



*District of Columbia  
Water and Sewer Authority*

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

Thursday, September 15, 2005, 9:30 a.m.  
Room 407, COF, Blue Plains

**SUMMARY MINUTES**

**Board Members**

James Caldwell, Chairman  
David J. Bardin  
Brenda Richardson  
F. Alexis Roberson  
Beverly Warfield  
Alexander McPhail  
Stephanie Nash

**Staff Members**

Jerry Johnson, General Manager  
Avis Russell, General Counsel  
John Dunn, Chief Engineer  
Debra Mathis, Executive Assistant  
to the Board Secretary

**I. CALL TO ORDER**

James Caldwell 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 August was 303 MGD. All permit parameters were met. Biosolids production was 1,294 tons per day, and effluent total nitrogen for the month was 5.2 mg/L with a 12-month rolling average of 4.6 mg/L vs. a permitted annual goal of 7.5 mg/L.

2. Status AWTP NPDES Permit

EPA has extended negotiations on the appeal to the permit to January 2006. WASA has not been contacted on negotiations, and there has been no response to our appeal.

**III. WAD / RESIDUAL EIS - STATUS**

Mr. Tom Jacobus of the Washington Aqueduct made a presentation on the status of the permit for WAD/Residual EIS. This is the third review of the topic; it was originally reviewed in the late 1970's, and again in the mid-1990's. The study developed several alternatives to be investigated. The first, taking no action, is not viable, as EPA has directed the Aqueduct to cease returning the residuals to the river. Other alternatives investigated were pumping the residuals to Blue Plains for dewatering and disposal; dewatering at the site, and trucking to disposal, and a mono-fill landfill. Of the alternatives, the on-site dewatering and trucking was deemed to be the most feasible and cost effective.

The on-site dewatering facility would be built on Little Falls Road behind Sibley Hospital. This would require normally approximately eight trucks per day on a five days per week schedule. Local residents remain opposed to this proposal, objecting to the truck traffic as well as the size of the building.

EPA has directed the Aqueduct to cease returning residuals to the river not later than December 2009. With the proposal being published in the Federal Register September 23 for a 30-day public comment period, the Aqueduct is planning to start design in January 2006 to allow for completion of construction by December 2009. There is the possibility of a law suit and a restraining order to prevent the start of design.

The Aqueduct is requesting \$92 million in spending authority, but expects to be able to complete the project for approximately \$72 million.

The Committee asked what were the remaining objections of the neighbors. The main objection is the concept of industrialization of the area. Sibley Hospital is planning on constructing a new, and larger, hospital facility. With that, and the increased truck traffic from other sources, there is the fear that this would be another step in the industrialization of the area. They are also concerned about the theoretical maximum amount of the trucking required during wet weather. This could be as high as 25 trucks a day during an exceptionally wet season and when stockpiles had to be removed after several snow days when normal trucking could not be done.

The Committee asked about WASA's share of the financing. WASA is responsible for approximately 75% of total costs. By regulation, Corp of Engineer must have 100% of the contract value in-hand prior to award of a contract. WASA's funds would be placed in an escrow account by COE, with interest accruing to WASA's benefit. There was concern from the Committee over the cash flow implications to WASA. COE is working with OMB on legislation to provide some relief from the present billing practice. COE is also exploring Treasury Debt as a financing option for WASA which may also provide some relief.

#### **IV. WATER SERVICE PROGRAM**

1. Coliform Testing

The Committee asked Mr. Jacobus for a status on the hiring of a sampling technician. The Aqueduct has created a position for a Physical Science Technician, and is currently recruiting to fill it. In the interim, a temporary employee has been hired, and is working very well in the position.

WASA had one positive sample in August, and none in September to date.

2. Orthophosphate Addition/OCCT

The orthophosphate feed program is proceeding satisfactorily, and appears to be having the desired result.

3. LCR Compliance Testing: Results and Trends

Results of 42 of the last 100 samples have been received with only two exceeding the action level. The last round of 100 compliance samples for this semester is approximately 50% complete and will be completed by approximately November 15, 2005.

#### 4. System Flushing

The flushing program is approximately 82% complete. The program is taking longer than expected because each flushing is taking longer than originally anticipated. Originally, flushing was to be for three to five minutes. However, it was discovered that if allowed to continue after the water had cleared, a second 'slug' of sediment would appear as the high velocity dislodged additional sediment. This longer flushing is the protocol WASA is currently using.

The Committee asked what percentage of purchased water was being used for flushing. This information was not readily available, but will be provided to the Committee.

*On the following items, numbers V through X, the information was presented to the Committee in the agenda mailing, and questions from the Committee were addressed at the meeting.*

### **V. MATERIALS REQUESTED BY THE COMMITTEE AT THE JULY MEETING**

The Committee had requested that WASA staff provide a presentation of 1) all legal orders that WASA is working under, including the current status of meeting the requirements, and fines or penalties for not meeting the requirements, 2) a listing of the recommendations from the "Holder Report", and the current status in addressing the recommendations, and 3) a listing of the requirements under the EPA Lead and Copper Rule, and WASA's status in meeting the requirements. This information was included in the agenda mail out.

The Committee presented the following questions:

- Are we currently in compliance with all legal requirements? Yes, and we participate in monthly telephone conferences to coordinate with EPA.
- Have we incurred penalties under the legal requirements? No.
- Some of the items in the Holder Report were not addressed; could WASA staff provide a response to these? All of the items were previously addressed to the Board, and a copy of this report will be provided.
- In the event of being out of compliance with a legal requirement, how would this be communicated to the Board? Information on any non-compliance would be included in the General Manager's monthly report to the Board, and significant events would be emailed immediately.
- Does the time chart for the LTCP show the requirements under the Order or is it WASA's plan of action? The chart shows the requirements under the Order.

### **VI. WASA'S MAIN & O PUMPING STATIONS SITE VIS-À-VIS THE ANACOSTIA WATERFRONT PLAN**

WASA is working with the DC Department of Property Management and the Anacostia Waterfront Corp. on possible relocation of some of WASA's functions from the site. There is a Request For Interest in development of sites currently out relating to several sites, including some of Metro's and WASA's properties.

There is a request for Historical Landmark status on the original pumping station, and WASA staff sees no conflict with our current plans.

There was a discussion by the Committee on the Historic Landmark designation. The Committee ask if WASA staff knew who had requested the Historic Landmark designation, and staff responded that they did not. The Committee asked if any of WASA's other properties were designated, or had been requested to be designated, as Historic Landmarks, and staff responded that, to the best of their knowledge, none were so designated.

The Committee asked what WASA's current plans are for the development of the site. Approximately two years ago WASA was looking into alternate uses for the site, before the stadium plans were developed. Since the stadium development, WASA is keeping all options open, and does not have a fixed objective. We are working with the mayor's office on the possible relocation of some of WASA's operations that are currently at the site. Under certain options Sewer Services may no longer be located at a centralized site.

The Committee noted that from news reports, the Mayor is considering locating some of the DC Government offices to this area. Is WASA considering locating WASA offices to this site? Currently, WASA is not considering this; we are looking more for the site to generate revenue for WASA.

The Committee asked if WASA owns all of its properties? WASA does not own any of the properties; they are all DC Government property.

The Committee noted that the Board should develop a policy related to Historic Landmark designation of any of WASA's facilities. For this, they requested that the General Manager and staff develop a recommendation for the Board's action.

The General Manager proposed that first an inventory be developed of WASA facilities, with the pros and cons of Historic Landmark designation for each.

## **VII. DIGESTER PROJECT: M/WBE OUTREACH EFFORTS**

Loretta Caldwell, of L. S. Caldwell & Associates, Inc., made a presentation on the outreach program encouraging MBE and WBE participation in the Egg Shaped Digester Project. The program has extended to 27 states, and approximately 24,000 mailings have been made. We have advertised in approximately 100 newspapers, and with over 150 MBE and WBE trade organizations, including providing a link to WASA's web site from many of the trade organizations' web sites.

The Committee gave a high commendation for the outreach effort, and requested that after opening of bids, a presentation be made on the results of the effort. The Committee also requested that the General Manager publicize the results of this effort as well as other WASA successes in MBE and WBE participation (e.g. Main & O ≈ 48% and Lead Replacement Program > 90%, and the LSDBE program)

## **VIII. CASEY FOUNDATION GREEN ROOF STUDY**

A presentation was made on the results of the Casey Trees Endowment Fund Study of the vision of a green roof program in D.C. It was pointed out that this was a vision, and an action plan, and that it contained no information on implementation or feasibility. While several environmental groups have encouraged a greater percentage of WASA's plan to include LID's, EPA has not allowed WASA to include LID's in their implementation plan. However, WASA has included approximately \$3 million for tree planting, including 5-year maintenance. It was also pointed out that this is an evolving technology.

The Committee asked if WASA could develop a plan using LID's and other technology to eliminate the Rock Creek tunnel. With EPA giving no credit to WASA for use of LID's, it is considered unwise to invest the ratepayers money on a technology where WASA gets no credit. WASA has enlisted the support of environmental groups in an effort to receive credit for use of LID's.

**IX. THE LTCP/ANACOSTIA RIVER TUNNELS**

This item was deferred to the next meeting as the first agenda item. The Committee asked the following questions:

Has the position for Project Manager for this project been advertised? Yes, recruitment is currently active.

Who is the current contact for CDM? Larry Williams.

What are WASA's milestones for the project? The milestones established by the court are WASA's current milestones.

**X. FACT SHEET FORMAT**

A revised, outline format for Fact Sheets was presented to the Committee for consideration. The Committee directed the staff to proceed with this format for the next Committee Meeting unless the Chairman directed otherwise prior to the next Board Meeting.

## XI. 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>
010140	Construction (Joint Use)	FRU-CON Construction Corp.	Change Order	\$260,649.00
020020	Construction (Joint Use)	Ulliman Schutte Construction, LLC	Change Order	\$256,892.00
000160	Engineering Services (Joint Use)	W.M. Schlosser Company, Inc.	Change Order	\$29,452.00
DCFA #380-WSA	Engineering Services (Joint Use)	Malcolm Pirnie Engineers, PLLC	Supplemental Agreement	\$437,551.00
020130	Construction (Joint Use)	W.M. Schlosser Company, Inc.	Change Order	\$156,974.00
DCFA #402-WSA	Engineering Services (Non-Joint Use)	HMMBaker Joint Venture	Agreement	\$18,900,000.00
050220	Construction (Non-Joint Use)	Capitol Paving of D.C., Inc.	Construction Contract	\$8,500,000.00
010030	Construction (Non-Joint Use)	Fort Myer construction Co., Inc.	Change Order	\$3,250,000.00
WAS-01-023-AB-DW	Services (Joint Use)	JABB II. LLC	Third Option Year	\$11,290,545.00
WAS-02-024-AA-DW	Services (Joint Use)	EMH Environmenatl, Inc.	Third Option Year	\$300,000.00
050120	Construction (Non-Joint Use)	Flippo Construction Co., Inc.	Change Order	\$127,875.00
DCFA #392-WSA	Engineering Services (Non-Joint Use)	Bryant Associates, Inc.	Supplemental Agreement	\$3,500,000.00
WAS-04-024-AA-VW	Services (Joint Use)	Topflite Building Services	First Option Year	\$

Mr. Dunn noted that some of the Construction Contract Change Orders are approaching or exceeding the WASA goal of 5%, and that an explanation of each project exceeding the threshold would be explained to the Committee at the next meeting.

The Committee made the following requests:

- DCFA #402-WSA: add the percent of the contract that will be dedicated to the Lead Replacement Program, and the percent that will be used for the remainder of the work. Also include a statement about past performance.
- WAS-01-023-AB-DW: add information indicating that this is still a good price for the service.
- WAS-02-024-AA-DW: at the end of the write-up, indicate that this is for an extension of the time.

With the requests addressed, the action items were approved unanimously.

## **XII. EMERGING ISSUES**

### 1. USEPA Sanitary Survey

Staff reviewed the status of USEPA's recent Sanitary Survey which included the Washington Aqueduct as well as DCWASA facilities. No major issues are outstanding.

### 2. Closing of Mirant's Potomac River (Alexandria) Generating Station

There was a letter to the Board relating to reliability of the electrical power supply associated with the shutdown of the Potomac Generating Station in Alexandria. Staff is following this issue and has had contact with PEPCO regarding their ability to supply Blue Plains during periods of high load. A meeting is scheduled with PEPCO in early October.

## **XIII. OTHER BUSINESS**

The Committee asked that prior to the Board Retreat, they receive information relating to the General Manager's authority to sign contracts. How many Fact Sheets came to the Committee last year at the General Manager's current authority of \$1 million? How many would have come if the GM's authority were at \$1.5 million? At \$2 million? The General Manager indicated that he would pass on the information as well as the full policy, which addresses Change Orders and other considerations.

## **XIV. ADJOURNMENT**

Mr. Caldwell adjourned the meeting at 12:13 p.m.