



*District of Columbia  
Water and Sewer Authority*

**Board of Directors  
Environmental Quality and Operations  
Committee Meeting**

Thursday, March 15, 2007, 9:30 a.m.  
Room 407, COF, Blue Plains

**SUMMARY MINUTES**

**Board Members**

David Lake, Acting Chairman  
Brenda Richardson  
Kenneth Davis  
Paivi Spoon

**Staff Members**

Jerry Johnson, General Manager  
Avis Russell, General Counsel  
John Dunn, Chief Engineer  
Linda R. Manley, Board Secretary

**I. CALL TO ORDER**

David Lake called the meeting to order at 9:39 a.m.

**II. STATUS UPDATES**

1. BPAWTP Performance

Average flow at Blue Plains for the month of March was 308 MGD, with below average rainfall. Excess flow of approximately 5 MG was treated through primary treatment, disinfection, and dechlorination due to wet weather events. All permit parameters were met. Biosolids production was 1,260 tons per day, and effluent total nitrogen for the month was 5.28 mg/L vs. a permitted annual goal of 7.5 mg/L.

Two articles were included in the Monthly Report relating to research being conducted at the Blue Plains plant, and the Committee complimented the staff for the continuing research and publication, noting that this raised the prestige and reputation of WASA throughout the industry.

2. Status AWTP NPDES Permit

WASA is continuing negotiations with EPA on the permit requirements. Additional information will be discussed with the committee during the Executive Session.

**III. WATER SERVICE PROGRAM**

1. Coliform Testing

WASA has had two positive samples in February. There was an additional positive sample received yesterday (March 14) which is being investigated, as WASA suspects this positive sample is a sampling error. After a positive sample is received follow up samples are taken and they were negative.

2. Orthophosphate Addition/OCCT

Orthophosphate addition program is on schedule, with the dosage continuing to be refined. WASA feels that we are approaching the optimum maintenance dosage that will be maintained in the future.

3. LCR Compliance Testing: Results and Trends

This year, the Aqueduct customers have chosen to perform a free chlorine burn of the systems. This is scheduled for the period from April 7 through May 7. WASA will perform a public outreach program prior to this burn, which is of particular importance to hospitals (this effects dialysis treatment) and fish tanks.

The Aqueduct has not performed a chlorine burn during the last two years, based mainly on the request of WASA to avoid changes in the system during the development of the protective orthophosphate scale. During this two-year period, WASA has performed extensive loop tests which indicate that there is no technical reason to continue to avoid a burn. The chlorine burn is more aggressive in attacking biofilm buildup in the water lines and the other customers, who do a limited flushing program, prefer doing the burn. However, WASA believes that with a more aggressive flushing program the advantages of a burn to WASA are minimal.

WASA will have completed approximately 75% of the required LCR lead testing prior to the chlorine burn, and will complete the remaining 25% after the burn, starting in May.

**IV. UPDATE/STATUS: POTOMAC INTERCEPTOR ODOR CONTROL PROJECT**

A PowerPoint presentation was made on the Potomac Interceptor Odor Control project. The presentation included a review of the history of the project – in particular the requirement for 47 permits issued by 16 agencies, the current status of the project, and the ongoing activities and completion schedule.

One particularly adverse current development is a series of new, and conflicting, requirements imposed by the National Parks Service local offices. This could require time-consuming and costly redesign, and project construction escalation in the \$2- to \$3-million range. Another is a congressionally funded chemical addition pilot test for odor control using a proprietary product, as opposed to the currently designed carbon adsorption system. This pilot test will be performed in June through August 2007.

Because of these developments, WASA will review the Basis of Design for the project, to be completed by April 15. WASA will elevate the National Parks Service issues to a higher, national office level, and strive to achieve a consensus agreement with resolution expected in June 2007. On this basis, WASA will proceed with the Maryland sites, with Advertisement of Bids expected in July 2007. For the Virginia and DC sites, Advertisement for Bids is expected in December 2008.

It was noted that the American Canoe Club (ACC), had previously filed a lawsuit over the odor issue that was dismissed for legal reasons. The ACC has not refilled the suit on the basis of WASA's good faith efforts to resolve this issue. WASA may benefit from coordinating with the Committee for support. The Committee asked who funds this project, and how the odor control is measured. The user jurisdictions fund the project. The odors are generated by specific chemical reactions, and the resulting odor causing chemicals compounds can be accurately measured.

The Committee also asked about the proprietary chemical used in the pilot test: are other jurisdictions using this, and what are the advantages and disadvantages. Other jurisdictions are using this product. A major advantage may be the reduction of the number of sites required for odor control; major disadvantages could be the cost of the chemicals and the requirements and costs for facility operation and maintenance.

The General Manager pointed out that this project when originally proposed in 1999 was estimated at ≈\$3-million, that it is now at ≈\$15-million, and the costs could rise with the new requirements.

## V. CIP QUARTERLY REPORT

Mr. Benson reviewed the CIP Quarterly Report, including the current and projected spending in each service area. He noted that all Consent Decree and Administrative Order projects were on schedule.

### 1. LSR Program Report

The Lead Service Replacement Program is on schedule. WASA has coordinated the program with DDOT's program for street replacement through 2008. Costs for the program are well within the budget.

### 2. LTCP Facility Plan Status Report

The project is on schedule, with the draft Facility Plan due December. The final is due to EPA and DOJ in September 2008.

The LTCP project is proceeding with test borings, and preferred alignment of the system being completed.

Overall, WASA's CIP spending at the end of December was at 89% of the projected spending, and it is forecast that total spending at the end of September will be at 99% of the baseline budget spending.

## VI. ACTION ITEMS

The following contracts were submitted for Committee action:

<b>Contracts Considered and Approved</b>				
<b>No.</b>	<b>Type</b>	<b>Prime Contractor</b>	<b>Scope</b>	<b>Amount</b>
<b>Joint Use</b>				
000090	Construction	Emerson Process Management	Change Order	\$32,875,127.00
WAS-04-018-AA-MB	Goods & Services	C&E Services Inc., of Washington	Third Option Year	\$1,016,900.00
030210	Construction	Ulliman Schutte Construction, LLC	Contract	\$101,200,000.00
<b>Non-Joint Use</b>				
070010	Construction	Flippo Construction Co., Inc.	Contract	\$12,500,000.00
DCFA #381-WSA	Engineering Services	Greeley and Hansen, LLC	Supplemental Agreement	\$1,200,400.00
030220	Construction	W.M. Schlosser Company, Inc.	Change Order	\$6,143.00

The Committee requested that on all Option Year Fact Sheets, the total number of Option Years in the contract be noted.

On contract 030220, Main and O Street, the Committee asked about the energy efficiency of the motors being installed. The staff indicated that on each project, a life-cycle-cost analysis is performed to achieve the optimum balance between initial procurement cost and operating cost. It was noted that this issue could most appropriately be addressed in the CIP Quarterly Report rather than on Fact Sheets. It was also noted that WASA had recruited for a position of Manager of Energy Management/Energy Acquisition, and found no candidates with the combined skill sets. The position is now being advertised as Manager of Energy Management, with energy acquisition being managed by the Office of Finance and Budget.

The Committee asked why a Change Order for ≈\$6K was being brought before the Committee considering the cost of processing a Change Order. This is not normally done, and is only done under extenuating circumstances. An example is when a small subcontractor, including M & WBE's, requires payment, and the prime contractor will not pay until receiving payment from WASA.

Contract 030210 was discussed in Executive Session. Following the Executive Session, the Committee recommended that the contract move forward for full Board consideration with the notation that the Bid amount is above both the engineer's estimate and the budget.

With incorporation of the notes above, all Action Items were recommended for approval.

## **VII. EMERGING ISSUES**

The General Manager noted that at the DC City Council's Public Works and the Environment Committee Meeting held yesterday, the new chairman, Mr. Graham, questioned WASA's continuation of the lead service replacements at an additional cost of ≈\$300-million when testing indicates that there is no longer a problem with lead in the water. The General Manager and staff will need further discussions with the Board related to this issue.

## **VIII. OTHER BUSINESS**

The EDF project status report and a report on on-site generation of sodium hypochlorite scheduled for this meeting were postponed to next month because of the lengthy agenda scheduled for this meeting.

## **IX. EXECUTIVE SESSION**

The Committee went into Executive Session at 10:54 a.m., and reemerged into open session at 1:18 p.m. Additional discussion of an Action Item followed.

## **X. ADJOURNMENT**

Mr. Lake adjourned the meeting at 1:27 p.m.