:

- Any available literature on side sewer insurance programs offered in the agency's service area

Subtask 640 – Evaluation of and a Framework for Private Side Sewer Maintenance Program

No additional questions

Items to collect:

- Any available literature on side sewer maintenance programs such as example work orders, contracts or service agreements

Subtask 650 – Evaluation of and a Framework for Grant or Loan Programs for Private Side Sewers

No additional questions

Items to collect:

- Any available literature on grant or loan programs for side sewers

