

**District of Columbia
Water and Sewer Authority**

Board of Directors

**Environmental Quality and
Sewerage Services Committee**

Thursday, May 19, 2011

9:30 a.m.

MEETING MINUTES



Committee Members Present

Robert Hoyt, Chairperson
Joseph Cotruvo
Howard Gibbs
David Lake
Dawn Hawkins-Nixon
James Patteson

DC Water Staff Present

George Hawkins, General Manager
Leonard Benson, Chief Engineer
Meena Gowda, Principal Counsel
Linda R. Manley, Board Secretary

Other Board Members Present

David J. Bardin

I. CALL TO ORDER

Mr. Robert Hoyt, Chairperson, called the meeting to order at 9:30 AM.

II. AWWTP STATUS UPDATES

1. BPAWTP Performance

Mr. Walter Bailey, Assistant General Manager for Wastewater Treatment reported that April was wetter than the average for the month, with precipitation at 3.2 inches vs. the 2.8 inch historical average. Flow averaged 308 MGD with a 12-month average of 298 MGD. Nitrogen compliance was 4.8 mg/l for the month with an annual average of 4.7 mg/l. There were 15MG in excess flow events reported. Biosolids production was 1148 wet tons per day for a 12-month average of 1165 wet tons per day. All permit parameters were met.

III. STATUS UPDATES

1. LTCP Easements Permits

Mr. Hawkins reported on the status of obtaining easements or permits for the proposed tunnel alignments. Obtaining easements from DDOT continues to be an issue, although

an alternative approach of issuing permits for near surface facilities and easements for the deeper tunnel structure may be feasible. DDOT has withheld permanent easements out of concern that easements will limit DDOT's ability to relocate their facilities in the future. Mr. Hawkins also reported that DC Water has been unsuccessful in gaining permanent easements from the US Federal Highway Administration for the portion of work within the FHWA corridor. The District currently has no utility accommodation policy in place for such cases. Mr. Hawkins wants FHWA to respond to our request in writing, explaining their position, and providing a road map moving forward. While Mr. Hawkins acknowledged that obtaining permits would be a short term solution that would allow construction to proceed, DC Water management has decided to remain as firm in our request for easements as possible for the time being since construction would not reach the FHWA/DDOT land until a few years from now. When construction permits are issued DC Water must ensure that it retains the ability to update the permit conditions in the future as we continue to pursue permanent easements.

In response to a question, Mr. Benson advised that agreements on the tunnel alignment are in place with other Federal agencies who control property along the alignment, and that he foresees no issues with obtaining the necessary permits from those agencies.

2. ENR and Digester Ground Breaking Ceremony

Mr. Hawkins led a ceremonial ground breaking at Blue Plains to kick off the ENR and digester projects. The event was well attended by representatives from the District and our regional partners. Mayor Gray showed great interest in this work as an impetus for job creation. Several board members attended the event and expressed their appreciation to the General Manager on this important showcase of DC Water's commitment to "a greener Blue Plains".

IV. STATUS UPDATES: POTOMAC INTERCEPTOR

1. Potomac Pump Station

Mr. David McLaughlin, Director of Engineering and Technical Services, reported that DC Water will proceed with the next modification in the series of increasingly expensive and complicated corrective measures intended to obtain certification of pump station capacity. The effort now underway will require a pump impeller change. The impeller change will take 4 to 5 months for design, fabrication and installation. In parallel with this work, staff is working with the General Counsel to prepare a formal proposal to the plaintiffs to the Consent Decree regarding a potential modification of the Consent Decree if the impeller change does not sufficiently improve performance. The cost of the modification of the first pump to incorporate the new impeller will be on the order of \$300,000.

2. Odor Abatement Project

Mr. McLaughlin reported that construction on the Maryland and DC sites is proceeding on schedule. As for the Virginia sites, approval processes are continuing in anticipation of late June construction advertisement for bids. Site plans were recently submitted to Fairfax County.

V. ACTION ITEMS – JOINT USE

Mr. Leonard Benson, Chief Engineer presented the following contractual action items for Committee action and discussed the scope of each.

Joint Use:

1. Contract No. WAS-09-012-AA-GA, M&M Electric Motor Repair
2. Contract No. WAS-07-012-AA-JS, M.C. Dean
3. Contract No. WAS-07-023-AA-JW, Ideal Electric Supply Corporation
4. Contract No. WAS-10-011-AA-GA, Suffolk Sales and Services Corporation
5. Contract No. DCFA #386, Camp Dresser & McKee
6. Contract No. DCFA #380, Malcolm Pirnie Engineers, PLLC

Committee members raised questions regarding an option year action item (Contract No. WAS-09-012-AA-GA) that was not fully funded for the option year cost (funding reflected only the budget available this fiscal year). An explanation was requested via e-mail, or modification to the fact sheet information. Discussion took place on the use of Bureau of Labor Statistics data to validate the option year prices. Ms. Rosalind Inge,

Director of Procurement explained the use of that data. Discussion took place on the Camp Dresser & McKee item which is for additional engineering work related to the attempt to resolve the Potomac Pumping Station capacity issues. Following up on the discussion under the previous agenda item, the Committee expressed concern over when to cut losses in the quest to fix the station. Mr. Benson confirmed and the Committee agreed with the current approach to proceed with the impeller modification while proceeding in parallel with discussions on an alternate approach should the impeller change not solve the problem.

No objections to any of the action items were raised by the Committee and Mr. Hoyt noted they will be recommended to the full Board for approval.

VI. QUARTERLY CIP REPORT

Mr. McLaughlin discussed the quarterly report which contains information on capital project spending, key performance indicator (KPI) achievement, and upcoming large contracts. He noted that a better indication of the progress on linear pipe replacements, which are now in the design stage, needs to be developed to reflect that progress is being made. The Committee requested a modification to the report format to reflect cumulative performance on the KPI charts and pointed out one error on the future large contract list pertaining to the responsible Committee for a future contract.

VII. QUARTERLY CSO REPORT

Dr. Mohsin Siddique, Supervisor of Environmental Planning, discussed the types of CSO's that occur and the proposed format to present information on these events to the Committee. Mr. Benson prefaced the discussion by explaining the types of discharges both at Blue Plains and from the combined sewer system. Quantification of flows, other than the permitted and metered flow at Blue Plains, is done using the hydraulic model. The Committee noted that they are most concerned with knowing whether there are any permit violations, but also requested that the report include estimates for the amount of nutrients discharged, in addition to the number of overflow events and volume discharged.

VIII. COST ALLOCATION FOR MULTI-JURISDICTION USE PIPELINES AND PUMP STATIONS

1. The M-JUF Study Report

Mr. Roger Gans, Manager of Planning and Design reviewed the study that was done under the auspices of the Blue Plains Regional Committee (BPRC). The study was conducted to identify sewer facilities that convey suburban flow, and to quantify the flow from each suburban user and the District, so that capital construction costs can be allocated on a rational basis. The MIKE URBAN hydraulic model was used, the same model used to develop the Long Term Control Plan. Results are currently being reviewed by the BPRC. The most recent modification to the study results involved the removal of constraints that had been applied in earlier model runs. These constraints, most noticeably at Potomac Pump station, were based on earlier cost sharing agreements. The BPRC agreed that these earlier agreements should not constrain this analysis since these prior agreements did not reflect how the system is now being operated..

2. BPRC 3-24-11 Meeting

The subject meeting concluded that the above report is the definitive statement of how peak IMA flows and District flows distribute through the system. This approach will be used to determine capital cost allocation for future projects. If any participating user felt that the report yielded an inequitable result for a given project, the BPRC would serve as arbiter. A final detailed review is underway and discussion will be held at the June 2011 BPRC meeting. Due to the need to wrap up this meeting on time, Mr. Hoyt curtailed questions and advised the Committee members to forward any unasked questions for discussion at the next meeting.

IX. EMERGING ISSUES/OTHER BUSINESS

1. Vulnerability Assessment – Status Update

This item was not discussed due to time constraints.

X. ADJOURNMENT

Mr. Hoyt adjourned the Committee at 11:35 a.m.

Follow-up Items

1. Update the Committee on a regular basis on the Clean Rivers Project easement issues - consider similar format to the current Potomac Interceptor Long-Term Odor Abatement status report.
2. Provide additional explanation (by e-mail) on budget limitations for Contract No. WAS-09-012-AA-GA, M&M Electric Motor Repair.
3. Reschedule the Vulnerability Assessment Status Update.
4. Continue discussion on Cost Allocation for Multi-Jurisdictional Use Facilities, with Committee members requested to advise Mr. Hoyt of any specific questions that they have in advance of the meeting.
5. Provide nutrient discharge information in future CSO reports.
6. Modify CIP report to included cumulative KPI performance data.