



## DISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY

### Board of Directors

*Meeting of the  
Environmental Quality and Sewerage Services  
Committee*

*5000 Overlook Avenue, SW, Room 407  
Thursday, December 18, 2014  
9:30 a.m.*

**I. Call to Order**

Bo Menkiti  
Acting Chairperson

**9:30 a.m. II. AWTP Status Updates**

Walt Bailey

1. [BPAWTP Performance](#)

**9:40 a.m. III. Status Updates: Potomac Interceptor Sewer**

David McLaughlin

1. [Odor Abatement Project](#)

**9:50 a.m. IV. Action Items – Joint Use**

Teresa Scott/Len Benson

1. [Contract No. 14-PR-DIT-06, Namtra Business Solutions](#)
2. [Contract No. 14-PR-DIT-01, Advance Digital Systems](#)
3. [Contract No. 14-PR-DIT-08, Peak Technology Solution](#)
4. [Contract No. 14-PR-DIT-09, Softworld, Inc](#)
5. [Contract No. 14-PR-DIT-10, Tessada & Associates](#)
6. [Contract No. 14-PR-DIT-07, Networking for Future](#)
7. [Contract No. GS111T08BJD6001, Verizon Federal](#)
8. [Contract No. WAS-12-066-AB-RE, BASF Corporation](#)
9. [Contract No. WAS-12-066-AA-RE, Polydyne, Inc](#)
10. [Contract No. WAS-13-025-AA-RE, Carter & Carter](#)
11. [Contract No. WAS-12-063-AA-RA, Allied Barton](#)
12. [Contract No. 14-PR-DFS-02, ADP Group, Inc.](#)
13. [Contract No. DCFA #425-WSA, HDR Engineering, Inc.](#)

10:05 a.m. V. **Cured in Place Pipe Lining Sub-Contract Opportunities** Len Benson

10:25 a.m. VI. **Other Business/Emerging Issues** Len Benson

10:30 a.m. VII. **Adjournment**

Bo Menkiti  
Acting Chairperson

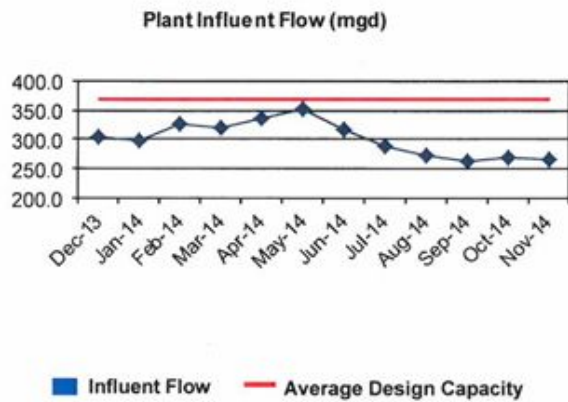
\* The DC Water Board of Directors may go into executive session at this meeting pursuant to the District of Columbia Open Meetings Act of 2010, if such action is approved by a majority vote of the Board members who constitute a quorum to discuss: matters prohibited from public disclosure pursuant to a court order or law under D.C. Official Code § 2-575(b)(1); contract negotiations under D.C. Official Code § 2-575(b)(1); legal, confidential or privileged matters under D.C. Official Code § 2-575(b)(4); collective bargaining negotiations under D.C. Official Code § 2-575(b)(5); facility security under D.C. Official Code § 2-575(b)(8); disciplinary matters under D.C. Official Code § 2-575(b)(9); personnel matters under D.C. Official Code § 2-575(b)(10); proprietary matters under D.C. Official Code § 2-575(b)(11); decision in an adjudication action under D.C. Official Code § 2-575(b)(13); civil or criminal matters where disclosure to the public may harm the investigation under D.C. Official Code § 2-575(b)(14), and other matters provided in the Act.

**Follow-up Items from Prior Meetings:**

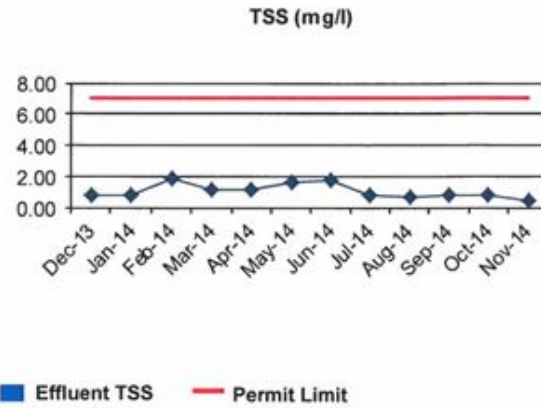
1. Provide renderings of the proposed Poplar Point Pumping Station; **{Completed}**
2. Provide a presentation on the M/WBE subcontracting program at a future Committee meeting. **{Scheduled for 12/18/14 Committee Meeting}**

## DEPARTMENT OF WASTEWATER TREATMENT November 2014

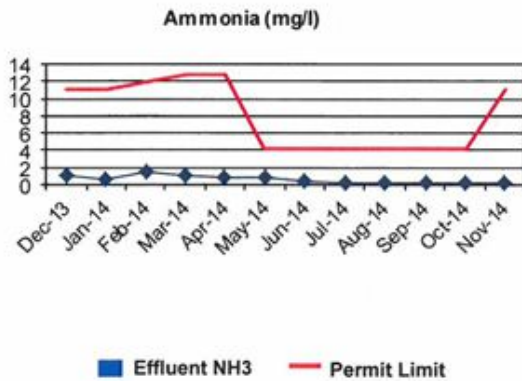
Average plant performance for the month was excellent with all effluent parameters well below the seven-day and monthly NPDES permit requirements. The monthly average influent flow was 267 MGD. There was 43 MG of Excess Flow during this reporting period. The following Figures compare the plant performance with the corresponding NPDES permit limits.



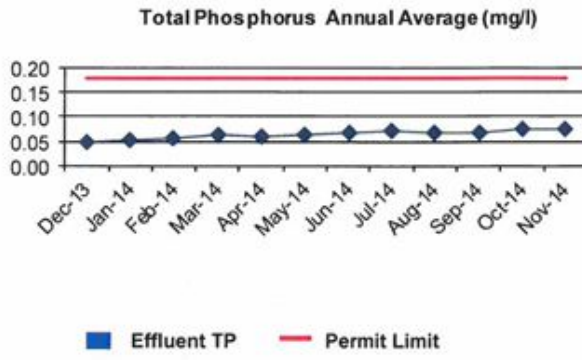
This graph illustrates the monthly average influent flow to the plant. The design average flow is 370 MGD. Blue Plains has a revised 4-hour peak flow capacity of 511 MGD through complete treatment. Flows up to 336 MGD in excess of the 511 MGD peak capacity receive primary treatment, disinfection and dechlorination.



Effluent Total Suspended Solids (TSS) is a measure of the amount of solid material that remains suspended after treatment. The effluent TSS concentration for the month averaged 0.39 mg/L, which is below the 7.0 mg/L permit limit.

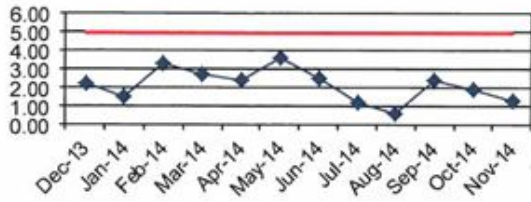


The Ammonia Nitrogen (NH<sub>3</sub>-N) is a measure of the nitrogen found in ammonia. For the month, effluent NH<sub>3</sub>-N concentration averaged 0.16 mg/L and is below the average 11.1 mg/L limit.



The Total Phosphorus (TP) is a measure of the particulate and dissolved phosphorus in the effluent. The annual average effluent TP concentration is 0.07 mg/L, which is below the 0.18 mg/L annual average limit.

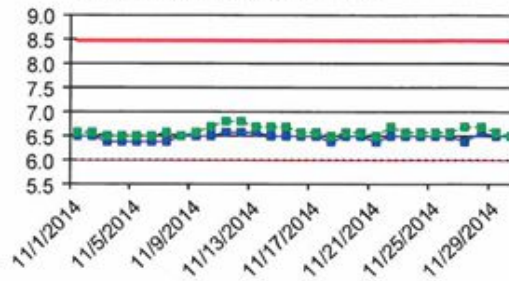
CBOD (mg/l)



■ Effluent CBOD    — Permit Limit

Carbonaceous Biochemical Oxygen Demand (CBOD) is a measure of the amount of dissolved oxygen required for the decomposition of organic materials. The effluent CBOD concentration averaged 1.20 mg/L (partial month) which is below the 5.0 mg/L limit.

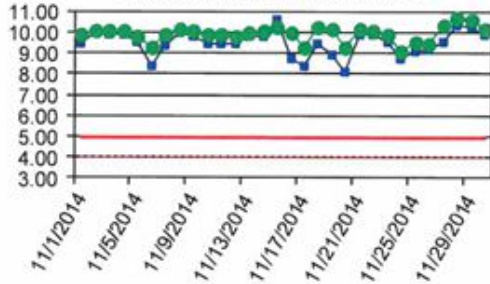
Min and Max Instantaneous pH



● MAX pH    ■ MIN pH    — Upper Limit    - - Lower Limit

pH is a measure of the intensity of the alkalinity or acidity of the effluent. The minimum and maximum pH observed were 6.4 and 6.8 standard units respectively. The pH was within the permit limits of 6.0 and 8.5 for minimum and maximum respectively.

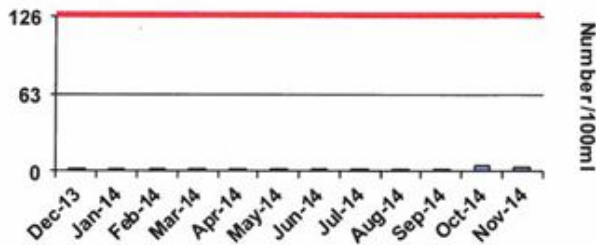
Daily and Instantaneous Min DO



● MIN Daily Average    ■ Instant MIN DO  
 — MIN Daily Average Limit    - - Instant MIN Limit

Dissolved Oxygen (DO) is a measure of the atmospheric oxygen dissolved in wastewater. The DO readings for the month are within the permit limits. The minimum daily average is 9.1 mg/L. The minimum instantaneous DO reading is 8.1 mg/L. The minimum permit limits are 5.0 mg/L and 4.0 mg/L respectively.

E. coli



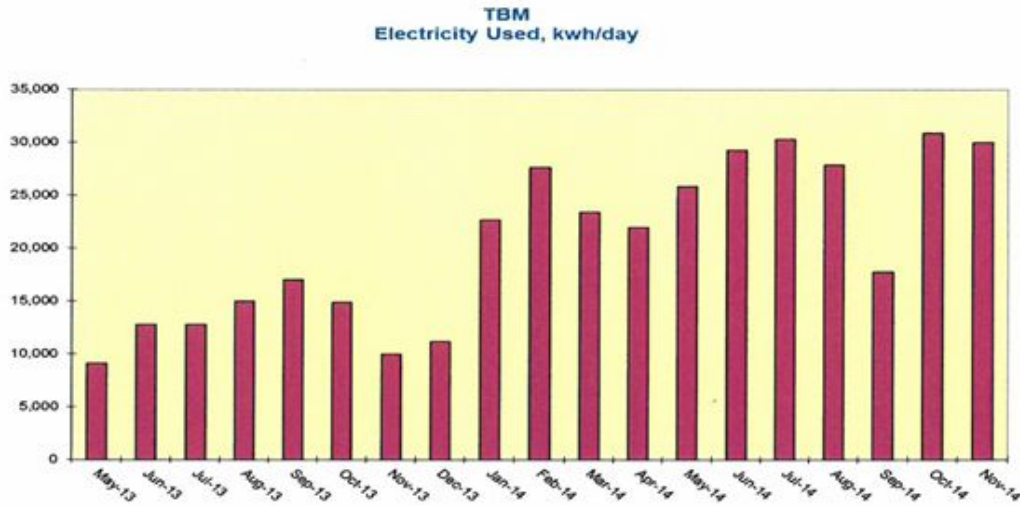
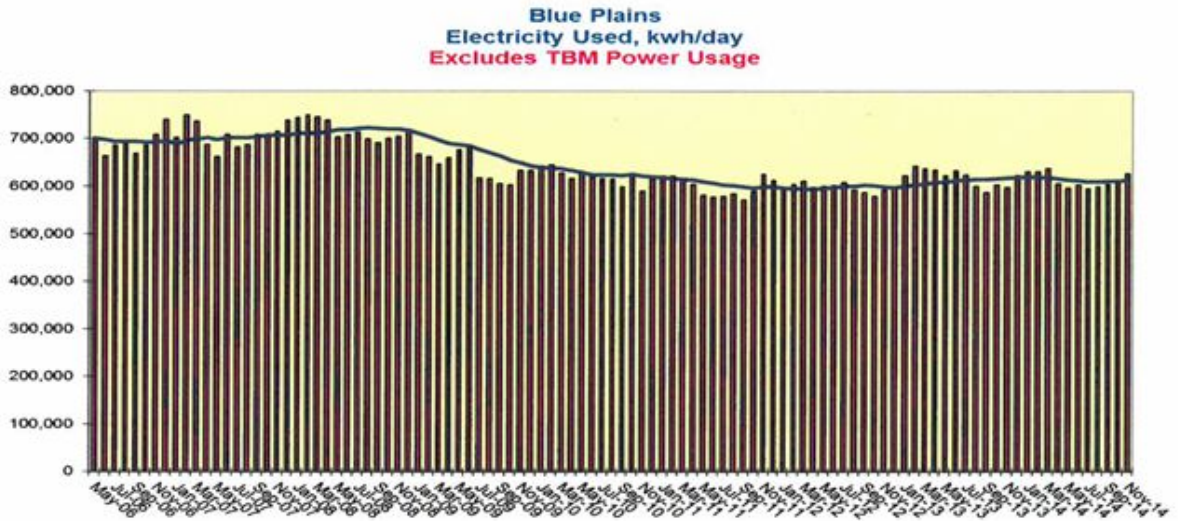
■ E. Coli Geomean    — Permit Limit

E.coli is an indicator of disease causing organisms (pathogens). The E.coli permit limit is 126/100mL. The E coli geometric mean is 1.2/100mL, and well below the permit limit.



## BLUE PLAINS ELECTRICITY USAGE

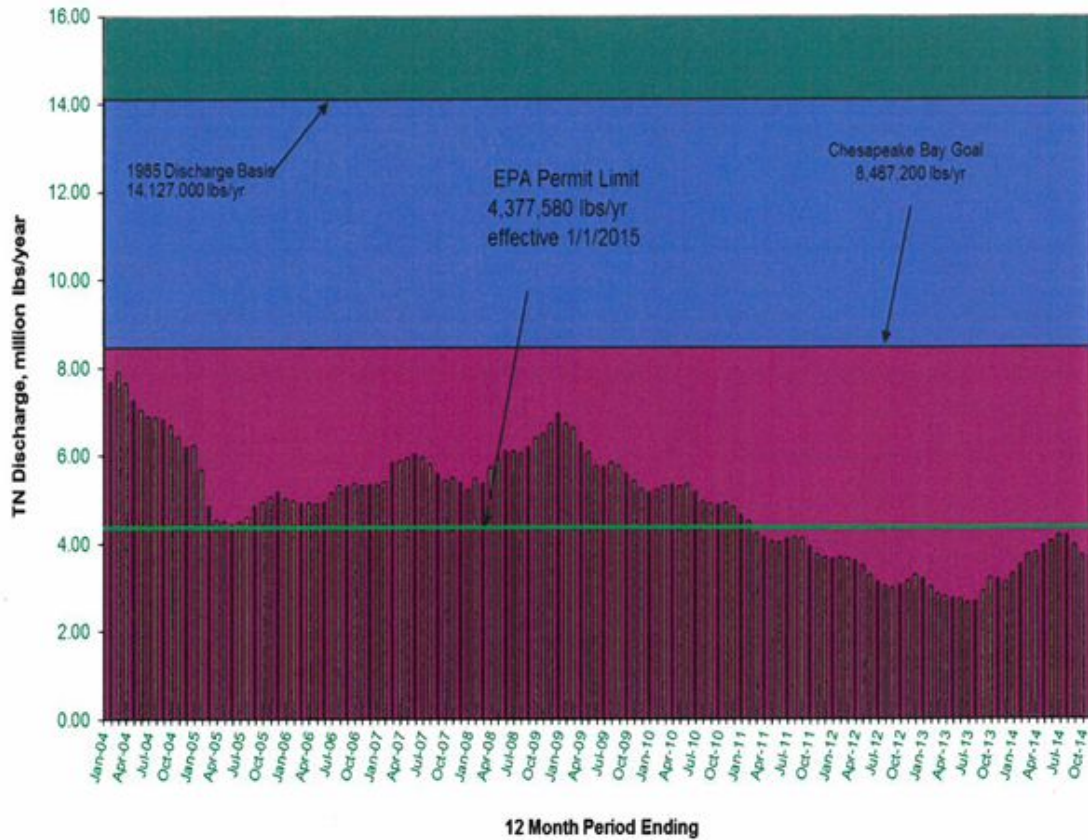
Blue Plains AWWTP has installed Power Monitors at critical points within the power distribution system to monitor power usage. The graph below is based on the installed power monitors and reflects usage at Blue Plains.



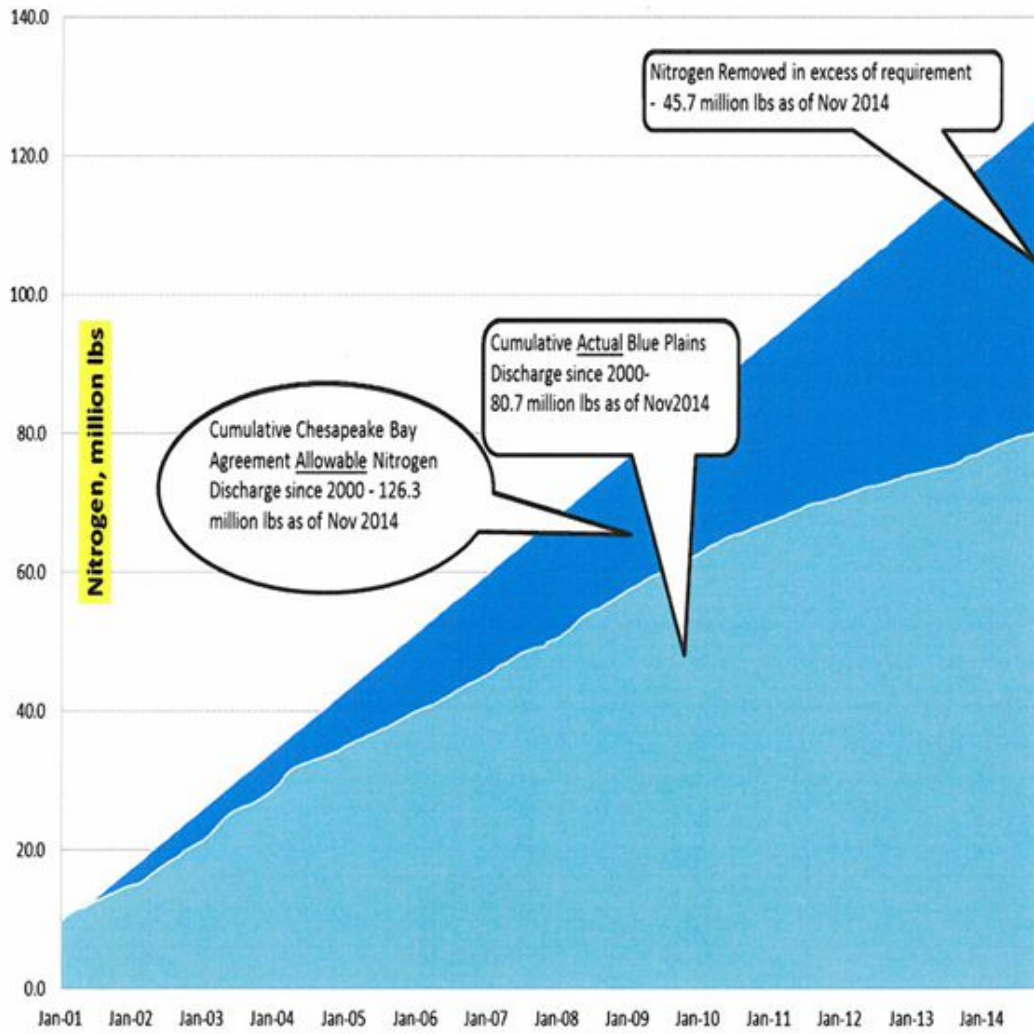
### BIOLOGICAL NUTRIENT REMOVAL PERFORMANCE

During the month the full-scale BNR process produced an effluent with average total nitrogen concentration of 3.90 mg/l. The figure below shows Blue Plains effluent total nitrogen (TN) since the implementation of full scale BNR. The Figure shows Blue Plains meeting the Chesapeake Bay Goal of discharging less than 8,467,200 lbs/yr of TN.

### Annual Total Nitrogen Load, lbs/yr



### Cumulative Nitrogen Discharged Since 2000



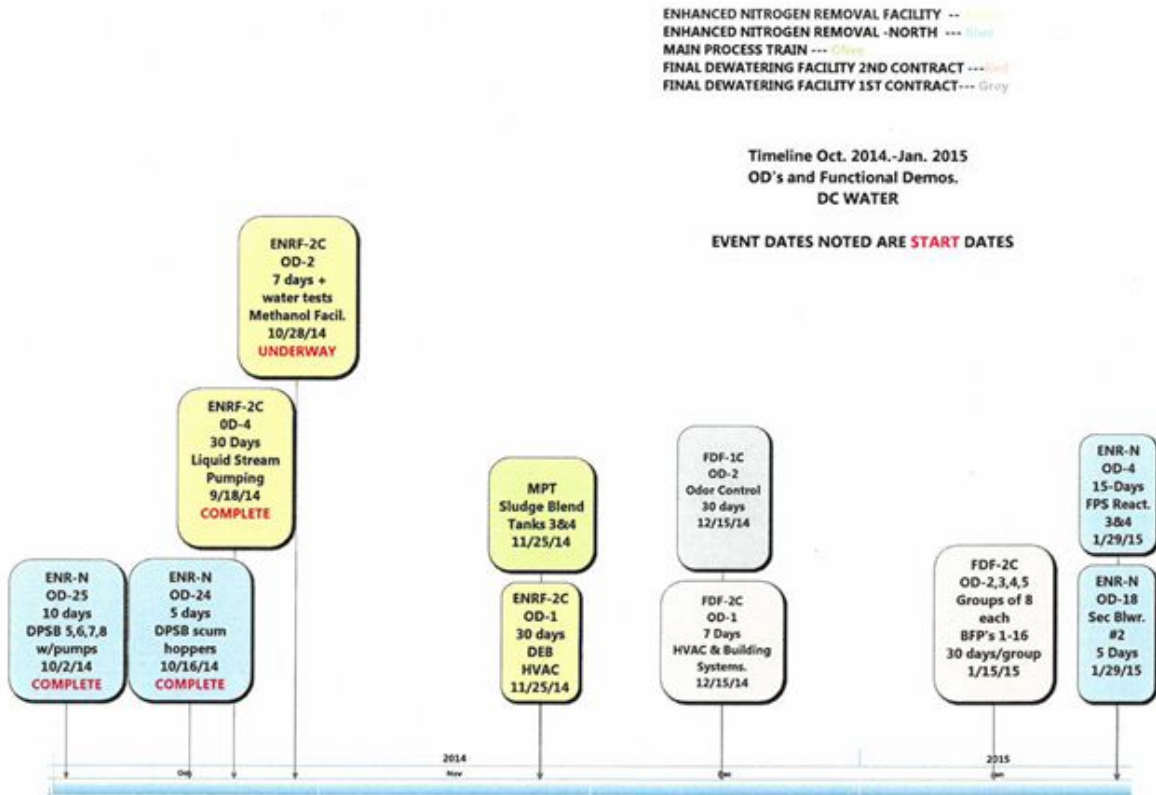
## START-UP AND COMMISSIONING UPDATE

As some parts of the nearly \$1 billion in construction activities at Blue Plains are winding down, the start-up and commissioning process is moving ahead. This process involves testing the newly built facilities to ensure:

1. the facilities perform as designed,
2. they are completed in accordance with an integrated schedule,
3. interfaces with Blue Plains have been made,
4. capture all new assets,
5. identify and order critical spare parts,
6. develop standard operating procedures, and
7. train personnel to take over the new facilities.

### Operational Demonstrations:

One part of the construction checkout process is called the Operational Demonstration (OD). The OD process provides a platform for the contractor and DC Water to prove out the newly constructed process under the various design conditions which can last from 5 days to 1 year. Following is the three month OD look-ahead for 2014.





In November, many Operational Demonstrations were conducted. These demonstrations included the completion of Enhanced Nitrogen Removal – North’s improvements to the Secondary Reactor #4; testing the integrity of the Main Process Train project’s Sludge Blend Tank #1 for solids processing; and testing of the Enhanced Nitrogen Removal Facility #2 project’s liquid side pumping. Three additional Operational Demonstrations were started in October, two of which have successfully been completed and one is ongoing. These demonstrations include the Enhanced Nitrogen Removal – North’s Dual Purpose Sedimentation Basins 5, 6,7, & 8; the Enhanced Nitrogen Removal – North’s Dual Purpose Sedimentation Basins Scum Hoppers and the Enhanced Nitrogen Removal Facility’s Methanol Facility.



### **FUNCTIONAL TEST: ENRF-2C Harmonic Testing (Post OD 4)**

- With the liquid stream pumping OD complete, harmonics testing on the electrical equipment was conducted to ensure that the electric running the equipment is "clean" and will not damage the large submersible pump's VFD controllers.
- A 3 day is expected to be completed on Novmeber 21st.



### **PREPARATION FOR OPERATIONAL DEMONSTRATION: ENR-North - Blower Rehabilitation (OD 18)**

- Each of the 6 secondary blowers that provides air to the biological reactors that removes BOD from the wastewater are being rehabilitated in order to improves blower reliability, performance, and energy economics.
- In advance of this operational demonstration final ancilliary equipment required for blower operations and the test is being installed.

### **Training:**

Successful operation of the new facilities will require significant training of operations and maintenance employees on new processes, procedures and equipment. We are also continuously working with Human Capital Management with the Cornerstone Training program to schedule and track employee training.

Training completed from October 10, 2014 – November 14, 2014:

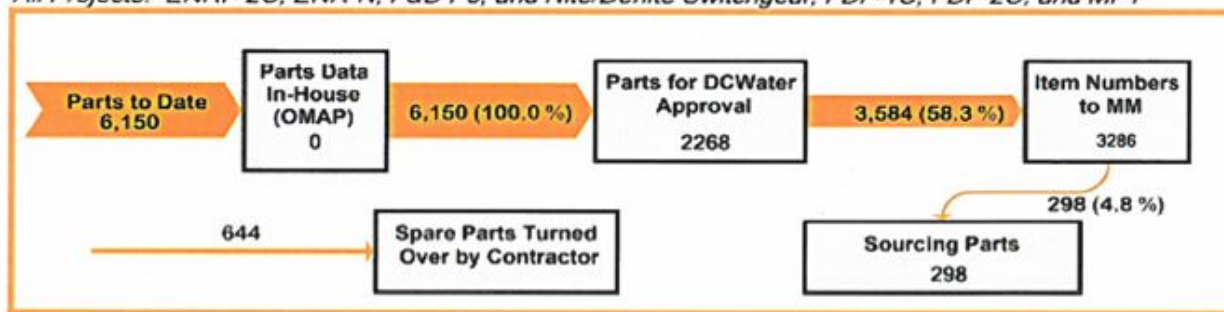
- 830 hours of vendor training were completed by DC Water personnel.
- 60 hours of other required training were completed by DC Water personnel.

**Asset Integration:**

The process of asset integration involves capturing and identifying over 15,000 unique assets associated with the new projects coming on-line. This is done to facilitate ordering of critical spare parts through Maximo, identify qualified vendors, and to develop standard operating procedures. Efforts up through the month of Mid-November 2014 include:

- Asset attributes based on approved service manuals continue to be logged into the Maximo maintenance program,
- Working with Materials Management (MM) to identify vendors for critical spare parts.
- Parts work flow is as follows:

*All Projects: ENRF-2C, ENR-N, F&D P3, and Nite/Denite Switchgear, FDF-1C, FDF-2C, and MPT*



**Project Acronym Key:**

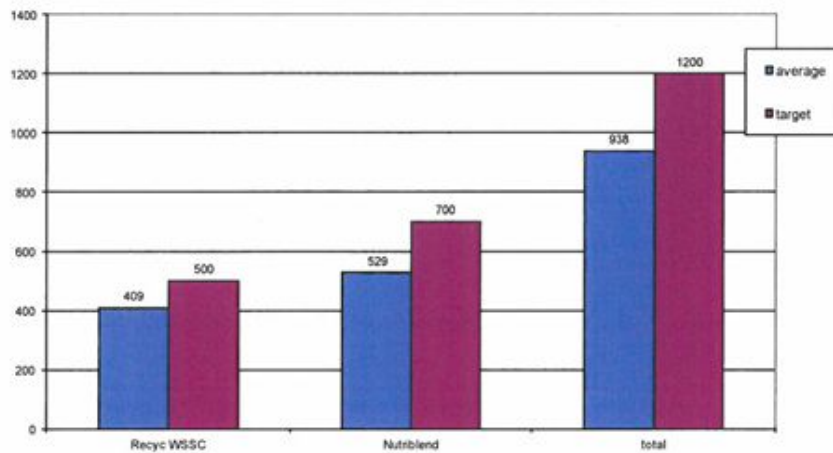
- ENRF-2C: Enhanced Nitrogen Removal Facility 2<sup>nd</sup> Contract
- ENR-N: Enhanced Nitrogen Removal – North
- F&D P3: Filtration and Disinfection Electrical Upgrades Phase 3
- Nite/Denite Switchgear: Nitrification/Denitrification Electrical Upgrades
- FDF-1C: Final Dewatering Facility 1<sup>st</sup> Contract
- FDF-2C: Final Dewatering Facility 2<sup>nd</sup> Contract
- MPT: Main Process Train

END

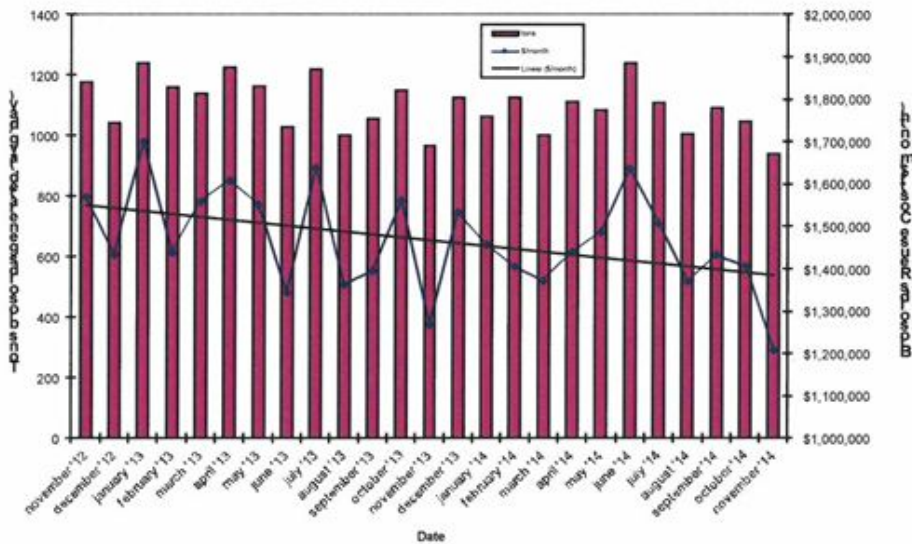
### BLUE PLAINS RESOURCE RECOVERY REPORT

In November, biosolids hauling averaged 938 wet tons per day. At the end of the month, we began producing digested biosolids. The last two days of the month, 4 loads of digested biosolids were hauled to a compost facility. Approximately 12 loads remained in the bunker at the end of the month. The graph below shows the hauling by contractor for the month of November. Average % solids for the unlimed cake was 27.5%. Average lime dose for the month was 23.5%. At the end of November the Cumberland County storage pad had approximately 6000 tons (~25,000 tons capacity), The Fauquier pad had 1303 wet tons (15,000 ton capacity), and the Cedarville lagoon had 3261 tons of Blue Plains biosolids (~30,000 tons capacity).

Average Daily Hauling by Contractor for November 2014

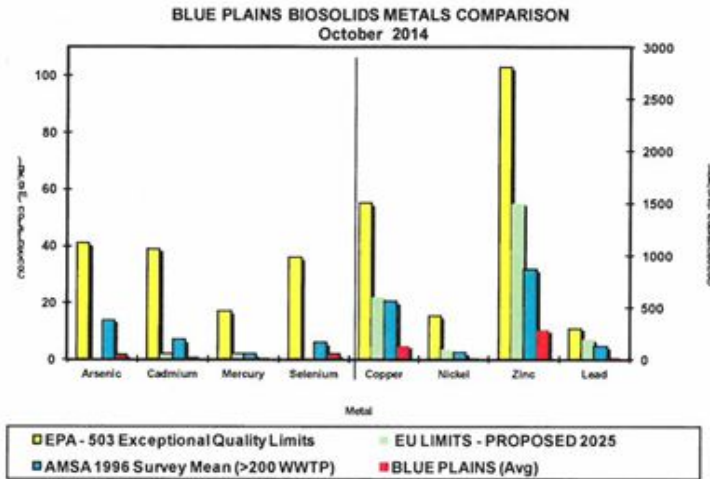


Average Daily Biosolids Production and Reuse Cost





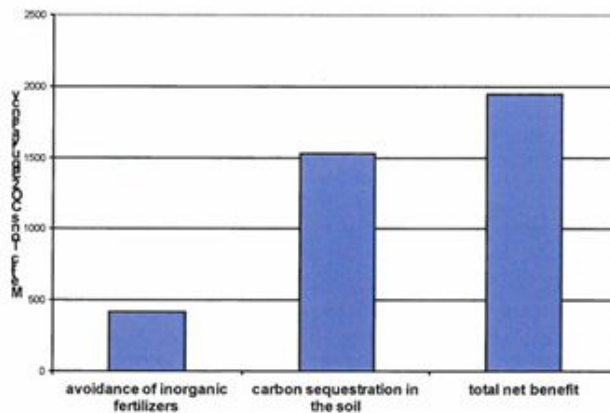
The graphs below show the EPA regulated heavy metals in the Blue Plains biosolids for the month of October 2014. As can be seen in the graphs, the Blue Plains levels are considerably below the regulated exceptional quality limits, the national average levels surveyed in 1996, and the European Union (EU) limits. The EU limits are more conservative than the USEPA limits, and Blue Plains biosolids metals content is lower than the EU standards as well.



### Environmental Benefits

The quantity land applied in October coming directly from the plant and from storage facilities equaled 33,498 tons. Taking into account the fuel required to transport biosolids to the field, the net benefit of the land applied material is 1948 metric tons CO<sub>2</sub> equivalent avoided emissions. This is equivalent to taking 3,967,419 car miles off the road in the month of October (assumes 20 mpg, 19.4 lb CO<sub>2</sub> equivalent emissions/gallon gas – EPA estimate). The cumulative total avoided carbon emission since January, 2006 is 136,374 metric tons CO<sub>2</sub> equivalent.

**DCWater Biosolids Recycling Program  
Greenhouse Gas Balance Benefits  
October 2014 Totals**





## November Highlights

### National Biosolids Partnership Environmental Management System Audit

In early November, staff spent a week with a third-party auditor (DEKRA) for our annual National Biosolids Partnership (NBP) Environmental Management System (EMS) audit. This audit is conducted annually to ensure that the biosolids reuse program is in compliance with the NBP standards and is on the path toward continual improvement. Based on results of this audit, DEKRA has determined that DC Water's Biosolids Management Program is functioning effectively and meets NBP expectations and requirements of the BMP Elements, with minor exceptions. DEKRA determined that the DC Water requires improvement in a few areas in order to ensure compliance with the NBP EMS standards. Staff prepared a corrective action plan to correct the non-conformances designed to track progress and ensure changes are made.

DEKRA Verification and our recommendation regarding NBP certification will be issued following review and approval of Corrective Action Plans (CAP) for the Nonconformances. The auditor also identified opportunities and strengths for the DC Water biosolids reuse program.

DEKRA identified 4 non-conformances. They are described as follows:

**1** - NBP BMP Element 12 requires the organization to control its BMP documents. The BMP procedure for controlling documents states that controlling documents requires "periodic review" and approval by an "authorized person". There is no statement of what periodic review means for documents (e.g. SOP's) of who is authorized to approve specific documents.

Staff notes in the CAP that we will make a change to the manual to reflect a schedule for review and identification of the authorized person.

**2** - NBP BMP Element 14 requires the organization to develop and implement a procedure to investigate any noncompliance with applicable regulatory requirements. A noncompliance in land application observed in 2012 (unpermitted field site) was not addressed using a BMP Corrective and Preventive Action procedure.

Staff notes in the CAP that although the issue was addressed in the monthly Biosolids Workgroup Meetings and recorded in the meeting notes,

**3** - NBP BMP Element 14 requires the organization to track progress in completing corrective actions for findings from third party audits. There is no evidence that planned corrective actions for minor nonconformance JS/13-02/16 (from the previous audit) have been completed.

Staff notes that the non-conformance was addressed, but the results were not recorded. Staff will provide the results to the auditor with the CAP.

4 - NBP BMP Element 16 requires the organization to establish and maintain an internal audit program to periodically analyze its BMP and to have its audit schedule approved by the third-party auditor. An internal audit has not been conducted since October 2012 and an internal audit plan has not been established. The internal audit process is not being used effectively to analyze the BMP and the third party auditor has not been involved in the internal audit schedule.

Staff has, as a result of this nonconformance, established an internal audit schedule and a means of recording the findings. Staff will begin this audit schedule immediately, with EMS elements broken up into four groups, which will be audited once per year or one group per quarter.

#### **Program Strengths**

- Continued excellent cooperation between DC Water and contractors for biosolids program planning, particularly in Workgroup meetings
- Management understands the benefits of using a management system approach for continual improvement

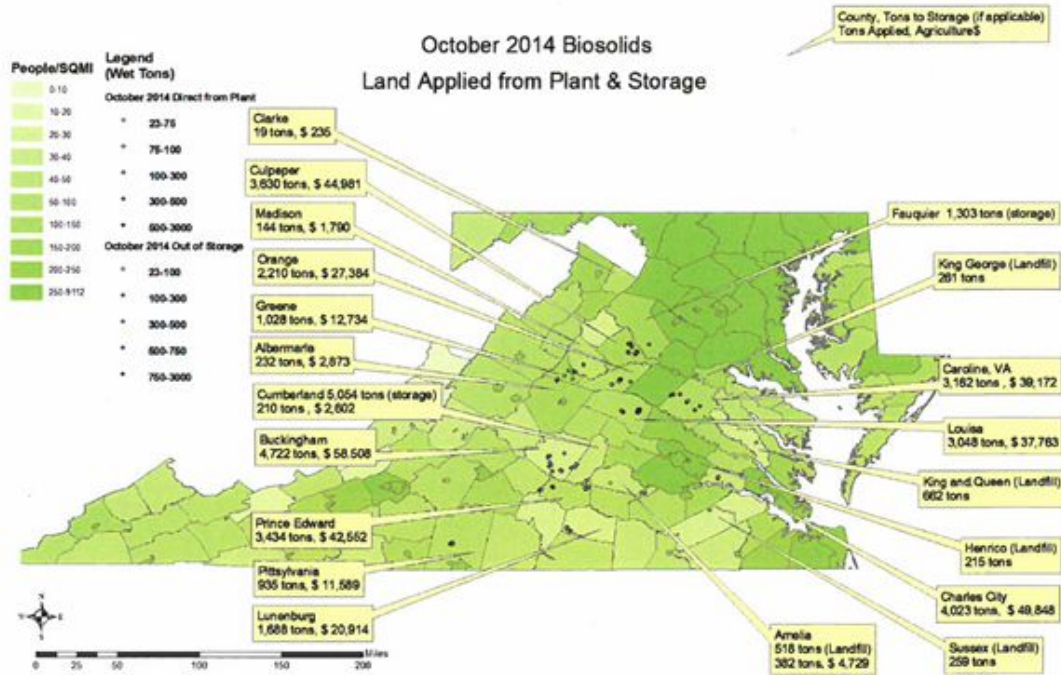
#### **Program Opportunities**

- Op1 The purpose of individual SOPs (Standard Operating Procedures) could describe the purpose of the operation rather than state only that the purpose is "to define operational procedures".
- Op2 Determine purpose of identifying critical control points & operational controls and prepare that identification consistent with those purposes.
- Op3 Written SOPs could include, or reference, quality, environmental, regulatory and interested party risks as part of the BMP.
- Op 4 More direct one-on-one discussions between the Resource Recovery Director and the General Manager could help in continually improving the management system.

#### **Mid-Atlantic Biosolids Association Seminar**

Staff presented at the Mid-Atlantic Biosolids Association (MABA) Seminar on High Quality Biosolids. DC Water's experience in the early to mid 2000s with addressing odor issues of our lime-stabilized biosolids was presented. Highlighted were efforts to research the root cause of odors—primarily insufficient mixing of lime and stratifying emulsion polymer. The audience was particularly interested in our use of MES as independent inspectors. Al Razik from MES helped field several questions. The seminar was followed by a discussion of the traits utilities and contractors should track to ensure a high quality product.

**Map of Blue Plains Biosolids Applications and Agricultural \$'s for October 2014**



## Clean Water Quality and Technology

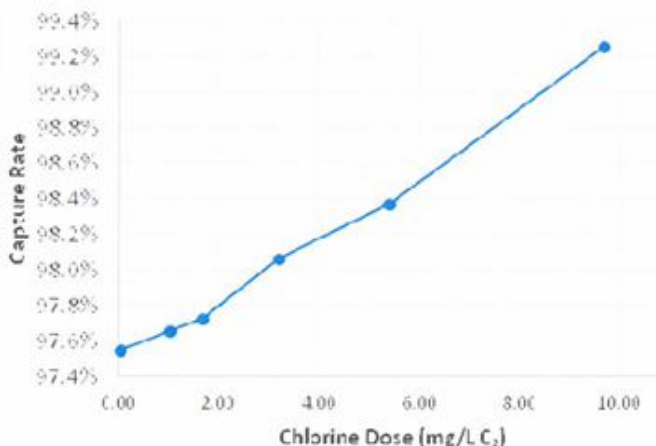
The Clean Water Quality and Technology department includes research and development, pretreatment and laboratory programs.

### Research and Development Program

#### Belt filter press dewaterability – impact of using chlorine and polyDADMAC coagulant on filtrate quality

Thermal hydrolysis (TH) coupled with anaerobic digestion (AD) is a biosolids treatment process has advantages such as improved specific methane production, decreased digester volume, and better dewaterability. For Blue Plains, limitations on digester space and the desire for Class A biosolids paired well with the TH-AD process. With the implementation of the system, savings would be realized in the energy generation and the reduction of costs associated with hauling and disposal due to higher cake solids. However, one of the main drawbacks of TH-AD sludge is the potentially greater polymer demand that would be required for conditioning the sludge when compared to conventional AD sludge.

This higher demand can drive up polymer cost which already attribute to a significant portion of operation and maintenance budget. Furthermore, the regulations for Class A biosolids require the chlorination of the make-down water used for the preparation of the polymer. Chlorination and other strong oxidants such as Fenton's reagent, ozone and hydrogen peroxide have been linked to the



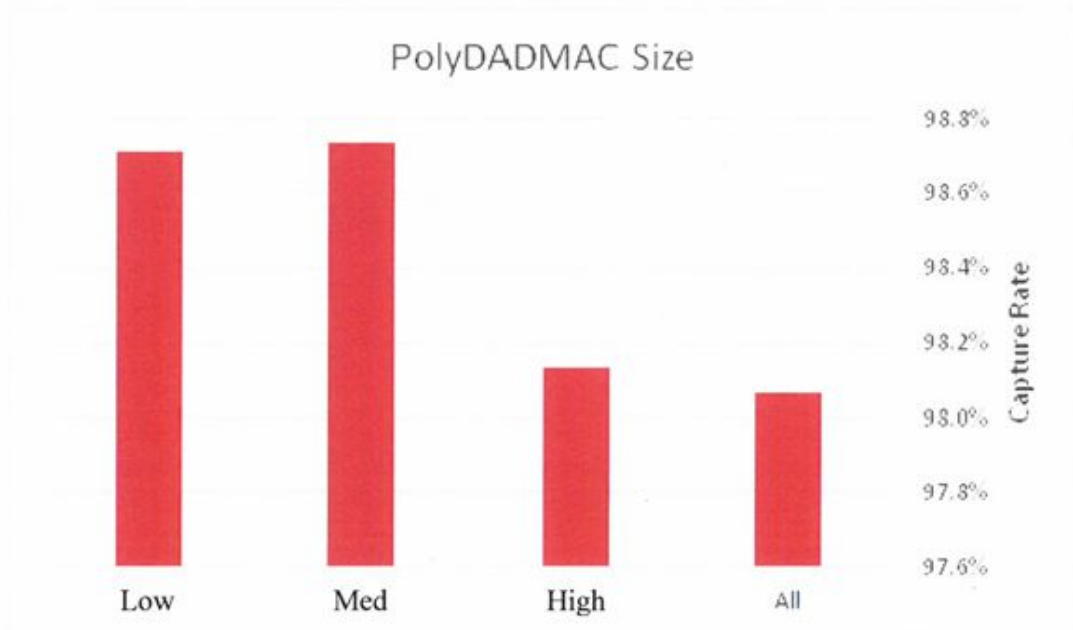
**Exhibit A. Impact of Chlorination on capture efficiency of dewatering process**

degradation of polymers therefore a potential decrease in its efficiency. The focuses of this study included evaluating the impact of the chlorination of polymer make-down water on TH-AD conditioning and the use of coagulant (to neutralize charge small size solids) and a flocculant (larger molecules) polymer in a dual polymer dosing strategy.

The study showed that an increase in the free chlorine concentration caused measurable change in viscosity. However, capture rates were found to increase (**Exhibit A**). In fact, the best performance occurred at the highest concentration which suggested TH-AD sludge has a polymer demand that exist in the low molecular weight (MW) size range below 2 million. This concept was investigated using a dual polymer addition system with polyDADMACs (Coagulant). Three polyDADMACs were used in this study: low, medium, and high MW polymers. The lower two MW polyDADMAC showed



improved performance in filtrate quality while a combination of all three polymers and the higher MW polymer have lowered capture rates (**Exhibit B**). Furthermore, increasing the dose of flocculant improved filtrate quality suggesting that conditioning was bridging limited. This was adjusted by using a higher molecular weight polymer of the same charge, which resulted in the highest capture rate of 99.9% with a decrease in flocculant dose. These findings showed a potential for reducing polymer dosing for conditioning cambi sludge and therefore a potential for significant savings in polymer cost.



**Exhibit B. Impact of coagulant polymer size on capture efficiency of dewatering process**

**Blue Plains Pretreatment Program**

The Blue Plains Pretreatment Program staff of two manages the Industrial Pretreatment Program, including temporary dischargers from construction activities, as well as the Hauled Waste Program. Additional responsibilities include providing specialized sampling and program management support for the Blue Plains NPDES permit and facilitating the quarterly Blue Plains Storm Water Committee meetings. Pretreatment staff participated in the annual DDOE plant inspection this month.

**Industrial Pretreatment Program**

DC Water currently manages fifteen (15) Significant Industrial User (SIU) permits and sixteen (16) Non-Significant Industrial User (NSIU) permits. One NSIU permit was renewed this month for Sibley Memorial Hospital. All SIUs and permitted IUs are currently in compliance with discharge standards based on review of monthly and semi-annual self-monitoring reports.

DC Water currently manages 61 Temporary Discharge Authorization (TDA) permits, primarily for construction site discharges of groundwater and/or surface runoff in the combined sewer area. Eight new TDA permits were issued this month. Self-monitoring reports were reviewed.

DC Water investigated a permitted temporary discharge (TDA permit 0414-988) incident at 909 Half St., SE, this month. The contents of several Underground Storage Tanks (USTs), which were reported as mostly water, were approved for discharge to the combined sewer following pretreatment with carbon adsorption. The day after this dewatering started, an odor complaint was received from a hotel across the street. DC Water Sewer Services crew responded to the incident and shut down the dewatering operation. The following day, pretreatment staff met Sewer Services staff on site with the consultant for the project to determine an appropriate course of action. A Notice of Violation (NOV) was issued based on the results of samples collected during the initial UST dewatering causing the odor. Benzene levels (8,800 ug/L on Day 1 and 6,600 ug/L on Day 2) and toluene levels (9,900 ug/L on Day 1 and 7,000 ug/L on Day 2) exceeded EPA's gas/vapor discharge screening levels (14 ug/L benzene and 2,075 ug/L toluene) resulting in a prohibited discharge. The NOV required a carbon change prior to further pretreatment and discharge of water from the site. All discharges are currently in compliance with pretreatment standards.

#### **Hauled Waste Program**

The hauled waste program currently has fifteen (15) permitted haulers authorized to discharge domestic septage, portable toilet waste, grease trap waste, groundwater or surface runoff, and other types of waste, if approved in advance and have been characterized and meet pretreatment standards. Two hauler permits were renewed this month: Dons Johns and Tech 24. DC Water collected fees from five waste haulers this month, including those on a monthly payment plan option.

DC Water received 295 hauled waste loads (796,640 gallons) from permitted haulers this month. Manifest forms from each truck entering the plant are collected by the security guards and picked up daily by Pretreatment staff and entered into an Excel spreadsheet to track the volume and type of loads being discharged daily and the results of sampling. Two random hauled waste samples (with one targeted grease trap load) were collected this month. The grease trap load was in violation of the pH and copper limits. A Notice of Violation was issued to Valley Proteins on October 6, 2014, for grease trap waste disposed on September 16, 2014, having a pH of 4.75 (below the limit of 5.0) and copper concentration of 3.0 mg/L (above the limit of 2.3 mg/L).

#### **NPDES Permit Sampling**

Pretreatment staff collected quarterly influent, effluent (outfall 002), and biosolids samples for local limit parameters and annual priority pollutants, including low-level influent mercury using clean sampling techniques. Pretreatment staff also collected bimonthly metals at outfall 002, including low-level effluent mercury using clean sampling techniques. Pretreatment staff collected one dry weather and one wet weather 24-hour composite sample at outfall 002 and a grab sample at outfall 001 for low level PCB analysis using EPA Method 1668 this month.

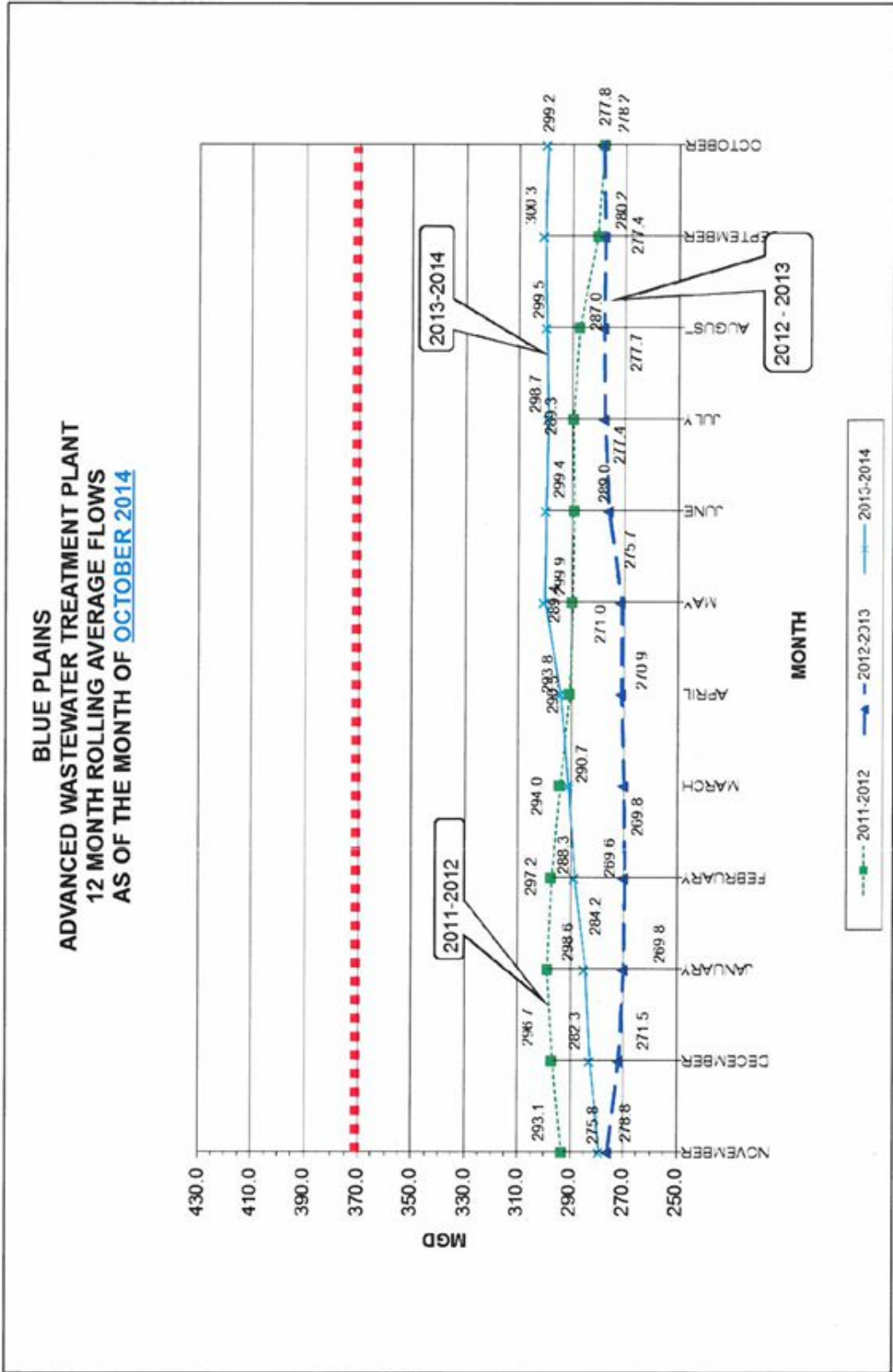
#### **Department of Wastewater Treatment Main Laboratory**

The **DWT Main Laboratory** conducts analyses on Blue Plains effluent for NPDES Permit requirements, as well as on biosolids, pretreatment samples,

storm water runoff, and process samples, on a daily basis, 365 days a year. The laboratory currently analyzes approximately 2,800 samples a month and conducts approximately 8,000 analyses, including Total Suspended Solids, Volatile Suspended Solids, Total and Volatile Solids, Ammonia Nitrogen, Nitrite and Nitrate Nitrogen, Total, Soluble, and Ortho Phosphorus, Total and Soluble Kjeldahl Nitrogen, Carbonaceous Biochemical Oxygen Demand, Chemical Oxygen Demand, Total Alkalinity and Hardness, and Fecal Coliform and E. Coli microbiological testing.

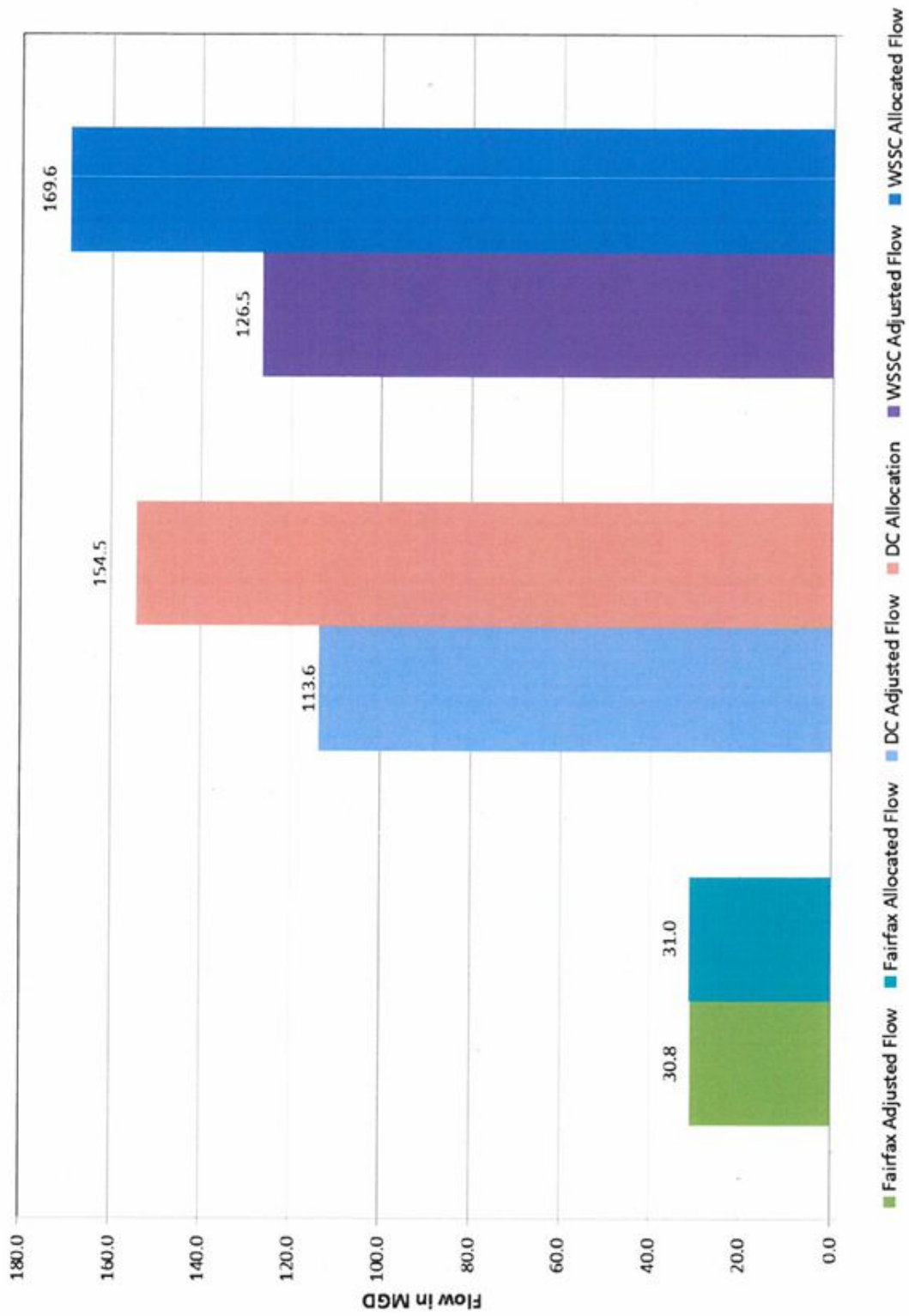
The **DWT Laboratory** assists the **Department of Sewer Services** on a regular basis conducting microbiological analysis of water samples for E. Coli bacteria. The **DWT Laboratory** also assists the **Biosolids Division** with ongoing Odor Control and Lime Stabilization studies, as well as continued pH monitoring of biosolids for 40 CFR 503 Pathogen and Vector Attraction Reduction requirements.

The **DWT Laboratory** also participates in the **WWOA Executive Board**. This month, the **DWT Laboratory** began assisting the **Biosolids Division** with a preliminary study related to DCWater's application for **Class A Biosolids Certification**.





### Adjusted Flows vs Allocated Flows - October 2014



**Potomac Interceptor Long-Term Odor Abatement  
Status Report –November 2014**

Project Description: This project provides for the long-term abatement of odors generated by the Potomac Interceptor by constructing six ventilation buildings along the main sections of the sewer. The six sites are located in the District of Columbia (Site 1995), Montgomery County, MD (Sites 4, 17 and 27), Fairfax County (Site 31) and Loudoun County (Site 46), VA. The constructed system draws gases from the sewer by vacuum, treats the gas stream with activated carbon and discharges the treated air to the atmosphere.

Summary Status:

**General**

Construction at the DC and three Maryland sites is substantially complete. Construction at the two Virginia sites is ongoing.

**DC Site**

*Site 1995 (Fletcher’s Boat House)* – Construction substantially complete. Obstruction in odorous air pipe caused by standing water resolved. Facility running.

**Maryland Sites**

*Site 4 (Little Falls PS)* – Construction complete. Facility is running.

*Site 17 (Beltway)* – Construction complete. Facility is running.

*Site 27 (Old Angler’s Inn)* – Construction substantially complete. The counteractant delivery system is being further upgraded and will be put into service for testing in January 2015. Investigations into sources of odor complaints continue.

**Virginia Sites**

*Site 31 (Fairfax)* – Under Construction, 75% complete. Coordination with Verizon is ongoing for site service. Fairfax County has inspected and approved contractor’s electrical panels. Dominion to start permanent power installation in December. Floor slab is complete. OA tank is installed, other equipment on site. OA pipe wrapping/joining ongoing in building. Mechanical and electrical installations ongoing in building. Exterior Stone work ongoing.

*Site 46 (Loudoun)* – Under Construction, 89% complete. Permanent power installation is complete. Verizon’s NVRPA permit to be signed in December 2014. Exterior stone fascia, roof soffits, and fascia complete. Electrical interior work ongoing with PLC and transformer set. Meter and disconnect installed. Interior plumbing is ongoing.

Design & Construction Activities	Projected		Actual		Status
	Start	End	Start	End	
Fairfax County (Site 31) Building Closure	8/15/12	9/12/14	8/26/13	9/20/14	
Place in operation, Site 31 (Fairfax)	1/16/15				Delay in Permanent Power completion
Place in operation, Site 46 (Loudon)	12/29/14				Valve actuator delivered and installed, awaiting air handling unit

**DISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY  
BOARD OF DIRECTORS CONTRACTOR FACT SHEET**

**ACTION REQUESTED**

**GOODS AND SERVICES CONTRACT OPTION :**

**Information Technology Professional Services  
(Joint-Use)**

Approval to execute option year one (1) for information technology professional services in the amount of \$740,000.00.

**CONTRACTOR/SUB/VENDOR INFORMATION**

<b>PRIME:</b>	<b>SUBS:</b>	<b>PARTICIPATION:</b>
Namtra Business Solutions 11800 Sunrise Valley Drive, Suite 317 Reston, Virginia 20191	N/A	N/A

**DESCRIPTION AND PURPOSE**

Original Contract Value: \$927,378.24  
 Original Contract Dates: 02-01-2014—01-31-2015  
 No. of Option Years in Contract: 3  
 Option Year (01)Value: \$740,000.00  
 Option Year (01) Dates: 02-01-2015—01-31-2016

**Purpose of the Contract:**

To provide resources in an effort to implement and support the Automated Meter Reading (AMR) system, and other critical services, such as the maintenance and upgrade of the Enterprise Oracle and SQL Database systems. The resources will also be used for project planning, development, implementation and verification of CS-Leak Detection Pilot Program for the Department of Information Technology.

**Spending Previous Year:**

Cumulative Contract Value: 02-01-2014 to 01-31-2015—\$927,378.24  
 Cumulative Contract Spending: 02-01-2014 to 09-30-2014—\$549,502.98

**Contractor's Past Performance:**

The contractor's past performance has been satisfactory.

**PROCUREMENT INFORMATION**

<b>Contract Type:</b>	Fixed Unit Rate	<b>Award Based On:</b>	Highest Rated Offeror
<b>Commodity:</b>	Services	<b>Contract Number:</b>	14-PR-DIT-06
<b>Contractor Market:</b>	Open Market with LBE/LSBE Preference Points		

**BUDGET INFORMATION**

<b>Funding:</b>	Operating	<b>Department:</b>	Information Technology
<b>Service Area:</b>	DC Water wide	<b>Department Head:</b>	Thomas Kuczynski

**ESTIMATED USER SHARE INFORMATION**

User	Share %	Dollar Amount
District of Columbia	84.40%	\$624,560.00
Washington Suburban Sanitary Commission	11.41%	\$ 84,434.00
Fairfax County	2.87%	\$ 21,238.00
Loudoun County	1.16%	\$ 8,584.00
Potomac Interceptor	0.16%	\$ 1,184.00
<b>TOTAL ESTIMATED DOLLAR AMOUNT</b>	<b>100.00%</b>	<b>\$740,000.00</b>

 , 12/5/14  
 \_\_\_\_\_  
 Teresa L. Scott Date  
 Acting Director of Procurement

 , 12/8/14  
 \_\_\_\_\_  
 Gail Alexander Reeves Date  
 Director of Budget

 , 12/8/14  
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 Thomas Kuczynski Date  
 Chief Information Officer

\_\_\_\_\_  
 George S. Hawkins Date  
 General Manager



**DISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY  
BOARD OF DIRECTORS CONTRACTOR FACT SHEET**

**ACTION REQUESTED**

**GOODS AND SERVICES CONTRACT OPTION :  
Information Technology Professional Services  
Joint-Use**

Approval to execute option year one (1) for information technology professional services in the amount of \$650,000.00.

**CONTRACTOR/SUB/VENDOR INFORMATION**

<b>PRIME:</b> Advance Digital Systems 10560 Main Street, Suite 214 Fairfax, Virginia 22030	<b>SUBS:</b> N/A	<b>PARTICIPATION:</b> N/A
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**DESCRIPTION AND PURPOSE**

Original Contract Value: \$567,312.00  
 Original Contract Dates: 02-01-2014—01-31-2015  
 No. of Option Years in Contract: 3  
 Option Year (01)Value: \$650,000.00  
 Option Year (01) Dates: 02-01-2015—01-31-2016

**Purpose of the Contract:**

To provide resources to support and implement the Enterprise Document Management System, and the Network Infrastructure enhancements and upgrades for the Department of Information Technology.

**Spending Previous Year:**

Cumulative Contract Value: 02-01-2014 to 01-31-2015—\$567,312.00  
 Cumulative Contract Spending: 02-01-2014 to 09-30-2014—\$404,829.75

**Contractor's Past Performance:**

The contractor's past performance has been satisfactory.

**PROCUREMENT INFORMATION**

<b>Contract Type:</b>	Fixed Unit Rate	<b>Award Based On:</b>	Highest Rated Offeror
<b>Commodity:</b>	Services	<b>Contract Number:</b>	14-PR-DIT-01
<b>Contractor Market:</b>	Open Market with LBE/LSBE Preference Points		

**BUDGET INFORMATION**

<b>Funding:</b>	Operating	<b>Department:</b>	Information Technology
<b>Service Area:</b>	DC Water wide	<b>Department Head:</b>	Thomas Kuczynski

**ESTIMATED USER SHARE INFORMATION**

User	Share %	Dollar Amount
District of Columbia	84.40%	\$548,600.00
Washington Suburban Sanitary Commission	11.41%	\$ 74,165.00
Fairfax County	2.87%	\$ 18,655.00
Loudoun County	1.16%	\$ 7,540.00
Potomac Interceptor	0.16%	\$ 1,040.00
<b>TOTAL ESTIMATED DOLLAR AMOUNT</b>		<b>100.00% \$650,000.00</b>

 12/5/14  
 Teresa L. Scott Date  
 Acting Director of Procurement

 12/8/14  
 Gail Alexander Reeves Date  
 Director of Budget

 12/8/14  
 Thomas Kuczynski Date  
 Chief Information Officer

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 George S. Hawkins Date  
 General Manager

**DISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY  
BOARD OF DIRECTORS CONTRACTOR FACT SHEET**

**ACTION REQUESTED**

**GOODS AND SERVICES CONTRACT OPTION :  
Information Technology Professional Services  
Joint-Use**

Approval to execute option year one (1) for information technology professional services in the amount of \$630,000.00.

**CONTRACTOR/SUB/VENDOR INFORMATION**

<b>PRIME:</b> Peak Technology Solutions, Inc. 1050 17 <sup>th</sup> Street, NW, Suite 600 Washington, DC 20036	<b>SUBS:</b> N/A	<b>PARTICIPATION:</b> N/A
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**DESCRIPTION AND PURPOSE**

Original Contract Value: \$628,640.00  
 Original Contract Dates: 02-01-2014—01-31-2015  
 No. of Option Years in Contract: 3  
 Option Year (01)Value: \$630,000.00  
 Option Year (01) Dates: 02-01-2015—01-31-2016

**Purpose of the Contract:**

To provide resources to support and implement a customer contact center application, an organization-wide voice over IP (VOIP) system, a PHP web content management system, the SCADA system application/servers and the financial system for the Department of Information Technology.

**Spending Previous Year:**

Cumulative Contract Value: 02-01-2014 to 01-31-2015—\$628,640.00  
 Cumulative Contract Spending: 02-01-2014 to 09-30-2014—\$244,320.00

**Contractor's Past Performance:**

The contractor's past performance has been satisfactory.

**PROCUREMENT INFORMATION**

<b>Contract Type:</b>	Fixed Unit Rate	<b>Award Based On:</b>	Highest Rated Offeror
<b>Commodity:</b>	Services	<b>Contract Number:</b>	14-PR-DIT-08
<b>Contractor Market:</b>	Open Market with LBE/LSBE Preference Points		

**BUDGET INFORMATION**

<b>Funding:</b>	Operating	<b>Department:</b>	Information Technology
<b>Service Area:</b>	DC Water wide	<b>Department Head:</b>	Thomas Kuczynski

**ESTIMATED USER SHARE INFORMATION**

User	Share %	Dollar Amount
District of Columbia	84.40%	\$531,720.00
Washington Suburban Sanitary Commission	11.41%	\$ 71,883.00
Fairfax County	2.87%	\$ 18,081.00
Loudoun County	1.16%	\$ 7,308.00
Potomac Interceptor	0.16%	\$ 1,008.00
<b>TOTAL ESTIMATED DOLLAR AMOUNT</b>	<b>100.00%</b>	<b>\$630,000.00</b>

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 Teresa L. Scott Date  
 Acting Director of Procurement

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 Gail Alexander Reeves Date  
 Director of Budget

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 Thomas Kuczynski Date  
 Chief Information Officer

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 George S. Hawkins Date  
 General Manager



**DISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY  
BOARD OF DIRECTORS CONTRACTOR FACT SHEET**

**ACTION REQUESTED**

**GOODS AND SERVICES CONTRACT OPTION :**

**Information Technology Professional Services  
Joint-Use**

Approval to execute option year one (1) for information technology professional services in the amount of \$450,000.00.

**CONTRACTOR/SUB/VENDOR INFORMATION**

<b>PRIME:</b> Softworld, Inc. 281 Winter Street, Suite 301 Waltham, Massachusetts 02451	<b>SUBS:</b> N/A	<b>PARTICIPATION:</b> N/A
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**DESCRIPTION AND PURPOSE**

Original Contract Value: \$692,832.00  
 Original Contract Dates: 02-01-2014—01-31-2015  
 No. of Option Years in Contract: 3  
 Option Year (01)Value: \$450,000.00  
 Option Year (01) Dates: 02-01-2015—01-31-2016

**Purpose of the Contract:**

To provide resources to support the design and implementation of the SCADA, GIS and eServices systems, in addition to the setup, installation and maintenance of the underlying network infrastructure. The resources will also maintain and support the Interactive Voice Response system for the Department of Information Technology.

**Spending Previous Year:**

Cumulative Contract Value: 02-01-2014 to 01-31-2015—\$692,832.00  
 Cumulative Contract Spending: 02-01-2014 to 09-30-2014—\$179,351.00

**Contractor's Past Performance:**

The contractor's past performance has been satisfactory.

**PROCUREMENT INFORMATION**

<b>Contract Type:</b>	Fixed Unit Rate	<b>Award Based On:</b>	Highest Rated Offeror
<b>Commodity:</b>	Services	<b>Contract Number:</b>	14-PR-DIT-09
<b>Contractor Market:</b>	Open Market with LBE/LSBE Preference Points		

**BUDGET INFORMATION**

<b>Funding:</b>	Operating	<b>Department:</b>	Information Technology
<b>Service Area:</b>	DC Water wide	<b>Department Head:</b>	Thomas Kuczynski

**ESTIMATED USER SHARE INFORMATION**

User	Share %	Dollar Amount
District of Columbia	84.40%	\$379,800.00
Washington Suburban Sanitary Commission	11.41%	\$ 51,345.00
Fairfax County	2.87%	\$ 12,915.00
Loudoun County	1.16%	\$ 5,220.00
Potomac Interceptor	0.16%	\$ 720.00
TOTAL ESTIMATED DOLLAR AMOUNT		100.00% \$450,000.00

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 Teresa L. Scott  
 Acting Director of Procurement

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 \_\_\_\_\_ Date  
 Gail Alexander Reeves  
 Director of Budget

 , 12/9/14  
 \_\_\_\_\_ Date  
 Thomas Kuczynski  
 Chief Information Officer

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 George S. Hawkins  
 General Manager

\_\_\_\_\_ Date

**DISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY  
BOARD OF DIRECTORS CONTRACTOR FACT SHEET**

**ACTION REQUESTED**

**GOODS AND SERVICES CONTRACT OPTION :**

**Information Technology Professional Services  
Joint-Use**

Approval to execute option year one (1) for information technology professional services in the amount of \$540,000.00.

**CONTRACTOR/SUB/VENDOR INFORMATION**

<b>PRIME:</b> Tessada & Associates, Inc. 8001 Forbes Place, Suite 310 Springfield, Virginia 22151	<b>SUBS:</b> N/A	<b>PARTICIPATION:</b> N/A
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**DESCRIPTION AND PURPOSE**

Original Contract Value: \$738,936.96  
 Original Contract Dates: 02-01-2014—01-31-2015  
 No. of Option Years in Contract: 3  
 Option Year (01)Value: \$540,000.00  
 Option Year (01) Dates: 02-01-2015—01-31-2016

**Purpose of the Contract:**

To provide resources to support the implementation of new and existing information Technology initiatives for the Maximo system; and the new scope for the GIS reverse integration with the Maximo system for the Department of Information Technology.

**Spending Previous Year:**

Cumulative Contract Value: 02-01-2014 to 01-31-2015—\$738,936.96  
 Cumulative Contract Spending: 02-01-2014 to 09-30-2014—\$439,718.06

**Contractor's Past Performance:**

The contractor's past performance has been satisfactory.

**PROCUREMENT INFORMATION**

<b>Contract Type:</b>	Fixed Unit Rate	<b>Award Based On:</b>	Highest Rated Offeror
<b>Commodity:</b>	Services	<b>Contract Number:</b>	14-PR-DIT-10
<b>Contractor Market:</b>	Open Market with LBE/LSBE Preference Points		

**BUDGET INFORMATION**

<b>Funding:</b>	Operating	<b>Department:</b>	Information Technology
<b>Service Area:</b>	DC Water wide	<b>Department Head:</b>	Thomas Kuczynski

**ESTIMATED USER SHARE INFORMATION**

User	Share %	Dollar Amount
District of Columbia	84.40%	\$455,760.00
Washington Suburban Sanitary Commission	11.41%	\$ 61,614.00
Fairfax County	2.87%	\$ 15,498.00
Loudoun County	1.16%	\$ 6,264.00
Potomac Interceptor	0.16%	\$ 864.00
<b>TOTAL ESTIMATED DOLLAR AMOUNT</b>	<b>100.00%</b>	<b>\$540,000.00</b>

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 Teresa L. Scott Date  
 Acting Director of Procurement

 , 12/6/14  
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 Gail Alexander Reeves Date  
 Director of Budget

 , 12/8/14  
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 Thomas Kuczynski Date  
 Chief Information Officer

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 George S. Hawkins Date  
 General Manager



**DISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY  
BOARD OF DIRECTORS CONTRACTOR FACT SHEET**

**ACTION REQUESTED**

**GOODS AND SERVICES CONTRACT OPTION :  
Information Technology Professional Services  
Joint-Use**

Approval to execute option year one (1) for information technology professional services in the amount of \$790,000.00.

**CONTRACTOR/SUB/VENDOR INFORMATION**

<b>PRIME:</b> Networking for Future, Inc. 1023 15 <sup>th</sup> Street, NW, Suite 500 Washington, DC 20005	<b>SUBS:</b> N/A	<b>PARTICIPATION:</b> N/A
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**DESCRIPTION AND PURPOSE**

Original Contract Value:	\$689,874.24
Original Contract Dates:	02-01-2014—01-31-2015
No. of Option Years in Contract:	3
Contract Modification Value:	\$100,000.00
Contract Modification Dates:	02-01-2014—01-31-2015
Option Year (01)Value:	\$790,000.00
Option Year (01) Dates:	02-01-2015—01-31-2016

**Purpose of the Contract:**

To provide resources to support the implementation of the lan/wan infrastructure and other critical network infrastructure, such as voice, data and internet services for the Department of Information Technology.

**Spending Previous Year:**

Cumulative Contract Value:	02-01-2014 to 01-31-2015—\$789,874.24
Cumulative Contract Spending:	02-01-2014 to 09-30-2014—\$489,657.09

**Contractor's Past Performance:**

The contractor's past performance has been satisfactory.

**PROCUREMENT INFORMATION**

<b>Contract Type:</b>	Fixed Unit Rate	<b>Award Based On:</b>	Highest Rated Offeror
<b>Commodity:</b>	Services	<b>Contract Number:</b>	14-PR-DIT-07
<b>Contractor Market:</b>	Open Market with LBE/LSBE Preference Points		

**BUDGET INFORMATION**

<b>Funding:</b>	Operating	<b>Department:</b>	Information Technology
<b>Service Area:</b>	DC Water wide	<b>Department Head:</b>	Thomas Kuczynski

**ESTIMATED USER SHARE INFORMATION**

User	Share %	Dollar Amount
District of Columbia	84.40%	\$666,760.00
Washington Suburban Sanitary Commission	11.41%	\$ 90,139.00
Fairfax County	2.87%	\$ 22,673.00
Loudoun County	1.16%	\$ 9,164.00
Potomac Interceptor	0.16%	\$ 1,264.00
<b>TOTAL ESTIMATED DOLLAR AMOUNT</b>	<b>100.00%</b>	<b>\$790,000.00</b>

 , 12/5/14  
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 Teresa L. Scott Date  
 Acting Director of Procurement

 , 12/8/14  
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 Gail Alexander Reeves Date  
 Director of Budget

 , 12/8/14  
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 Thomas Kuczynski Date  
 Chief Information Officer

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 George S. Hawkins Date  
 General Manager

**DISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY  
BOARD OF DIRECTORS CONTRACTOR FACT SHEET**

**ACTION REQUESTED**

**GOODS AND SERVICES CONTRACT MODIFICATION**

**Telecommunication Services  
(Joint-Use)**

Approval to execute a contract modification to add funding to the contract for telecommunications services in the amount of \$723,363.00.

**CONTRACTOR/SUB/VENDOR INFORMATION**

<b>PRIME:</b> Verizon Federal 22001 Loudoun County Parkway Ashburn, Virginia 20147	<b>SUBS:</b> N/A	<b>PARTICIPATION:</b> N/A
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**DESCRIPTION AND PURPOSE**

Original Contract Value:	\$376,446.00
Original Contract Dates:	11-08-2007— 11-07-2008
No. of Option Years in Contract:	N/A
Contract Modification Value(#1 - #5):	\$6,397,812.82
Contract Modification Dates(#1 - #5):	11-08-2008— 11-07-2013
Contract Modification #6 Value:	\$1,222,333.00
Contract Modification #6 Dates:	11-08-2013— 11-07-2014
Contract Modification #7 Value:	\$500,000.00
Contract Modification #7 Dates:	11-08-2014— 01-31-2015
This Contract Modification Value:	\$723,363.00
This Contract Modification Dates:	02-01-2015— 11-07-2015

**Purpose of the Contract:**

To contract for the provision of telecommunications services for the District of Columbia Water and Sewer Authority's (DC Water) Department of InformationTechnology.

**Spending Previous Year:**

Cumulative Contract Value:	11-08-2007 to 01-31-2015—\$8,496,591.82
Cumulative Contract Spending:	11-08-2007 to 11-30-2014—\$6,013,708.91

**Contractor's Past Performance:**

The contractor's past performance has been satisfactory.

**PROCUREMENT INFORMATION**

<b>Contract Type:</b>	Fixed Fee	<b>Award Based On:</b>	Not Applicable
<b>Commodity:</b>	Services	<b>Contract Number:</b>	GS11T08BJD6001
<b>Contractor Market:</b>	GSA Schedule		

**BUDGET INFORMATION**

<b>Funding:</b>	Operating	<b>Department:</b>	Information Technology
<b>Service Area:</b>	DC Water wide	<b>Department Head:</b>	Thomas Kuczynski

**ESTIMATED USER SHARE INFORMATION**

User	Share %	Dollar Amount
District of Columbia	84.40%	\$ 610,518.37
Washington Suburban Sanitary Commission	11.41%	\$ 82,535.72
Fairfax County	2.87%	\$ 20,760.52
Loudoun County	1.16%	\$ 8,391.01
Potomac Interceptor	0.16%	\$ 1,157.38
<b>TOTAL ESTIMATED DOLLAR AMOUNT</b>		<b>\$ 723,363.00</b>

 12/9/14  
 Teresa L. Scott Date  
 Acting Director of Procurement

 12/12/14  
 Gail Alexander-Reeves Date  
 Director of Budget

 12/10/14  
 Thomas Kuczynski Date  
 Chief Information Officer

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 George S. Hawkins Date  
 General Manager

**DISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY  
BOARD OF DIRECTORS CONTRACTOR FACT SHEET**

**ACTION REQUESTED**

**GOODS AND SERVICES CONTRACT OPTION:  
Supply and Delivery of Polymer for Dewatering  
(Joint Use - Direct)**

Approval to execute option year two (2) for the flotation and blend polymer chemicals in the amount of \$1,420,000.00.

**CONTRACTOR/SUB/VENDOR INFORMATION**

<b>PRIME:</b> BASF Corporation 2371 Wilroy Road Suffolk, VA 23434	<b>SUBS:</b> N/A	<b>PARTICIPATION:</b> N/A
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**DESCRIPTION AND PURPOSE**

Original Contract Value:	\$1,877,540.00
Original Contract Dates:	01-01-2013 – 12-31-2013
Number of Option Years:	2
First Option Year Value:	\$1,400,000.00
First Option Year Dates:	01-01-2014 – 12-31-2014
Modification No. 1 Value	\$0.00
Modification No. 2 Dates	01-01-2015 – 03-01-2015
Option Year Two (2) Value:	\$1,420,00.00
Option Year Two (2) Dates:	03-02-2015 – 03-01-2016

**Purpose of the Contract:**

To ensure the District of Columbia Water and Sewer Authority is able to meet its National Pollution Discharge Elimination System (NPDES) permits requirement under the Clean Water Act (CWA).

**Contract Scope:**

To provide polymer to the Blue Plains Advanced Wastewater Treatment Facility for solids dewatering, for the Department of Wastewater treatment.

**Spending Previous Year:**

Cumulative Contract Value:	01-01-2013 – 12-31-2014 - \$3,277,540.00
Cumulative Contract Spending:	01-01-2013 – 12-31-2014 - \$3,037,634.06

**Contractor's Past Performance:**

The Contractor's past performance has been satisfactory.

**Note:**

The current contract price per pound is \$1.40. The Producer Price Index (PPI) allows an increase in price of 7.49%, which would allow the Contractor to increase the per pound price to \$1.50. BASF Corporation has agreed to maintain the same price of \$1.40 per pound for Option Year Two (2).



**PROCUREMENT INFORMATION**

<b>Contract Type:</b>	Fixed Price Requirement Contract	<b>Award Based On:</b>	Lowest responsive and responsible bidder(s)
<b>Commodity:</b>	Goods and Services	<b>Contract Number:</b>	WAS-12-066-AB-RE
<b>Contractor Market:</b>	Open to Pre-Qualified Vendors Based on Field Trials of Samples Submitted.		

**BUDGET INFORMATION**

<b>Funding:</b>	Operating	<b>Department:</b>	Wastewater Treatment
<b>Service Area:</b>	Blue Plains AWTF	<b>Department Head:</b>	Aklile Tesfaye

**ESTIMATED USER SHARE INFORMATION**

User	Share %	Dollar Amount
District of Columbia	41.63%	\$591,146.00
Washington Suburban Sanitary Commission	42.96%	\$610,032.00
Fairfax County	10.57%	\$150,094.00
Loudoun County	4.25%	\$60,350.00
Potomac Interceptor	0.59%	\$8,378.00
<b>TOTAL ESTIMATED DOLLAR AMOUNT</b>	<b>100.00%</b>	<b>\$1,420,000.00</b>

Teresa L. Scott / 12/5/14  
 Teresa L. Scott Date  
 Acting Director of Procurement

Gail Alexander-Reeves / 12/10/14  
 Gail Alexander-Reeves Date  
 Director of Budget

Walter Bailey / 12/11/14  
 Walter Bailey Date  
 Assistant General Manager  
 Blue Plains

\_\_\_\_\_/\_\_\_\_\_  
 George S. Hawkins Date  
 General Manager

**DISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY  
BOARD OF DIRECTORS CONTRACTOR FACT SHEET**

**ACTION REQUESTED**

**GOODS AND SERVICES CONTRACT OPTION:**

**Supply and Delivery for Polymer for Dewatering  
(Joint Use - Direct)**

Approval to execute option year two (2) for the flotation and blend polymer chemicals in the amount of \$1,420,000.00.

**CONTRACTOR/SUB/VENDOR INFORMATION**

<b>PRIME:</b> Polydyne, Inc. One Chemical Plant Road Riceboro, GA 31323	<b>SUBS:</b> Hardy and Son Trucking	<b>PARTICIPATION:</b> 15%
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**DESCRIPTION AND PURPOSE**

Base Year Contract Value:	\$1,803,739.00
Contract Base Period:	365 days (1 year)
Number of Option Years:	2
First Option Year Value:	\$1,420,000.00
First Option Year Dates:	01-01-2014 – 12-31-2014
Modification No. 1 Value:	\$0.00
Modification No. 1 Dates:	01-01-2015 – 03-01-2015
Second Option Year Value:	\$1,420,000.00
Second Option Year Dates:	03-02-2015 – 03-01-2016

**Purpose of the Contract:**

To ensure the District of Columbia Water and Sewer Authority is able to meet its National Pollution Discharge Elimination System (NPDES) permit requirement under the Clean Water Act (CWA).

**Contract Scope:**

To provide polymer to the Blue Plains Advanced Wastewater Treatment Facility for solids dewatering, for the Department of Wastewater Treatment.

**Spending Previous Year:**

Cumulative Contract Value:	01-01-2013 – 12-31-2014 - \$3,223,739.00
Cumulative Contract Spending	01-01-2013 – 12-31-2014 - \$3,049,312.84

**Contractor's Past Performance**

The Contractor's past performance has been satisfactory.

**Note:**

The current contract price per pound is \$1.42. The Producer Price Index (PPI) allows an increase of 7.49%, which would allow the Contractor to increase the price per pound to \$1.53. Polydyne, Inc. has agreed to maintain the same price of \$1.42 per pound for option year two (2).

**PROCUREMENT INFORMATION**

<b>Contract Type:</b>	Fixed Price Requirements Contract	<b>Award Based On:</b>	Lowest responsive and responsible bidder
<b>Commodity:</b>	Goods and Services	<b>Contract Number:</b>	WAS-12-066-AA-RE
<b>Contractor Market:</b>	Open to Pre-Qualified Vendors Based on Field Trials of Samples Submitted.		

**BUDGET INFORMATION**

<b>Funding:</b>	Operating	<b>Department:</b>	Wastewater Treatment
<b>Service Area:</b>	Blue Plains AWTF	<b>Department Head:</b>	Aklile Tesfaye

**ESTIMATED USER SHARE INFORMATION**

User	Share %	Dollar Amount
District of Columbia	41.63 %	\$ 591,146.00
Washington Suburban Sanitary Commission	42.96 %	\$ 610,032.00
Fairfax County	10.57 %	\$ 150,094.00
Loudoun County	4.25 %	\$ 60,350.00
Potomac Interceptor	0.59 %	\$ 8,378.00
<b>TOTAL ESTIMATED DOLLAR AMOUNT</b>		<b>100.00% \$ 1,420,000.00</b>

 12/5/14  
 \_\_\_\_\_  
 Teresa L. Scott Date  
 Acting Director of Procurement

 12/11/14  
 \_\_\_\_\_  
 Gail Alexander-Reeves Date  
 Director of Budget

 12/11/14  
 \_\_\_\_\_  
 Walter Bailey Date  
 Assistant General Manager  
 Blue Plains

\_\_\_\_\_  
 George S. Hawkins Date  
 General Manager

**DISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY  
BOARD OF DIRECTORS CONTRACTOR FACT SHEET**

**ACTION REQUESTED**

**GOODS AND SERVICES CONTRACT OPTION:  
SUPPLY AND DELIVERY OF FERRIC CHLORIDE  
(Joint Use - Direct)**

Approval to exercise contract option year one (1) to supply and deliver ferric chloride chemicals in the amount of \$3,155,800.00.

**CONTRACTOR/SUB/VENDOR INFORMATION**

<b>PRIME:</b> Carter & Carter Enterprises, Inc. 212 Van Buren Street, NW Washington, D.C. 20012 LBE/LSBE - 100%	<b>SUBS:</b> N/A	<b>PARTICIPATION:</b> 100%
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**DESCRIPTION AND PURPOSE**

Base Year Contract Value:	\$3,476,000.00
Base Year Contract Dates:	11-07-2013 – 11-06-2014
Number of Option Years:	2
Contract Modification 1 Value:	\$490,000.00
Contract Modification 1 Dates:	11-10-2014 – 01-09-2015
Option Year 1 Value:	\$3,155,800.00
Option Year 1 Dates:	01-10-2015 – 01-09-2016

**Purpose of the Contract:**

This contract is to provide for the supply and delivery of ferric chloride for the purpose of treating the wastewater at the Blue Plains Advanced Wastewater Treatment Plant. The chemical is used for removing phosphorus from plant influent in the primary and secondary treatment stages; removing odor-causing compounds; and improving the settling of solids in the liquid processing units.

**Contract Scope:**

To provide 100% of the need for ferric chloride at the Blue Plains Advanced Wastewater Treatment Plant.

**Spending Previous Year:**

Cumulative Contract Value:	11-07-2013 – 11-06-2014 - \$3,966,000.00
Cumulative Contract Spending:	11-07-2013 – 12-05-2014 - \$3,965,898.31

**Contractor's Past Performance**

The contractor's past performance has been satisfactory.

**Note:**

The current contract price per pound is \$0.158. The Producer Price Index (PPI) allows an increase in price of 7.49%, which would allow the Contractor to increase the per pound price to \$0.16. Carter & Carter Enterprises, Inc. has agreed to maintain the same price of \$0.158 per pound for Option Year One (1).



**PROCUREMENT INFORMATION**

<b>Contract Type:</b>	Fixed Price Requirement	<b>Award Based On:</b>	Lowest Responsive, Responsible Bidder
<b>Commodity:</b>	Ferric Chloride	<b>Contract Number:</b>	WAS-13-025-AA-RE
<b>Contractor Market:</b>	Open Market with LBE/LSBE Preference Points		

**BUDGET INFORMATION**

<b>Funding:</b>	Operating	<b>Department:</b>	Wastewater Treatment
<b>Service Area:</b>	Blue Plains AWTP	<b>Department Head:</b>	Aklile Tesfaye

**ESTIMATED USER SHARE INFORMATION**

User	Share %	Dollar Amount
District of Columbia	41.63%	\$1,313,759.54
Washington Suburban Sanitary Commission	42.96%	\$1,355,731.68
Fairfax County	10.57%	\$333,568.06
Loudoun County	4.25%	\$134,121.50
Potomac Interceptor	0.59%	\$18,619.22
<b>TOTAL ESTIMATED DOLLAR AMOUNT</b>	<b>100.00%</b>	<b>\$3,155,800.00</b>

Teresa L. Scott 12/8/14  
 Teresa L. Scott Date  
 Acting Director of Procurement

Gail Alexander-Reeves 12/10/14  
 Gail Alexander-Reeves Date  
 Acting Director of Finance & Budget

Walt Bailey 12/15/14  
 Walt Bailey Date  
 Assistant General Manager

\_\_\_\_\_  
 George S. Hawkins Date  
 General Manager

**DISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY  
BOARD OF DIRECTORS CONTRACTOR FACT SHEET**

**ACTION REQUESTED**

**GOODS AND SERVICES CONTRACT MODIFICATION:**

**Protective Services  
(Joint Use)**

Approval to execute option year two (2) for a contract for Protective Services in the amount of \$4,852,254.72

**CONTRACTOR/SUB/VENDOR INFORMATION**

<b>PRIME:</b> Allied Barton Security Services 2034 Eisenhower Avenue, Suite 140 Alexandria, VA 22314	<b>SUBS:</b> Security Assurance Management 910 17 <sup>th</sup> Street, NW, Suite 220 Washington, DC 20006	<b>PARTICIPATION:</b> 35%
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**DESCRIPTION AND PURPOSE**

Original Contract Value:	\$4,934,348.12
Original Contract Dates:	12-16-2012—12-15-2013
No. of Option Years in Contract:	4
First Option Value:	\$4,600,377.53
First Option Dates:	01-16-2014—12-15-2014
Contract Modification Value:	\$441,502.47
Contract Modification Dates:	12-16-2013—01-15-2015
This Option Year (2) Value:	\$4,852,254.72
This Option Year (2) Dates:	01-16-2015 – 01-15-2016

**Purpose of the Contract:**

The purpose of this contract is to provide protective services for the District of Columbia Water and Sewer Authority (DC Water).

**Contract Scope:**

This contract will provide highly trained and reliable commissioned Special Police Officers (SPOs) to safeguard DC Water’s property and personnel, to prevent and deter unauthorized access or removal of property, and to assist DC Water in all other security related matters.

**Spending Previous Year:**

Cumulative Contract Value:	12-16-2012 to 12-15-2014—\$10,434,150.31
Cumulative Contract Spending:	12-16-2012 to 12-05-2014—\$9,010,045.51

**Contractor’s Past Performance:**

The contractor’s past performance has been satisfactory.

**PROCUREMENT INFORMATION**

<b>Contract Type:</b>	Firm-Fixed Price- Labor Hour	<b>Award Based On:</b>	Highest Score
<b>Commodity:</b>	Services	<b>Contract Number:</b>	WAS-12-063-AA-RA
<b>Contractor Market:</b>	Open Market		

**BUDGET INFORMATION**

<b>Funding:</b>	Operating and Capital	<b>Department:</b>	Security
<b>Service Area:</b>	Security, Combined Sewer Overflow and Wastewater Treatment	<b>Department Head:</b>	Steve Caldwell
<b>Project</b>	HU and CY		

**ESTIMATED USER SHARE INFORMATION**

**OPERATING ALLOCATION**

User	Share %	Dollar Amount
District of Columbia	84.40%	\$3,457,024.00
Washington Suburban Sanitary Commission	11.41%	\$467,353.60
Fairfax County	2.87%	\$117,555.20
Loudoun County	1.16%	\$47,513.60
Potomac Interceptor	0.16%	\$6,553.60
<b>TOTAL ESTIMATED DOLLAR AMOUNT</b>	<b>100.00%</b>	<b>\$4,096,000.00</b>

**HU ALLOCATION**

User	Share %	Dollar Amount
District of Columbia	41.22%	\$209,817.05
Washington Suburban Sanitary Commission	45.84%	\$233,333.67
Fairfax County	8.38%	\$42,655.67
Loudoun County	3.73%	\$18,986.36
Potomac Interceptor	0.83%	\$4,224.85
<b>TOTAL ESTIMATED DOLLAR AMOUNT</b>	<b>100.00%</b>	<b>\$509,017.60</b>

**CY ALLOCATION**

User	Share %	Dollar Amount
District of Columbia	92.90%	\$229,683.29
Washington Suburban Sanitary Commission	5.54%	\$13,696.94
Fairfax County	1.01%	\$2,497.09
Loudoun County & Potomac Interceptor	0.55%	\$1,359.80
<b>TOTAL ESTIMATED DOLLAR AMOUNT</b>	<b>100.00%</b>	<b>\$247,237.12</b>

Signatures on next page

Teresa L. Scott, 12/8/14  
Teresa L. Scott Date  
Acting Director of Procurement

Gail Alexander-Reeves, 12/15/14  
Gail Alexander-Reeves Date  
Director of Budget

Rosalind R. Inge, 12/15/14  
Rosalind R. Inge Date  
AGM, Support Services

\_\_\_\_\_, \_\_\_\_\_  
George S. Hawkins Date  
General Manager

**DISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY  
BOARD OF DIRECTORS CONTRACTOR FACT SHEET**

**ACTION REQUESTED**

**GOODS AND SERVICES INDEFINITE DELIVERY/INDEFINITE QUANTITY (IDIQ)**

**CONTRACT MODIFICATION**

**BUILDING RENOVATION**

**(Joint Use)**

Approval of Task Order No. 8 for the Renovation of Building "F", at the "O" Street Main Pumping Station in the amount of \$1,324,297.95.

**CONTRACTOR/SUB/VENDOR INFORMATION**

<b>PRIME:</b> ADP Group, Inc. 4917 Ames Street, NE Washington, DC 20019	<b>SUBS:</b> N/A	<b>PARTICIPATION:</b> N/A
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**DESCRIPTION AND PURPOSE**

Original Contract Value:	\$0.00
Original Contract Dates:	05-08-2014 — 05-07-2015
No. of Option Years in Contract:	4
Contract Modification Value:	\$570,076.94
Contract Modification Dates:	09-26-2014 — 02-28-2015
This Contract Modification Value:	\$1,324,297.95
This Contract Modification Dates:	01-15-2015 — 12-31-2015

**Purpose of the Contract:**

Renovation of Building "F" located at 125 "O" Street, NE, Washington, DC under competitively awarded Indefinite Delivery/Indefinite Quantity (IDIQ) contract with ADP Group, Inc.

ADP Group, Inc.; Environmental Design and Construction (EDC); and Green House Remodelers were awarded separate IDIQ contracts to provide general construction work on small construction and renovation projects. ADP Group, Inc and EDC submitted quotes for the renovation of Building "F". Green House Remodelers did not submit a quote. ADP Group, Inc. was the lowest responsive and responsible bidder for this project.

**Contract Scope:**

The work to renovate Building "F" is a delayed phase of the sewer relocation and consolidation of employees in order to accommodate the DC Clean Rivers CSO project to the front and side of Main Pump Station. The plan calls for demolition of temporary trailer space for field supervisors and interior renovation to provide combined personnel field meeting space, lockers, and shower space in one building.

**Spending Previous Year:**

Cumulative Contract Value:	05-08-2014 to 12-03-2014—\$570,076.94
Cumulative Contract Spending:	05-08-2014 to 11-26-2014—\$414,655.52

**Contractor's Past Performance:**

The contractor's past performance has been satisfactory.



**PROCUREMENT INFORMATION**

<b>Contract Type:</b>	Indefinite Delivery/Indefinite Quantity (IDIQ) Contract	<b>Award Based On:</b>	The lowest responsive and responsible bidder for this project.
<b>Commodity:</b>	Small Construction Projects	<b>Contract Number:</b>	14-PR-DFS-02
<b>Contractor Market:</b>	Open Market with Preference Points for LSBE/LBE		

**BUDGET INFORMATION**

<b>Funding:</b>	Operating	<b>Department:</b>	Facilities
<b>Service Area:</b>	Blue Plains	<b>Department Head:</b>	Carlos Almeida

**ESTIMATED USER SHARE INFORMATION**

User	Share %	Dollar Amount
District of Columbia	41.22%	\$545,875.61
Washington Suburban Sanitary Commission	45.84%	\$607,058.18
Fairfax County	8.38%	\$110,976.17
Loudoun County Potomac Interceptor	3.73%	\$49,396.31
Potomac Interceptor	0.83%	\$10,991.67
<b>TOTAL ESTIMATED DOLLAR AMOUNT</b>	<b>100.00%</b>	<b>\$1,324,297.95</b>

 12/11/14  
 Teresa L. Scott Date  
 Acting Director of Procurement

 12/11/14  
 Gail Alexander-Reeves Date  
 Director of Budget

 12/12/14  
 Rosalind R. Inge Date  
 Assistant General Manager

\_\_\_\_\_  
 George S. Hawkins Date  
 General Manager

**DISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY  
BOARD OF DIRECTORS CONTRACTOR FACT SHEET**

**ACTION REQUESTED**

**ENGINEERING SERVICES SUPPLEMENTAL AGREEMENT:**

**Gravity Thickener Upgrades – Phase II  
(Joint Use)**

Approval to execute Supplemental Agreement No. 2 for \$1,115,951. The modification exceeds the General Manager's approval authority.

**CONTRACTOR/SUB/VENDOR INFORMATION**

<b>PRIME:</b>	<b>SUBS:</b>	<b>PARTICIPATION:</b>
HDR Engineering, Inc. 2600 Park Tower Drive Suite 100 Vienna, VA 22180-7342	Simpson Gumpertz & Heger, Inc. Washington, DC	7.1%
	Savin Engineers, P.C. Baltimore, MD	MBE 22.1%
	Diversified Engineering, Inc. Silver Spring, MD	MBE 3.5%
	Thomas L. Brown Associates, P.C. Washington, DC	MBE 2.7%
	HB Permitting, Inc. Washington, DC	MBE 0.2%
	PDH Associates, Inc. Potomac, MD	WBE 10.3%

**DESCRIPTION AND PURPOSE**

Original Contract Value:	\$1,100,000
Value of this Supplemental Agreement:	\$1,115,951
Cumulative SA Value, including this SA:	\$2,839,455
Current Contract Value, Including this SA:	\$3,939,455
Original Contract Time:	365 Days (1 Year)
Time extension, this SA:	1,251 Days (3 Years, 5 Months)
Total SA contract time extension:	2,385 Days (6 Years, 6 Months)
Contract Start Date:	02-23-2011
Contract Completion Date:	09-04-2018

**Purpose of the Contract:**

Provide engineering services for the development of upgrades to the Gravity Thickeners and to the Primary Sludge Screening and Degritting Building.

**Original Contract Scope:**

- Provide a concept design report and preliminary engineering services for improvements to the Gravity Thickener Facility.

**Previous Supplemental Agreement Scope:**

- Provide engineering services for detailed design, Hazards and Operations Workshop and bidding for improvements to the Primary Sludge Screening and Degritting Building and Gravity Thickeners 1-10, including restoring service to Gravity Thickeners 5 -6.

**Current Supplemental Agreement Scope:**

- Provide engineering services for detailed design and bidding of additional scope of work, including new covers and ventilation systems for Gravity Thickeners 1-10.
- Prepare a Commissioning Plan and an Operations and Maintenance Manual.

**Future Supplemental Agreement Scope:**

- A future supplemental agreement is anticipated to provide additional design services and professional services during construction for improvements to the Gravity Thickener Facility.

**PROCUREMENT INFORMATION**

<b>Contract Type:</b>	Lump Sum and Cost Plus FF	<b>Award Based On:</b>	Highest Ranking Score
<b>Commodity:</b>	Engineering Design Services	<b>Contract Number:</b>	DCFA #425-WSA
<b>Contractor Market:</b>	Open Market		

**BUDGET INFORMATION**

<b>Funding:</b>	Capital	<b>Department:</b>	Engineering and Technical Services
<b>Service Area:</b>	Wastewater Treatment	<b>Department Head:</b>	David McLaughlin
<b>Project:</b>	BX		

**ESTIMATED USER SHARE INFORMATION**

User	Share %	Dollar Amount
District of Columbia	41.22%	\$ 459,995.00
Washington Suburban Sanitary Commission	45.84%	\$ 511,552.00
Fairfax County	8.38%	\$ 93,517.00
Loudoun County & Potomac Interceptor	4.56%	\$ 50,887.00
<b>Total Estimated Dollar Amount</b>	<b>100.00%</b>	<b>\$ 1,115,951.00</b>

 12/5/14  
 Gail Alexander-Reeves Date  
 Director of Finance & Budget

 12/9/14  
 Teresa L. Scott Date  
 Acting Director of Procurement

 12-8-14  
 Leonard R. Benson Date  
 Chief Engineer

\_\_\_\_\_/\_\_\_\_\_  
 George S. Hawkins Date  
 General Manager



District of Columbia Water and Sewer Authority  
George S. Hawkins, General Manager

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*Briefing on:*

*Subcontracting Opportunities for  
Cured-in-Place-Pipe Lining  
Construction Contracts*

*Briefing for:*

*Environmental Quality and  
Sewerage Services Committee*

**December 18, 2014**



# Cured-in-Place Pipe (CIPP) Lining

- What is CIPP lining?

CIPP is a jointless, seamless, pipe-within-a-pipe with the capability to rehabilitate pipes ranging in diameter from 4"–110".

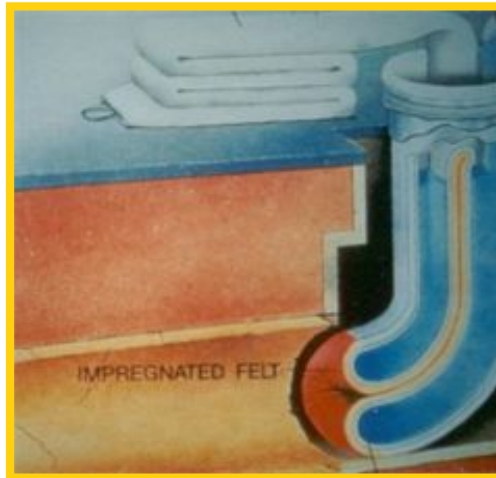
A resin-saturated felt tube made of polyester, fiberglass or other material, is inverted or pulled into a damaged pipe. The liner can be inverted using water or air pressure.

Hot water, UV light, ambient cured or steam is used to cure the resin and form a tight-fitting, jointless and corrosion-resistant replacement pipe.

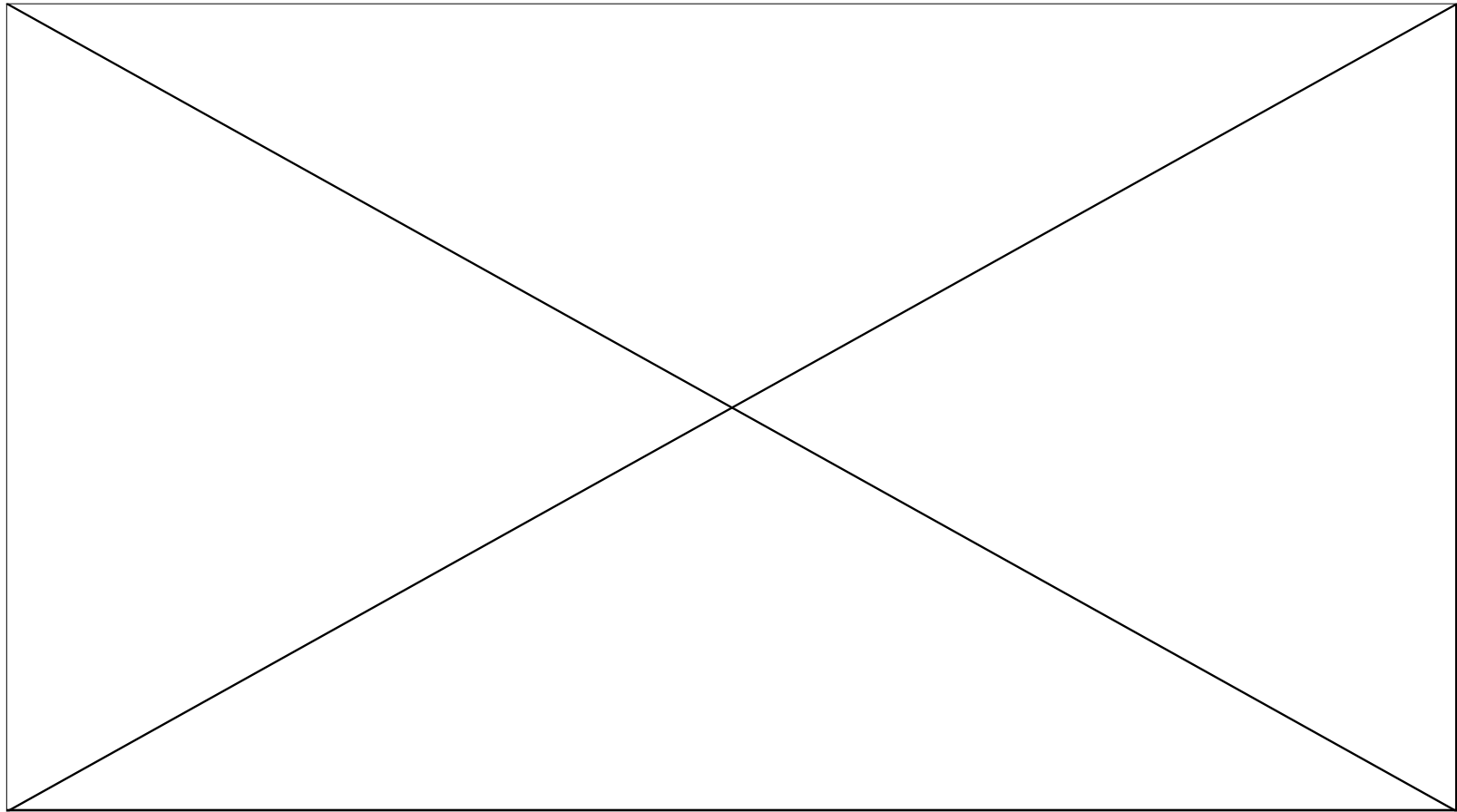




# CIPP Installation



[http://www.insituform.com/howwedoit/inversion\\_animation.htm](http://www.insituform.com/howwedoit/inversion_animation.htm)





## Advantages of CIPP

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### *Why use CIPP lining?*

- Cost effective – similar or less than traditional methods; can be up to 50% less in some cases; substantially lower paving costs
- Limited or no excavation - liners usually installed via existing manholes
- Faster – up to 75% less time on the job site
- Lateral connections restored without excavation
- Less traffic disruption to the public resulting from limited excavation and shorter contract duration



# CIPP Installation Limited Competition

- CIPP manufacturers will not provide materials to installers other than those whom they have licensed.
  - Resin formulas are proprietary
  - Installation requires specialty equipment; reinstating lateral connections requires special expertise
  - Liners must be manufactured specifically for each pipe
- As a result, limited subcontracting opportunities will make it difficult to meet DC Water's Fair Share Objective (FSO) goals of 32% MBE and 6% WBE. Potential subcontractor opportunities do exist for:
  - Pipeline cleaning and CCTV inspection
  - Bypass Pumping
  - Traffic Control



## CIPP Construction Contracting

*Over the next five (5) years, DC Water expects to spend about \$81M on CIPP lining contracts.*

- Work packaged for efficiency
  - Identify and prioritize pipelines for rehabilitation based on: physical condition, performance condition, and criticality
  - Group pipelines with similar rehabilitation methods
  - Perform work by neighborhood to minimize mobilization costs and disruption
- As a result of the grouping of work, there may be **limited subcontracting opportunities** associated with these contracts. Recent CIPP construction contracts advertised in the region have goals in the range of 7-8% MBE and 0-2% WBE.





## Conclusions

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- Use of CIPP lining is a good business decision for DC Water and its customers.
- Procurement of CIPP lining work using DC Water's approved FSOs (32% for MBE, 6% for WBE) is an appropriate approach; however, we anticipate that the results achieved will likely be less than the goals.