



**District of Columbia  
Water and Sewer Authority**

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

Friday, June 16, 2006, 9:30 a.m.  
Conference Room B, CMF, Blue Plains

**SUMMARY MINUTES**

**Board Members**

James Caldwell, Chairman  
David J. Bardin  
Brenda Richardson  
Beverly Warfield  
Kenneth Davis  
Joseph Cotruvo

**Staff Members**

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

**I. CALL TO ORDER**

James Caldwell called the meeting to order at 9:33 a.m.

**II. STATUS UPDATES**

1. BPAWTP Performance

Average flow at Blue Plains for the month of March was 292 MGD, with below average rainfall. The rolling annual average flow to Blue Plains is 314 MGD, which is the lowest annual average in years. All permit parameters were met. Biosolids production was 1,249 tons per day, and effluent total nitrogen for the month was 5.71 mg/L and an annual average of 5.5 mg/L vs. a permitted annual goal of 7.5 mg/L.

2. Status AWTP NPDES Permit

WASA is continuing to negotiate with EPA on the nitrogen discharge limits EPA intends to put into the permit through the "reopener clause." EPA has established the final limit at 4.2 mg/L, but has not established an interim limit, nor have they established compliance methodology and the fines for not meeting these limits. EPA has asked DCWASA to propose a schedule for compliance with the final limit, and also to perform an analysis to support an interim limit. This schedule will include pilot studies to establish the reduction necessary at the most economical cost. Specific proposals will be provided to EPA in a letter that will be mailed next week.

The Committee asked that copies of the letter be provided to Board members when it is sent to EPA.

The Committee asked about the power outage in August - did it cause the "cloud of death going down the river" that was reported as a possibility in the Washington Post? DOH investigated electrical power, and found no related fish kill or other environmental harm. The project to provide additional feeders is continuing and will require two additional shutdowns. The project is to be completed July 1 (see Item X).

### **III. WATER SERVICE PROGRAM**

1. Coliform Testing

WASA had one positive sample in May, and none to date in June.

2. Orthophosphate Addition/OCCT

The treatment program is proceeding well, with no adverse effects from the reduction in orthophosphate.

3. LCR Compliance Testing: Results and Trends

The lead replacement program is now out from under the Administrative Order. In the latest round of sampling, 104 samples have been taken with seven exceeding the action level. Of the seven, one was an outlying reading of over 100 ppb (the next high was 26 ppb). WASA has previously had high readings at this location.

The Committee requested that they be provided with complete information on the investigation of the one outlying reading result.

### **IV. POTOMAC INTERCEPTOR SEWER ODOR CONTROL PROJECT: STATUS**

WASA is weeks away from final design on the first contract. The Northern Virginia Regional Parks Authority has dropped the requirement for a user's fee. We are working with various jurisdictions on zoning variances. We will meet with CFA on July 20, and anticipate approval, and will meet with NCPC in September. We are working on Memorandums of Understanding with both the National Parks Service and the Washington Aqueduct on operation and maintenance of restrooms.

The Committee asked when we would anticipate ground breaking on the first contract (DC and MD sites). We anticipate ground breaking in the spring of 2007. The Committee requested to be advised when the project is advertised.

### **V. CSO INDICATOR LIGHTS**

WASA received CFA approval yesterday (June 15) and will go to NCPC in July. We do not anticipate problems with the approval.

### **VI. PROPOSED DCFA #406 FOR LEAD SERVICES REPLACEMENT PROGRAM MANAGEMENT AND CONSTRUCTION MANAGEMENT**

At the meeting of the Board of Directors on June 1, 2006, the BOD returned this proposed procurement action to the Environmental Quality and Operations Committee for reconsideration. A PowerPoint presentation was made responding to questions that had been asked at the full BOD Meeting. After the presentation, the Committee again unanimously recommended approval by the Board.

### **VII. CIP REPORT 2<sup>ND</sup> QUARTER FY 2007**

The report had been delivered to the Committee, and the staff was prepared to respond to questions presented by the Committee (none had been received to date).

The Committee requested full briefings in the near future (prior to September, for budget considerations) on the following programs:

- The fire hydrant replacement program, including safety issues.
- The valve operations program; include information on the full valve system, the current status of the program, and the plan for the future of the program.

- The sewer system condition study being conducted by Greeley & Hansen.

The Committee requested that full information on the cost of these programs be passed on to the Retail Rates Committee.

The Committee also requested that staff perform a full study of all inflow measurement technology available, and a comparison of the various technologies benefits and limitations. Mr. Dunn responded that WASA staff did not have the resources to conduct such an extensive study. The Committee then requested that WASA staff provide a report on mag-meter operations and a listing of other known technologies.

## VIII. DIGESTER PROJECT UPDATE

### 1. WERF Study - Fecal Coliform Reactivation

A PowerPoint presentation was made on the subject, and a WERF Fact Sheet was provided to the Committee. The information provided was the result of the first phase of an ongoing investigation of the problem. Both Sudhir Murthy, Ph.D., as a principal investigator, and Christopher Peot are involved in this ongoing investigation.

### 2. Egg Shaped Digester Facilities Construction Contract Status

WASA staff, in coordination with the Office of the General Counsel, have agreed on the required modifications to the Contract that are required to achieve surety participation. A copy of the proposed modified bond form has been provided to the Surety and Fidelity Association of America for their review, and a copy will be provided to the interested contractors for comment prior to issuing the Addendum that will restart the bidding process.

The Committee asked when the Addendum would be issued, and whether additional Board action would be required. WASA is planning on issuing the Addendum approximately July 10 for an additional 30-day bid period. No further Board action will be required.

## IX. 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>				
020120	Construction	EMH Environmental, Inc.	Change Order	\$575,000.00
WAS-06-12-AA-JW	Goods & Services	First Vehicle Services	Contract	\$1,335,808.00
WAS-06-005-AA-ND	Goods & Services	Urban Service Systems Corp.	Contract Modification	\$288,680.00
<b>Non-Joint Use</b>				
040260	Construction	Anchor Construction Company, Inc.	First Option Year	\$2,000,000.00
040270	Construction	Anchor Construction Company, Inc.	First Option Year	\$2,380,000.00
030130	Construction	Capitol Paving of DC Inc.	Change Order	\$48,000.00
060040	Construction	Fort Myer Construction, Inc.	Contract	\$13,000,000.00

The Committee requested the following corrections:

- Contract 060040; add LSDBE 100%.
- Check all other fact Sheets and correct as appropriate.
- Contract WAS-06-12-AA-JW; add information on why the low bidder was not selected.

The four non-joint use action items were unanimously recommended by DC Committee members for approval with the requested corrections. The three joint use action items were unanimously recommended for approval with the requested corrections.

## **X. EMERGING ISSUES**

### **1. Mirant's Potomac River Generating Station**

A PowerPoint presentation was made explaining the cause of the August shutdown. A project to install an additional feeder is under construction by PEPCO will provide an additional power source for the plant. When the new feeder is completed and in service (July 1 is the current target date) the main power for Blue Plains during the peak summer season will be from Palmer's Corner substation in Prince Georges County via the new feeders, rather than from the Potomac River Generating Station in Alexandria as it would otherwise.

A three-party agreement between EPA, DOE, and Pepco will allow the Mirant generating plant to restart, providing approximately full generating capacity at 482 MW.

These actions constitute the plan to provide enhanced reliability of the PJM power grid that provides electrical power for the BPAWTP.

### **2. Washington Aqueduct Chlorination**

The Washington Aqueduct is considering a modification of their chlorination chemistry. While this will eliminate gaseous chlorine on-site, it will increase truck traffic for chemical deliveries.

The Committee requested that Mr. Jacobus make a presentation at next month's meeting covering the implications to WASA of the modification of chemistry, and on the Aqueduct's full capital program.

### **3. Baseball Stadium**

The Committee reported that at the Retail Rates Public Hearing there was a question as to whether WASA was paying for some of the infrastructure relocation required for the baseball stadium. WASA will not be paying for any of the required infrastructure relocation or modification.

## **XI. OTHER BUSINESS**

No other business was presented.

## **XII. ADJOURNMENT**

Mr. Caldwell adjourned the meeting at 11:50 a.m.