

SFPUC Wastewater Master Plan
SUMMARY OF SIXTH TECHNICAL ADVISORY COMMITTEE MEETING
City of San Francisco, California

December 16, 2009

Mr. Jon Loiacono
SFPUC
145 Market St. 5th floor
San Francisco, CA 94103

RE: *Summary Letter Report of the Sixth Meeting of the Technical Advisory Committee for the City of San Francisco **Sewer System Master Plan***

Dear Mr. Loiacono:

Please find enclosed the summary letter report for the sixth meeting of the Technical Advisory Committee (TAC) for the *City of San Francisco **Sewer System Master Plan (SSMP)***. The sixth TAC meeting was held on March 3, 2009 in San Francisco at the PUC offices. The agenda of the meeting is attached to this letter.

This letter report is a summary of the TAC meeting held on March 3, 2009 in San Francisco at the PUC offices. The purpose of the meeting was informational to present the draft SSMP Report and some technological reviews of sludge processing techniques to the TAC. Because the TAC had reviewed various elements of the SSMP previously, it was concluded that it would be appropriate at this stage for the TAC to offer its consensus thoughts on the goals and guiding principles for the SSMP and on the report organization. It was also decided that individual members of the TAC who had specific concerns, comments, and edits on the draft report would forward them to you directly to aid you and your team in the preparation of the final version of the report. The following goals and guiding principles represent the consensus opinion of the TAC.

SSMP GOALS

The City of San Francisco wastewater collection and treatment system is unique in California because it handles both dry-weather flow (wastewater) and most of the stormwater runoff. This dual function makes the City sewer system one of the most advanced in the state because it treats both point and non-point sources of pollution.

The overarching theme of the development of the SSMP goals is “sustainability.” Sustainability for the WWE is achieved by balancing current and long-term social, environmental, and economic factors.

The overall near-term and the future goals of the SSMP are:

- To ensure the protection of public health, safety and the environment.
- To enhance and protect the City's investment in sewer system infrastructure.
- To ensure the long-term sustainability of the sewer system through implementing immediate and near-term improvements consistent with a long-range vision for the future.

The specific goals of the SSMP are:

- To develop policies, programs and projects and a financial plan that fulfill the stated goals of the WWE.
- To provide wastewater and stormwater collection, treatment, and disposal that ensures compliance with all current and foreseeable local, State, and Federal regulations; that accommodates predicted population growth; and that provides the flexibility to accommodate unplanned increases of wastewater strength and volume.
- To increase the reliability of the wastewater collection, and of wastewater and wastewater byproducts treatment and disposal systems
- To consider operations and practices that are innovative, environmentally- and socially-acceptable and economically sustainable.

- To provide a system that can be constructed, operated and maintained at the best cost benefit to the public.

SSMP GUIDING PRINCIPLES

Complementary to the SSMP goals, a series of guiding principles were developed to guide the master planning process. These “SSMP Guiding Principles,” presented below, reflect the core values, constraints, aspirations, and vision that the public and the SFPUC have for the wastewater collection, treatment, and dispersal facilities.

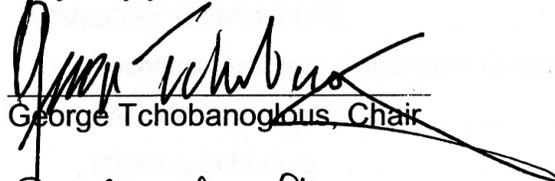
The SFPUC shall:

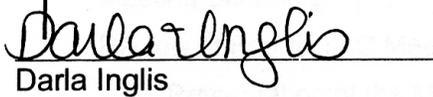
1. Continue to meet all current and anticipated future regulatory requirements, and strive to improve the quality and reduce the quantity of its discharges so that adverse effects are diminished.
2. Strive to ensure that all sectors of the community are equally protected from environmental and health risks such as local and area-wide flooding, odors, and vectors.
3. Provide the facilities and operations for wastewater collection, treatment and reuse/disposal that protect public health, safety, and the environment in a manner that minimizes, or mitigates negative community impacts.
4. Ensure that the wastewater collection and treatment facilities are designed and operated in the most sustainable manner possible.
5. Develop a comprehensive plan that replaces aging and structurally-unreliable infrastructure, and improves its overall and seismic and flexibility.
6. Strive to develop a dynamic and responsive SSMP that can respond effectively to, and implement changes necessitated by new regulations, policies, and scientific information.
7. Promote environmental stewardship that includes the sustainable use of natural resources (e.g., stormwater, treated effluent, biosolids, energy)

8. Develop a strategy for addressing the impacts of climate change on the wastewater collection and treatment facilities.
9. Incorporate Low Impact Development (LID) in the SSMP.
10. Evaluate the proposed programs and projects using the “triple bottom line” concept in which social and environmental impacts are balanced against economic performance and impacts on ratepayers.
11. Make every effort to apply the SSMP Guiding Principles in a fashion that provides the highest value service to the ratepayer.
12. Where technically and economically feasible, seek to use and develop novel technology that treats wastewater and the solids produced from it, in a more efficient, sustainable, and environmentally benign fashion.

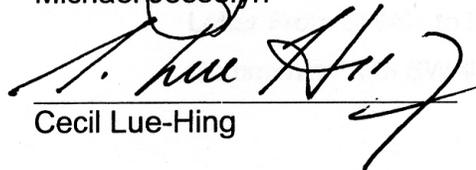
It is hoped that the goals and guiding principles presented above will be of use to you in the preparation of the final report. This summary letter report has been prepared, reviewed, and approved by all of the undersigned TAC members.

Very truly yours,

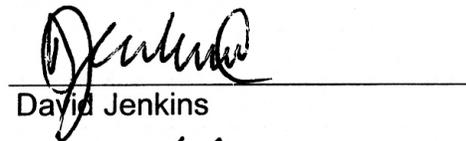

George Tchobanoglous, Chair


Darla Inglis


Michael Josselyn


Cecil Lue-Hing


Robert Gearheart


David Jenkins


Larry Kolb

Absent from fifth meeting

E. Joe Middlebrooks