



**District of Columbia  
Water and Sewer Authority**

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

Monday, March 28, 2005, 12:00 p.m.  
Room 407, COF, Blue Plains

**MINUTES**

**Committee Members**

James Caldwell, Chairman  
David Lake  
David J. Bardin  
Brenda Richardson  
Alexander McPhail  
Stephanie Nash  
Beverly Warfield  
Howard Gibbs

**Staff Members**

Jerry Johnson, General Manager  
John Dunn, Chief Engineer  
Leonard Benson, Director, ET  
Walter Bailey, Director, DWT  
Linda R. Manley, Board Secretary

**I. CALL TO ORDER**

Chairman James Caldwell called the meeting to order at 12:01 p.m.

**II. STATUS UPDATES**

1. BPAWTP Performance

Average flow at Blue Plains for the month of January was 326 MGD. All permit parameters were met. Biosolids production was 1,207 tons per day, and effluent total nitrogen was 5.01 mg/L vs. a permit goal of 7.5 mg/L.

2. Status AWTP NPDES Permit

EPA has requested additional time for preparation of the permit, and WASA has consented.

3. WAD / Residual EIS

The Aqueduct is still in the process of developing the final options. The Blue Plains Regional Committee has gone on record as indicating that sending the residuals to Blue Plains is not a viable option.

4. Digester Project Approvals

The difference of opinion between the US Commission on Fine Arts (CFA) and the District of Columbia Zoning Commission (ZC) over the architectural treatment has been resolved. At a meeting on March 14, the ZC accepted the CFA design. This was a verbal approval, and WASA staff will prepare a draft "order" for consideration by the ZC. After ZC approval, the order will be published in the DC Register prior to becoming final.

The modified design may need to go back to the National Capital Planning Commission; WASA staff is investigating. If it does need to go back to the commission, it should present no problem.

### **III. WATER SERVICE PROGRAM - STATUS**

#### **1. Coliform Testing**

To date there were two positive samples in March. WASA is looking at the testing protocol. The Aqueduct has one person doing the sampling, and they may be overworked and are not as careful as they should be when they are running behind schedule. In April, WASA personnel will conduct a portion of the sampling for evaluation as to time requirements.

#### **2. Orthophosphate Addition/OCCT**

The orthophosphate feed program is proceeding satisfactorily and system chemistry is stable

#### **3. LCR Compliance Testing: Results and Trends**

To date results of testing for the January 1 through June 30 period includes 60 samples showing only four that exceed the 15 mg/L threshold which is under the 90<sup>th</sup> percentile level. These results seem to indicate that the improved corrosion control program is yielding the anticipated results.

WASA will meet with the Inspector General this week relative to the IG's conducting of additional, independent tests. In the IG's tests, 871 kits were distributed, with 276 returned. Of the 276, only 16 were above the 15mg/L threshold — well below the action level — and only 5 of these were above 20 mg/L.

A handout was distributed showing the results of WASA's 60 test results. The Committee requested a footnote be added to the listing explaining the reasons for the non-proportionate distribution of sample sites throughout the city.

In a conference call with WSSC, the General Manger was informed that WSSC had discovered that they had service pipes made of Tube-Loy, which is 99% lead , that were installed during early World War II. They have started a LSR restoration project based on this information. They have currently checked approximately 400 of 2900 residences with WSSC records showing Tube-Loy services. Based on that sampling, they project that 20 to 30 will be found to actually be of Tube-Loy. Their current staff policy is to replace the public side only when the owner elects to replace the private side. According to Mr. Lake the WSSC Commissioners have not yet formally considered this policy. Currently, they have had no samples associated with this product above the action level. WASA will coordinate with WSSC, looking at the technology that they are using to identify the lead lines.

### **IV. ASSET MANAGEMENT/GIS**

Mujib Lodhi made a Power Point presentation on WASA's asset management system that is in development. The system incorporates both predictive and preventative maintenance, minimizing life cycle costs of installed assets, and minimizing unscheduled service interruptions and equipment down time. It was noted that this is a \$9M, 3 year effort.

After the presentation, it was noted that Chris Peot of the Wastewater Treatment Department had been recently elected as president of the Mid-Atlantic Biosolids Association.

## V. ACTION ITEMS

The following contracts were submitted for Committee action:

Contracts Considered and Approved				
No.	Type	Prime Contractor	Scope	Amount
050010	Construction (Joint Use)	Capitol Paving of DC, Inc.	Construction Contract	\$6,500,000
DCFA #393- WSA	A/E (Joint Use)	Black & Veatch Corp.	Preparation of O&M Manuals	\$1,649,959
020140	Construction (Joint Use)	Fort Myer Construction Corp.	Second Option Year	\$3,619,799.85
040090	Construction (Joint Use)	Singleton Electric Company, Inc.	Construction Contract	\$3,270,000

It was explained to the Committee that there was a pending Protest of Bid on the Lead Service Replacements 2005-4 contract, 050010. The resolution of the protest is expected shortly, and, because this project is part of the requirements of the Administrative Order, it was requested that the Committee approve the contract pending resolution of the protest prior to issuing a Notice to Proceed.

All action items were approved unanimously.

## VI. CSO/STORMWATER MANAGEMENT SUBCOMMITTEE

### 1. Anacostia Tunnel System: progress since previous meeting

There was intense competition for the contract to manage the LTCP. Negotiations with the firm with the highest total score will begin this week. This is a complex contract with many detailed facets. The General Manager expects to be able to present a Fact Sheet for recommendation to the EQ&Op's Committee at the May meeting. It may be possible to start some preliminary tasks prior to that date by use of letter contracts.

### 2. WASA Advocacy for LID at non-WASA Facilities: progress since previous meeting

WASA is a co-sponsor of the DC Green Roofs Conference to be held May 4<sup>th</sup> through 6<sup>th</sup>, 2005. The conference is drawing both national and international participation.

WASA has met with the Casey Tree Foundation to discuss the use of WASA's model to evaluate the impact of trees on wet weather pollution reduction. The data should be applicable for use in both CSO and non-CSO areas.

WASA has met with DDOT to discuss ways of reducing storm water runoff, and improving the quality of the runoff. Items for discussion included increased frequency of street cleaning. The staff is also coordinating with Prince Georges County.

### 3. Status MS4 Permit Appeal

No new activity has taken place.

### 4. Tidal Basin: Gates & Water Quality

DC DOH intends to expand their investigation to help assure that there are no other illegal discharges into the Tidal Basin. They are also planning on several years of investigating the water quality prior to stating publicly that the WQ is adequate for swimming. Currently, they are planning to adopt the E-coli standard, proposed at 126

MPN/100 m/L, in place of the fecal coliform standard (200 MPN/100 m/L). The study should last at least three years. In addition to the water quality, they are also looking into other issues, such as safety and liability.

Tide Gate Operation: The COE has no responsibility for the operation of the Tide Gates; it is the sole responsibility of the NPS. The NPS must make budgetary provisions for the necessary repairs, and request the COE to perform the necessary maintenance and repair work. Currently, there is no plan for having this work done.

Request by the Committee to the GM:

DC DOH currently has a requirement that when an area of 5,000 sq. ft. or more is developed or renovated (exterior), the standards for runoff flow and pollution must be met. These standards are old, and should be revised. Our LTCP will not, in itself, make the river clean. The DC standards do not address non-CSO stormwater, non-point sources, etc. If DC changed the law, the standards, and the scope, how much could be achieved? If DOH doubled the requirements, what could be achieved? If the scope was "triggered" by extensive interior renovation and roof replacements as well as exterior renovation, what could be achieved?

The General Manager indicated that he would have further discussions to pinpoint the requirements of the request, and would make every effort to develop an answer to these questions.

## **VII. EMERGING ISSUES**

### **1. Baseball in DC**

The General Manager has met with Clark, Hunt, and Smooth, a leading designer of baseball stadiums, and candidate for designer of the DC stadium. Their current concept is to have the stadium totally above all existing utilities. Piles in proximity of utilities would be drilled rather than driven. They were informed that WASA would charge approximately \$500 per day for supervision services.

WASA is also investigating security aspects of the stadium construction.

WASA is also looking at the possible uses (and the value of) of our property across the street from the stadium site. WASA is investigating the issue of an RFP for review of the most advantageous use of the site.

## **VIII. OTHER BUSINESS**

No other business was presented.

## **IX. ADJOURNMENT**

Mr. Caldwell adjourned the meeting at 2:10 p.m.