



**District of Columbia  
Water and Sewer Authority**

**Board of Directors**

**Environmental Quality and Sewerage  
Services Committee**

*Thursday, September 17, 2015*

*9:30 a.m.*

**MEETING MINUTES**

**Committee Members Present**

James Patteson, Chairperson  
Matthew Brown  
Rev. Kendrick Curry  
Brenda Richardson  
Howard Gibbs  
David Lake  
Bo Menkiti

**DC Water Staff Present**

George Hawkins, CEO and General Manager  
Len Benson, Chief Engineer  
Randy Hayman, General Counsel  
Linda Manley, Secretary to the Board

**I. Call to Order**

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

**II. AWTP STATUS UPDATES**

**1. BPAWTP Performance**

Mr. Aklile Tesfaye, Assistant General Manager for Wastewater Treatment, reported that the monthly average influent flow was 263 MGD, bringing the 12-month average to 289 MGD. 1.16-inches of precipitation fell during the August reporting period. Mr. Tesfaye commented the new enhanced nitrogen removal facility is performing well, producing a low total nitrogen concentration of 2.53 mg/l. Overall, plant performance was excellent with 100% permit compliance. Biosolids production was 440 wet tons per day (wtpd).

Mr. Tesfaye presented a new bar graph depicting the Blue Plains energy usage showing energy supplied from Pepco and the energy from the Combined Heat and Power (CHP) facility as of August 2015. Mr. Tesfaye noted that CHP is in the commissioning phase with all systems in service undergoing testing and optimization as part of the required performance guarantees. Mr. Tesfaye noted that Blue Plains energy demand for August was 625 MWH/day where approximately 166 MWH/day or 26% was supplied by the CHP facility. The committee inquired if one-third of the Blue Plains energy requirements would eventually come from the CHP facility once the facility is fully operational. Mr. Tesfaye responded the CHP facility is generating 7MW during the commissioning phase, which will be completed in November 2015 at which time the energy to be supplied from CHP is anticipated to be 8.5 MW average.

Mr. Tesfaye commented the two-day annual NPDES compliance inspection conducted by the

Department of Energy and Environment (DOEE) on behalf of EPA was completed on August 27, 2015 with the DOEE inspectors noting satisfaction with the Blue Plains O&M status and no major issues.

### **III. UPDATES: POTOMAC INTERCEPTOR SEWER**

#### **1. Odor Abatement Project**

Mr. Len Benson, Chief Engineer, reported that the DC Site 1995 had an odor complaint in August due to an odor bleed through the carbon media and valve actuator malfunction. Site 1995 was shut down to correct the issues on August 30, 2015 and will be placed back-in-service by September 17, 2015. Mr. Benson noted the current carbon media at DC Site 1995 will be replaced with the carbon media blend being used at Maryland Site 27 (Old Angler's Inn).

Mr. Benson reported the new carbon media blend at Site 27 (Old Angler's Inn) installed in July 31, 2015 has resulted in no odor complaints and odorous sulfur compounds are below the detection limit. Mr. Benson highlighted that July and August were dry and hot months, which are typically optimum conditions for the odorous sulfur formation, but that the new media blend was successful in treating the odors. Virginia Site 31 is approximately 98% complete with substantial completion and turnover to DC Water expected by October 19, 2015. Loudoun Site 46 is approximately 99% complete with landscaping and training remaining to be completed and turnover to DC Water expected by October 19, 2015.

Mr. Benson commented that the carbon media to treat H<sub>2</sub>S costs \$77k and the carbon media blend to treat both H<sub>2</sub>S and DMS costs \$66k. Mr. Benson noted that the new carbon media blend will be installed at the DC, Maryland, and Virginia sites in the future. The committee asked about the media at Site 27 (Old Angler's Inn) useful life. Mr. Benson responded the estimated media life is approximately equal to that of the unblended carbon media.

### **IV. ACTION ITEM - JOINT USE**

1. Contract No. 15-PR-DIT-41, Wipro Limited, GeoDecisions & EMA Services
2. Contract No. WAS-11-009-AA-MB, Mb Staffing Services
3. Contract No. 440001195, Insight Public Sector
4. Contract No. 15-PR-WWT-21, Kuehne Chemical Co., Inc.
5. Contract No. 14-PR-DFS-078, M&N Contractors, LLC
6. Contract No. NJPA #102811– National Auto Fleet Group

Mr. Dan Bae, Director Procurement, presented the action items 1 through 5.

Action Item 1 is a request to execute a contract for software application development with three selected firms. The committee asked whether there were District firms. Mr. Bae responded that the contract was advertised and the four firms that submitted a proposal were not District firms.

Action Item 2 is a request to execute a contract for temporary staffing services for HCM. The committee asked about the purpose of the Sourcing Request Form. Mr. Bae responded that the form was included to provide additional background information for the contract request. The committee inquired to the necessity of the contract. Mr. Hawkins responded that the contract is primarily used as a stop gap/temporary measure when employees leave the authority to keep



the operation running until a permanent replacement is hired.

Action Item 3 is a request to execute a contract for Microsoft software maintenance renewal.

Action Item 4 is a request to execute a contract for the supply and delivery of Liquid Sodium Hypochlorite. The committee commented on whether there are other suppliers of liquid sodium hypochlorite beside the one that submitted the proposal, and requested a survey of other suppliers being used by the other utilities. The committee commented that the contract will be advanced this time but future contracts for said supply need to identify additional suppliers on the fact sheet. Mr. Bae responded future contracts will solicit additional bidders.

Action Item 4 is a request to execute a contract for janitorial services at DC Water facilities.

Action Item 5 is a request to execute a contract for work and meter trucks.

#### **ACTION ITEM – NON-JOINT USE**

1. Contract No. 150040, Underwood & Associates, Inc.

Mr. Len Benson, Chief Engineer, presented the action item 1.

Action Item 1 is a request to execute a contract to rehabilitate and restore Pope Branch Stream. Mr. Benson noted the lowest bidder was deemed non-responsive; therefore, the second lowest bidder was selected. The committee inquired on the certification program for similar type of work. Mr. Benson responded that the certification program will be discussed during the Green Infrastructure report by Mr. Carlton Ray, Director of Clean Rivers.

The Committee will recommend the action items to the full Board.

#### **V. CLEAN RIVERS QUARTERLY REPORT AND GREEN INFRASTRUCTURE NATIONAL CERTIFICATION PROGRAM**

Mr. Carlton Ray, Director Clean Rivers Project, noted the Anacostia River basin projects below RFK stadium: Anacostia River Tunnel and Blue Plains Tunnel (Division A), as well as the 1<sup>st</sup> Street Tunnel are under construction, and the NE Boundary Tunnel procurement is underway. He then turned the presentation over to Mr. Chris Allen, Assistant Director DCCR to provide an update on the status of the Blue Plains Tunnel. Mr. Allen reported that the major tunneling portion has been completed, reaching Main Pumping Station (MPS) on June 30, 2015. Mr. Allen commented Division H (Anacostia River Tunnel) tunneling will begin in late October 2015. Mr. Allen commented Division P (First Street Tunnel) tunneling is 10% complete and the concrete shaft walls have been completed.

Mr. Ray explained the green infrastructure (GI) challenge is leveraging opportunities with DDOT and Parks Projects to reduce cost to DC Water by building GI while the area is already being disturbed. The committee inquired as to which party would be responsible for maintaining the GI areas in the right-of-way. Mr. Ray responded DC Water would be responsible for

maintaining the GI. Mr. Ray noted the consent decree modification comment period closed on July 27, 2015 and the Department of Justice (DOJ) has indicated a favorable response to the consent decree modification that is expected to be finalized in the next several months. The modification has specific milestone dates for building the GI projects and for overall completion by March 2030. Mr. Ray noted the first GI projects are in the Potomac River and Rock Creek sewer sheds. The committee asked if the goals are to monitor volume reduction. Mr. Ray confirmed that rainfall runoff volume reduction is the goal as well as measuring and documenting that the GI volume reduction is comparable to the previous grey infrastructure design option.

Mr. Ray explained that one of the Memorandum of Understanding (MOU) requirements for the green infrastructure jobs consists of the development of GI certification standards including a list of DC Water commitments. Mr. Ray noted that one of the goals is to develop a GI certification that will be recognized as national. Mr. George Hawkins, CEO and General Manager, commented the Water Environment Federation (WEF) will be contracted to develop the GI certification standards while a separate contract for GI training programs is being defined by DC Water. The committee commented that there should be more District firms and organizations involved in the GI training programs. Mr. Hawkins responded that District firms' participation will be ensured as part of the training programs.

The committee requested a tour of the First Street Tunnel Project to be scheduled in the next 3 months. Mr. Ray suggested the tour be scheduled earlier, while the tunneling operation is still proceeding. The committee requested that Mr. Ray provide several dates for the site visit for the committee members to confirm their availability.

## **VI. CIP QUARTERLY REPORT**

Mr. Benson noted the current FY15 CIP disbursement forecast is approximately 96% of the originally projected amount. Details of the pluses and minus by each service area are given in the meeting materials under this agenda item. In general, performance has been nominal with only the following variances being notable.

The CSO Service Area is projected to be \$24.1M below baseline with the ground inflow incident at the Anacostia River Tunnel (ART) attributing to the construction delays. The issue has been resolved and the contractor has resumed tunneling operations. The First Street Tunnel (FST) contractor is approximately 60 days behind schedule. The ART and FST contractors are working on a recovery schedule and DC Water expects the tunnel contracts to meet all consent decree milestones.

Mr. Benson noted that the Upper Potomac Interceptor Relief Sewer (UPIRS) Heavy Cleaning Project requires close coordination with the Kennedy Center (KC) to clean the (nominally) 96" diameter UPIRS in the area that runs around the KC, where debris accumulation in some stretches of the sewer pipe has reached approximately 1-foot from the sewer crest. A permit is being negotiated to provide access across and temporary use of a part of the KC property to accomplish the planned contract work. The cleaning contract is expected to start in December 2015 and finish by the end of March, 2016.

Mr. Benson presented a new format for reporting KPI performance in lieu of the previous bar charts and requested for feedback from the committee. The committee commented the method of presentation of the previous bar format was difficult to understand and complimented on the



simplicity of the new KPI format. Mr. Benson explained the intent is to present the KPI as a dashboard for quick/high level project status reporting. The committee suggested the KPI report table be sorted chronologically by quarter. Mr. Benson responded he will look into doing this.

## **VII. OTHER BUSINESS/EMERGING ISSUES**

None

## **VIII. VI. EXECUTIVE SESSION**

No executive session was held.

## **IX. IX. ADJOURNMENT**

The meeting was adjourned at 10:48am.

### **Follow-up Items**

1. Provide the committee with several option dates to tour of the First Street Tunnel project and work in the vicinity in the months of October/November 2015.