

# DUTCHESS COUNTY

## WATER AND WASTEWATER AUTHORITY

27 High St. 2<sup>nd</sup> Floor  
Poughkeepsie  
New York, 12601  
(845) 486-3601  
Fax (845) 486-3610  
dcwwa@dutchessny.gov  
www.DCWWA.org

### Authority Board Members

**Thomas LeGrand**  
Chairperson

**Vincent DiMaso**  
Vice-Chairperson

**Rudy Vavra**  
Treasurer

**Lawrence R. Knapp**  
Secretary

**Michael Cotton**

### Ex officio Members

**Brian Scoralick**  
Acting Executive Director  
Soil and Water Conservation District

**Eoin Wrafter**  
Commissioner  
D.C. Dept. of Planning & Development

### Staff

**Bridget Barclay**  
Executive Director

**Mary C. Morris**  
Deputy Director

## DUTCHESS COUNTY WATER AND WASTEWATER AUTHORITY

WEDNESDAY, August 17, 2016

3:30 P.M.

### PROPOSED AGENDA

1. Meeting Open – Introductions
2. Public Comment
3. Approval of Minutes
  - July 20, 2016 Board Meeting (R2016.08.A)
  - July 27, 2016 Special Board Meeting (R2016.08.B)
4. Chairman's Report
5. Operations
  - Operations Report
  - GF Assignment Request
  - Office Space Relocation
  - Approval of HPR Alum Sludge Removal Contract (R2016.08.C)
  - Approval of CCS Replacement Boiler Contract (R2016.08.D)
  - Approval of CCS RBC Repair Contract (R2016.08.E)
6. Finance Report
  - Approval of Warrant (R2016.08.F)
  - Agreement Renewal with Rose & Kiernan Insurance (R2016.08.G)
  - Workers Compensation Board Audit
  - NYS Comptroller's Audit
7. Capital Projects
  - Hyde Park WTF Instrumentation and Control Phase 1 Engineering Design
  - SHW Improvement Projects Status
  - Amendment #1 to 2015 SHW General Engineering Services Agreement – Savin Engineers (R2016.08.H)
  - GFS I&I Investigations RFP Process
  - DC Airport Water Line Construction Services RFP Process
  - ACSD Amendment to MOU (R2016.08.I)
8. Community Projects
  - Red Hook Acres
  - Hyde Park Route 9G Area Water Service Request
  - Meadows at Pawling Sewer
9. Confirm next Board Meeting date - Wednesday, September 21, 2016
10. Adjourn

The meeting will be held at 27 High Street – 2nd Floor Conference Room  
Members please call Lisa (475-3515) ASAP if you cannot attend

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**DUTCHESS COUNTY WATER AND WASTEWATER AUTHORITY  
UNAPPROVED MINUTES OF JULY 20, 2016**

Authority Board Members

**Thomas LeGrand**  
Chairperson

**Vincent DiMaso**  
Vice-Chairperson

**Rudy Vavra**  
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Staff

**Bridget Barclay**  
Executive Director

**Mary C. Morris**  
Deputy Director

**Board Members Present**

Tom LeGrand  
Vince DiMaso  
Larry Knapp  
Mike Cotton

**Staff Present**

Bridget Barclay  
Jackie Burger  
Ed Mills  
Mary Morris  
Doug Odell

**Board Member Absent**

Rudy Vavra

**Ex-Officio Member**

Eoin Wrafter – Commissioner, Dutchess County Planning  
and Development

**Others Present**

Pete Marlow – Dutchess County Health Department

**Meeting Open**

Tom LeGrand opened the meeting at 3:40 p.m. and asked for any public comment. There were no members of the public present.

**Approval of Board Meeting Minutes**

Tom requested a motion to approve the minutes of the June 15, 2016 board meeting. The motion was made by Vince, seconded by Larry; voted on and passed unanimously. (Res. 2016.07.A/01)

Larry then made a motion to approve the minutes of the Special Board Meeting June 30, 2016. This was seconded by Mike; voted on and passed unanimously with Vince abstaining. (Res. 2016.07.B/02)

### **Chairman's Report**

Mike made a motion that the Dutchess County Water and Wastewater Authority Board and staff hereby recognize the exceptional contributions of Stephen J. Heupler and thank him for his many years of invaluable service. This was seconded by Larry and passed unanimously. (Res. 2016.07.C/03)

### **Operations Report**

Larry made a motion that the 2016 Operations Contracts with VRI, Inc. for the above named systems be amended to provide a 0.3% increase to all Hourly Rates attached to and made a part of the Contracts, and further resolved the Operations Contracts be amended to provide for an annual increase to the Hourly Rates equal to the percentage increase in the Consumer Price Index reported by the US Bureau of Labor Statistics for the remaining one annual renewal term. This was seconded by Vince and passed unanimously. (Res. 2016.07.D/04)

### **Global Foundries Assignment Request**

Bridget said a letter from Global Foundries was included in the package. Tom said we are now waiting for a letter from East Fishkill outlining their concerns if the Authority would be taking it over. Bridget said we are also waiting for a more detailed proposal/term sheet from Global Foundries and the Town of East Fishkill explaining in more detail how they would like this contract to work.

### **Finance Report – Approval of Warrant**

Larry made a motion to accept the warrant as presented. The motion was seconded by Vince voted on and passed unanimously. (Res. 2016.07.E/05)

### **DOWR Proposed Budget**

A memo on the proposed budget for the Division of Water Resources was included in the package. This year the budget needed to be submitted to the County by July 8<sup>th</sup>. The DOWR budget provides a very small portion of the overall operating budget for the Authority, specifically functions related to community assistance, County liaison work, preliminary project evaluation and development, and water resource management. The only proposed change from the 2016 budget is an increase from \$95,000 to \$120,000 in the amount requested for Staff Support.

### **Capital Projects – Hyde Park WTF Instrumentation and Control Phase 1 Engineering Design Agreement**

The Board agreed to table this resolution.

### **Dalton Farms Sewer WWTP Exhaust Fan Contract Closeout Change Order**

Larry made a motion that the Executive Director or Deputy Director is authorized to execute Change Order No. 1 in the reduction amount of \$750.00 for the Dalton Farms Sewer Wastewater Treatment Plant EQ Exhaust Fan Replacement Project resulting in a revised contract value of \$35,649.00. This was seconded by Mike and passed unanimously. (Res. 2016.07.F/06)

**SHW Project Status**

The Shore Haven Project status memo was included in the package. Bridget advised the Board that we have the distribution contract, all of the bonds and will be issuing notice to proceed later this week for the distribution system project. Water quality results are still below the limits for disinfection by-products and radiologicals.

**DC Airport Water Line Status Report**

A memo on the DC Airport Water Line was included in the package. Bridget said essentially everything is on track with the exception of a few minor issues.

**Community Projects – Authorize Execution of Professional Services Agreement – Vanderburgh Cove Sewer System Survey**

Vince made a motion that the Board Authorizes the Executive Director or Deputy Director to, contingent upon receipt from the Town of the necessary funding, enter into a professional services agreement with Morris Associates Engineering & Surveying Consultants, PLLC, Poughkeepsie, NY for Professional Service Agreement – Vanderburgh Cove Sewer System Survey for a cost not to exceed of \$25,536.00. This was seconded by Larry and passed unanimously. (Res. 2016.07.G/07)

**Hoffman/Red Hook Acres Water and Sewer**

This project has been delayed.

**Enter into Executive Session**

At 4:32pm Tom asked for a motion to enter into executive session. Vince made the motion; seconded by Larry and passed unanimously. (Res. 2016.07.H/08)

**Close Executive Session**

At 4:50pm Larry made a motion to close executive session. This was seconded by Vince and passed unanimously. (Res. 2016.07.I/09)

**Confirm next meeting date**

Tom confirmed the next meeting date of August 17, 2016 at 3:30pm.

**Motion to adjourn**

Tom asked for a motion to adjourn; Rudy made the motion: seconded by Larry and passed unanimously. (Res. 2016.07.J/10)

Respectfully submitted,



Jackie Burger  
Senior Typist

**Resolutions**

- |                   |   |
|-------------------|---|
| Res. 2016.07.A/01 | Motion to approve minutes from the June 15, 2016 board meeting  |
| Res. 2016.07.B/02 | Motion to approve minutes from the June 30, 2016 special board meeting                                  |
| Res. 2016.07.C/03 | Motion to recognize Steve Heupler upon his retirement   |
| Res. 2016.07.D/04 | Motion to approve amendment to VRI Operations Contracts   |
| Res. 2016.07.E/05 | Motion to approve the warrant as presented  |
| Res. 2016.07.F/06 | Motion to authorize Change order No. 1 – Dalton Farms Sewer WWTP Exhaust Fan Contract Closeout          |
| Res. 2016.07.G/07 | Motion to authorize execution of professional services agreement – Vanderburgh Cove Sewer System Survey |
| Res. 2016.07.H/08 | Motion to enter into executive session  |
| Res. 2016.07.I/09 | Motion to close executive session   |
| Res. 2016.07.J/10 | Motion to adjourn   |

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**DUTCHESS COUNTY WATER AND WASTEWATER AUTHORITY  
UNAPPROVED – MINUTES OF JULY 27, 2016**

Authority Board Members

**Thomas LeGrand**  
Chairperson

**Vincent DiMaso**  
Vice-Chairperson

**Rudy Vavra**  
Treasurer

**Lawrence R. Knapp**  
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Staff

**Bridget Barclay**  
Executive Director

**Mary C. Morris**  
Deputy Director

**Board Members Present**

Vince DiMaso  
Larry Knapp  
Michael Cotton

**Staff Present**

Bridget Barclay  
Jackie Burger  
Mary Morris  
Doug Odell

**Board Members Absent**

Tom LeGrand  
Rudy Vavra

**Meeting Open**

Vice-Chairman Vince DiMaso opened the meeting at 9:20a.m. He then advised the Board that the purpose of today's meeting is Approval of the Warrant.

Michael made a motion to approve the warrant as presented. This was seconded by Larry and passed unanimously. (2016.07.27.A/01)

**Adjournment**

At 9:22a.m. Vince asked for a motion to adjourn. Larry made the motion; seconded by Michael and passed unanimously. (2016.07.27.B/02)

Respectfully submitted,

Jackie Burger  
Senior Typist

**Resolutions**

Res.2016.07.27.A/01      Motion to approve the Warrant  
Res.2016.07.27.B/02      Motion to Adjourn

**Resolution Package – Not for Release**

**Summary of Possible Motions for August 17, 2016 DCWWA Meeting:**

The following is a list of motions that will be considered by the Board. Drafts of complete motions and explanatory memos are included in your package. Potential motions will be referenced with letters (A, B, C.....). Each will be assigned a permanent number in sequential order in the board minutes after the meeting.

1. Approval of Minutes – July 20, 2016 Board Meeting (R2016.08.A)
2. Approval of Minutes – July 27, 2016 Special Board Meeting (R2016.08.B)
3. Award of HPR Alum Sludge Removal Contract (R2016.08.C)
4. Award of Chelsea Cove Sewer Replacement Boiler Contract (R2016.08.D)
5. Amendment #1 to Chelsea Cove Sewer RBC Repairs Contract (R2016.08.E)
6. Approval of Warrant (R2016.08.F)
7. Agreement Renewal with Rose & Kiernan Insurance (R2016.08.G)
8. Amendment #1 to 2015 Shore Haven Water System General Engineering Services Agreement - Savin Engineers (R2016.08.H)
9. Authorize Amendment to MOU with Arlington Central School District (R2016.08.I)

**RESOLUTION NO. 2016.08.A**

**Authority Board – DCWWA  
August 17, 2016 meeting**

\_\_\_\_\_ offers the following resolution and moves its adoption:

**APPROVAL OF MINUTES – JULY 20, 2016 BOARD MEETING**

Seconded by \_\_\_\_\_

<b><u>Record of Vote:</u></b>	<b><u>Aye</u></b>	<b><u>Nay</u></b>
Thomas LeGrand	—	—
Vincent DiMaso	—	—
Larry Knapp	—	—
Rudy Vavra	abstains	
Michael Cotton	—	—

**RESOLUTION NO. 2016.08.B**

**Authority Board – DCWWA  
August 17, 2016 meeting**

\_\_\_\_\_ offers the following resolution and moves its adoption:

**APPROVAL OF MINUTES – JULY 27, 2016 SPECIAL BOARD MEETING**

Seconded by \_\_\_\_\_

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<b><u>Record of Vote:</u></b>	<b><u>Aye</u></b>	<b><u>Nay</u></b>
Thomas LeGrand	abstains	
Vincent DiMaso	—	—
Larry Knapp	—	—
Rudy Vavra	abstains	
Michael Cotton	—	—

**AWARD OF HPR ALUM SLUDGE REMOVAL CONTRACT**

\_\_\_\_\_ offers the following resolution and moves its adoption:

WHEREAS; the Hyde Park Water Filtration Plant utilizes Alum as a coagulant for the filtration process, and

WHEREAS; the byproduct of this process is an Alum sludge waste, and

WHEREAS; this waste must be removed and disposed of in a New York State DEC approved site, and

WHEREAS; no sludge was removed in 2015, and

WHEREAS; the following written quotes for this removal and disposal were received from

1) Duffy Layton Contracting, Stanfordville, NY	\$31.00/ton
2) Thomas Gleason, Inc., Poughkeepsie, NY	\$52.75/ton
3) Soiltech, LLC, Poughkeepsie, NY	\$50.00/ton

and,

WHEREAS; Authority staff has compared all quotes and has determined that Duffy Layton Contracting has submitted the lowest price quote from all responsible vendors for the removal and disposal of the waste Alum sludge.

THEREFORE BE IT RESOLVED THAT; the Executive Director or Deputy Director is authorized to execute a contract with Duffy Layton Contracting, for the removal and disposal of a maximum of 1,100 tons of waste Alum sludge, at \$31.00 per ton, for a not to exceed value of \$34,100.

Seconded by \_\_\_\_\_

<b><u>Record of Vote:</u></b>	<b><u>Aye</u></b>	<b><u>Nay</u></b>
Thomas LeGrand	___	___
Vincent DiMaso	___	___
Larry Knapp	___	___
Rudy Vavra	___	___
Michael Cotton	___	___

**AWARD OF CHELSEA COVE SEWER REPLACEMENT BOILER CONTRACT**

\_\_\_\_\_ offers the following resolution and moves its adoption:

WHEREAS; during the past heating season the CCS WWTP boiler failed on multiple occasions, and

WHEREAS; the cause was determined to be the failure of the boiler control circuit boards, and

WHEREAS; the replacement control circuit boards where no longer available for this boiler, and

WHEREAS; the recommendation by the contracted maintenance provider was to replace the boiler with the same make and model (with the updated control circuit boards) to avoid possible design changes and to minimize piping and wiring changes, and

WHEREAS; the Authority Procurement Policy required quotes be solicited from three vendors, the following companies were solicited and their quotes are noted:

Tekcon Heating and Cooling, Poughkeepsie, NY	\$16,571.30
DJ Heating and Air Conditioning, Inc., Marlboro NY	\$15,703.00
FoxAir Corporation, Poughkeepsie, NY	No Response
and	

WHEREAS; Staff has reviewed the quotes submitted and determined that the lowest responsible bidder is DJ Heating and Air Conditioning, Inc.

THEREFORE BE IT RESOLVED THAT; the Executive Director or Deputy Director is authorized to execute a contract with DJ Heating and Air Conditioning, Inc. for the purchase and installation of a replacement boiler at the Chelsea Cove Sewer Plant for the amount of \$15,703.

Seconded by \_\_\_\_\_

<u>Record of Vote:</u>	<u>Aye</u>	<u>Nay</u>
Thomas LeGrand	___	___
Vincent DiMaso	___	___
Larry Knapp	___	___
Rudy Vavra	___	___
Michael Cotton	___	___

**AMENDMENT #1 TO CHELSEA COVE SEWER RBC REPAIR CONTRACT**

\_\_\_\_\_ offers the following resolution and moves its adoption:

WHEREAS; the Authority has entered into an contract dated March 30, 2016 with Darlington Equipment Company for the repair of the RBC bearing and shaft at the Chelsea Cove Wastewater Treatment Plant, for an amount not to exceed \$9,990, and

WHEREAS; the removal of the failed bearing revealed damage to the shaft greater than was expected, and

WHEREAS; it also exposed a severe failure of the concrete support wall to which the bearing and mounting plate are secured, and

WHEREAS; a report by the system engineer, Morris Associates, noted that the failure of the concrete support was the direct cause of the bearing failure, and made recommendations for the repair of same, and

WHEREAS; it was further determined that, based on the extent of the damage to the RBC shaft, it is in the Authority's best interest that a new drive end shaft be installed, and

WHEREAS; Darlington Equipment Company provided a quote of \$4,900 for the repair of the concrete wall and fabrication and installation of a new mounting plate, and

WHEREAS; Darlington Equipment provided a the quote of \$15,990 for the replacement of the damaged shaft with a new shaft supplied by Darlington Equipment Company, replacing the original price quote of \$2,995 for the shaft repair, and

WHEREAS; staff has reviewed the revised price quotes provided by Darlington Equipment and recommends the contract scope of work and price be amended to include; \$6,995 for the replacement of the bearing, \$4,900 for the repair of the concrete wall and fabrication and installation of a new mounting plate; and \$15,990 for the supply and installation of the new shaft, bringing the total cost for this repair to the RBC to \$27,885.

THEREFORE BE IT RESOLVED THAT; the Executive Director or Deputy Director is authorized to execute Amendment #1 to the contract with Darlington Equipment Company to add the repair of the concrete support wall and change the repair of the drive end shaft to a replacement with a new shaft for a total cost not to exceed \$27,885.

Seconded by \_\_\_\_\_

**Record of Vote:**                      **Aye**                      **Nay**

Thomas LeGrand                      \_\_\_                      \_\_\_

Vincent DiMaso                      \_\_\_                      \_\_\_

Larry Knapp                      \_\_\_                      \_\_\_

Rudy Vavra                      \_\_\_                      \_\_\_

Michael Cotton                      \_\_\_                      \_\_\_

**RESOLUTION NO. 2016.08.F**

**Authority Board – DCWWA  
August 17, 2016 meeting**

**APPROVAL OF WARRANT**

\_\_\_\_\_ offers the following resolution and moves its adoption:

**Approval of warrant, as presented**

Seconded by \_\_\_\_\_

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<u>Record of Vote:</u>	<u>Aye</u>	<u>Nay</u>
Thomas LeGrand	___	___
Vincent DiMaso	___	___
Larry Knapp	___	___
Rudy Vavra	___	___
Michael Cotton	___	___

**AGREEMENT RENEWAL WITH ROSE & KIERNAN INSURANCE**

\_\_\_\_\_ offers the following resolution and moves its adoption:

WHEREAS; on October 24, 2012, the Dutchess County Water and Wastewater Authority (the “Authority”) Board approved Resolution No. 2012.10.H for Insurance Consulting/Broker Services, and

WHEREAS; the agreement was amended with Resolution No. 2015.08.D allowing for an extension (renewal) of the agreement through the 2017 calendar year, and

WHEREAS; the agreement resulting from this resolution requires notification to be provided by the Authority to Rose and Kiernan at least 120 days prior to December 31, 2016 if the Authority elects to renew the term of the Agreement, and

WHEREAS; at this time, it is the recommendation of the Staff that the Authority elect to renew the agreement with Rose and Kiernan for the 2017 calendar year to serve as consultant.

NOW THEREFORE BE IT RESOLVED THAT; the Dutchess County Water and Wastewater Authority hereby consents to amending the agreement with Rose and Kiernan, Inc. of Fishkill, NY for Insurance Consulting and Broker Services dated November 1, 2012 to be extended through the 2017 calendar year for a fee not-to-exceed \$20,000 (twenty thousand dollars) with additional amounts as adjusted by the contract, and authorizes the Authority’s Executive Director or Deputy Director to execute a letter amending the original 2012 executed agreement for the same.

\_\_\_\_\_ offers the following resolution and moves its adoption:

Seconded by \_\_\_\_\_

<b>Record of Vote:</b>	<b>Aye</b>	<b>Nay</b>
Thomas LeGrand	___	___
Vincent DiMaso	___	___
Larry Knapp	___	___
Rudy Vavra	___	___
Michael Cotton	___	___

**AMENDMENT #1 to 2015 SHORE HAVEN WATER SYSTEM  
GENERAL ENGINEERING SERVICES AGREEMENT – SAVIN ENGINEERS**

\_\_\_\_\_ offers the following resolution and moves its adoption:

WHEREAS; the Authority entered into an Agreement with Savin Engineers, P.C. for general engineering services for the Shore Haven Water System with an effective date of January 1, 2015, and

WHEREAS; it is the Authority’s intent to finance the expenses of the Shore Haven Water System Phase 1 (Water Supply and Treatment) and Phase 2 (Distribution System Improvements), including the costs of necessary Engineering Services, through the New York State Environmental Facility Corporation’s Drinking Water State Revolving Loan Fund (DWSRF) program, and

WHEREAS; as a condition of participation in the DWSRF financing program, all non-construction service agreements with a value greater than \$25,000 must include specific language relating to Equal Employment Opportunity (EEO) and Minority and Women – Owned Business Enterprise (MWBE) program goals and requirements.

THEREFORE BE IT RESOLVED THAT; the Authority Board hereby authorizes the Executive Director or Deputy Director to execute the necessary amendment to the 2015 Shore Haven Water System General Engineering Services Agreement with Savin Engineers, P.C. to incorporate the requisite EEO and M/WBE contract provisions.

Seconded by \_\_\_\_\_

<b><u>Record of Vote:</u></b>	<b><u>Aye</u></b>	<b><u>Nay</u></b>
Thomas LeGrand	___	___
Vincent DiMaso	___	___
Larry Knapp	___	___
Rudy Vavra	___	___
Michael Cotton	___	___

**AUTHORIZE AMENDMENT TO MOU WITH  
ARLINGTON CENTRAL SCHOOL DISTRICT**

\_\_\_\_\_ offers the following resolution and moves its adoption:

WHEREAS; The Arlington Central School District (ACSD) and the DCWWA executed a Memorandum of Understanding (MOU) on June 28, 2011 to provide water to the ACSD Beekman Elementary School from the Dalton Farms Water System, and

WHEREAS; Under this MOU, the ACSD was responsible for the construction, testing and disinfection of the main prior to the DCWWA accepting the main for ownership, and

WHEREAS; ACSD has now obtained the required NYS Education Department approval and approval of funding for the project, and

WHEREAS; In order to expedite the construction of the interconnection, the ACSD now wishes to have the DCWWA take responsibility for the construction of the project with all management, construction administration and contract costs reimbursed by the ACSD, and

WHEREAS; the DCWWA and ACSD have negotiated an Amendment to the MOU to identify the respective obligations of the parties which must be performed in order for the DCWWA to take responsibility for construction of the project, and

WHEREAS; DCWWA staff have provided a schedule for bidding award, construction and testing, which has been accepted by the ACSD, and

WHEREAS; DCWWA staff have provided a cost estimate for management, construction administration and contract efforts to construct the line to the ACSD Beekman Elementary School property line and the service connection to the building, currently under review by the ACSD, and

WHEREAS; contingent upon ACSD acceptance of the project cost estimate, staff recommends that the Board authorize the execution of the Amendment to the MOU in substantially the same form as presented herein to the Authority Board.

THEREFORE BE IT RESOLVED THAT; contingent upon ACSD acceptance of the project cost estimate, the Authority Board hereby authorizes its Executive Director or Deputy Director to execute the Amendment to the ACSD MOU in substantially the same form as presented herein to the Authority Board.

Seconded by \_\_\_\_\_

<b>Record of Vote:</b>	<b>Aye</b>	<b>Nay</b>
Thomas LeGrand	___	___
Vincent DiMaso	___	___
Larry Knapp	___	___
Rudy Vavra	___	___
Michael Cotton	___	___

**DUTCHESS COUNTY WATER AND WASTEWATER AUTHORITY  
WARRANT  
August 17, 2016**

<u>VOUCHER</u>	<u>PAYEE</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>	<u>CONTRACT</u>	<u>TO DATE</u>	<u>PERCENT</u>
<b><u>Arbors Water System</u></b>						
ABW16017	Byrnes Message Bureau, Inc.	Answering service: August 2016	77.66			
<b>SUBTOTAL</b>			<b>77.66</b>			
<b><u>Benefit Assessment</u></b>						
BEN16007	Drake, Loeb, Heller, etal.	Professional services: T Rex (May/june 2016)	1,709.63	30,000.00	9,766.61	32.56%
<b>SUBTOTAL</b>			<b>1,709.63</b>			
<b><u>Birch Hill Water System</u></b>						
BHW16052	VRI Environmental Services, Inc.	Operations and Maintenance: July 2016	858.00	10,296.00	6,006.00	58.33%
BHW16053	Dig Safely New York, Inc.	Location Request Services: June 2016	194.73			
BHW16054	Amrex	Chemicals: Hypochlorite	216.00			
BHW16055	VRI Environmental Services, Inc.	Cleaned out street valves: 07/26/16	245.00			
BHW16056	VRI Environmental Services, Inc.	Alarm/due to storm: 07/25/16	160.00			
BHW16057	Dig Safely New York, Inc.	Location Request Services: July 2016	195.45			
BHW16058	Frontier Communications	Telephone service: 7/25/16 -8/24/16 (227 6847)	43.30			
<b>SUBTOTAL</b>			<b>1,912.48</b>			

**DUTCHESS COUNTY WATER AND WASTEWATER AUTHORITY  
WARRANT  
August 17, 2016**

<u>VOUCHER</u>	<u>PAYEE</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>	<u>CONTRACT</u>	<u>TO DATE</u>	<u>PERCENT</u>
<b><u>Chelsea Cove Sewer System</u></b>						
CCS16095	Royal Carting Service Co.	Monthly Refuse Removal: July 2016	76.59			
CCS16096	VRI Environmental Services, Inc.	Operations and Maintenance: July 2016	2,858.58	34,303.00	20,010.06	58.33%
CCS16097 E	H.A. Schreck, Inc.	Lesson motor	2,044.17			
CCS16098	NYSEG	Electric service:6/11/16-7/12/16 (10010243847)	1,990.72			
CCS16099	Frontier Communications	Telephone service: 7/7/16-8/6/16 (2265492)	43.20			
CCS16100	USA BlueBook	2" gasket/PVC suction hose	91.79			
CCS16101	Used 7/27/16 meeting		0.00			
CCS16102	Used 7/27/16 meeting		0.00			
CCS16103 ** *	Black Electric, Inc.	CCS WWTP Rehab: Payment Request #5	50,825.00	559,500.00	303,192.50	54.19%
CCS16104	VRI Environmental Services, Inc.	Power issues/Comminuator panels: 06/27/16	1,460.00			
CCS16105	VRI Environmental Services, Inc.	High level alarm: 06/29/16	430.00			
CCS16106	VRI Environmental Services, Inc.	Lift station Communater down: 06/30/16	765.00			
CCS16107	VRI Environmental Services, Inc.	Tie in drum fltr pump to mudwell/install T-Y, check valve: 07/05/16	150.40			
CCS16108	VRI Environmental Services, Inc.	Pull plugged pump: 07/04/16	460.00			
CCS16109	VRI Environmental Services, Inc.	Install muffin monster motor/pump/Influent pumps pulled: 07/07/16	1,020.00			
CCS16110	D&S Pump & Supply Co., Inc.	Sewage pump 1/2hp	702.00			
CCS16111	Amrex	Chemicals: Hypochlorite	481.57			
CCS16112 E	Black Electric, Inc.	Voltage issue for grinder pump	1,440.00			
CCS16113	Morris Associates Engineering Consult, PLLC.	Prof Serv: WWTP Construction Admin(Additional )6/19-7/16/16	1,818.29	342,340.00	320,820.09	93.71%
CCS16114	VRI Environmental Services, Inc.	Infuent pump tripped/pulled and cleared: 07/20-07/24/16	1,790.00			
CCS16115	VRI Environmental Services, Inc.	Pulled/cleared pump, failed alarm/not calling out: 07/26-07/31/16	2,100.20			

**DUTCHESS COUNTY WATER AND WASTEWATER AUTHORITY  
WARRANT  
August 17, 2016**

<u>VOUCHER</u>	<u>PAYEE</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>	<u>CONTRACT</u>	<u>TO DATE</u>	<u>PERCENT</u>
CCS16116 E	H.A. Schreck, Inc.	3HP explosion proof motor	1,774.67			
CCS16117	Earthcare - All County Division	Sludge removal: 7/22/16	2,000.00			
CCS16118	Morris Associates Engineering Consult, PLLC.	Prof Services: CCS WWTP Construction Administration (#8)	9,060.20	137,220.00	68,045.23	49.59%
<b>SUBTOTAL</b>			<b>83,382.38</b>			
 <b><u>Dalton Farms Sewer System</u></b>						
DFS16107	Royal Carting Service Co.	Monthly Refuse Removal: July 2016	163.35			
DFS16108	VRI Environmental Services, Inc.	Operations and Maintenance: July 2016	3,602.42	43,229.00	25,216.94	58.33%
DFS16109	NYSEG	Electric service: 6/11/16-7/12/16 (1001 0243 581)	121.48			
DFS16110	Verizon	Telephone service: 7/7/16-8/6/16 (7243574)	24.20			
DFS16111	Frontier Communications	Telephone service: 7/7/16-8/6/16 (223 3038)	47.67			
DFS16112	Earthcare - All County Division	Sludge removal: 6/24/16+7/1/16	3,000.00			
DFS16113	Frontier Communications	Telephone service: 7/24/16-8/24/16	2.74			
DFS16114	Earthcare - All County Division	Sludge removal: 7/7+13+14/16	6,000.00			
DFS16115	USA BlueBook	Replacement polyester filter	201.79			
DFS16116	Frontier Communications	Telephone service: 7/24/16-8/24/16	11.33			
<b>SUBTOTAL</b>			<b>13,174.98</b>			
 <b><u>Dalton Farms Water System</u></b>						
DFW16033	VRI Environmental Services, Inc.	Operations and Maintenance: July 2016	1,462.75	17,553.00	10,228.50	58.27%

**DUTCHESS COUNTY WATER AND WASTEWATER AUTHORITY  
WARRANT  
August 17, 2016**

<u>VOUCHER</u>	<u>PAYEE</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>	<u>CONTRACT</u>	<u>TO DATE</u>	<u>PERCENT</u>
DFW16034	Frontier Communications	Telephone service: 7/7/16-8/6/16 (223 7653)	33.59			
DFW16037	VRI Environmental Services, Inc.	Markout: 08/04/16	60.00			
<b>SUBTOTAL</b>			<b>1,556.34</b>			
 <b><u>Fairways Sewer</u></b>						
FAS16016	VRI Environmental Services, Inc.	Operations and Maintenance: July 2016	238.25	2,859.00	1,667.75	58.33%
FAS16017	Central Hudson Gas & Electric	Electric service:6/6/16-7/8/16(58122190018/2145012/2405010)	119.79			
<b>SUBTOTAL</b>			<b>358.04</b>			
 <b><u>Fairways Water</u></b>						
FAW16013	VRI Environmental Services, Inc.	Operations and Maintenance: July 2016	551.67	6,620.00	3,861.69	58.33%
FAW16014	Central Hudson Gas & Electric	Electric service:6/3/16-7/5/16(56742480017)	297.15			
<b>SUBTOTAL</b>			<b>848.82</b>			
 <b><u>Greenbush Water</u></b>						
GBW16018	Central Hudson Gas & Electric	Electric service: 6/7/16-7/11/16(51480448011)	80.79			

**DUTCHESS COUNTY WATER AND WASTEWATER AUTHORITY  
WARRANT  
August 17, 2016**

<u>VOUCHER</u>	<u>PAYEE</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>	<u>CONTRACT</u>	<u>TO DATE</u>	<u>PERCENT</u>
GBW16019	CONSTANTINO, THERESA	Refund due to overpayment at closing	17.33			
<b>SUBTOTAL</b>			<b>98.12</b>			
 <b><u>Greenfields Sewer</u></b>						
GFS16068	VRI Environmental Services, Inc.	Operations and Maintenance: July 2016	3,655.50	42,568.89	24,291.39	57.06%
GFS16069	Central Hudson Gas & Electric	Electric service:6/6/16-7/6/16 (5662 0740 01 1)	398.84			
GFS16070	USA BlueBook	Hose gauge/pump	239.72			
GFS16071	T&B Engineering, PC	Professional Services: Greenfield WWTP Rehab #1	3,820.25	181,900.00	3,820.25	2.10%
GFS16072	Amrex	Chemicals: Hypochlorite	367.00			
GFS16073	Royal Carting Service Co.	Monthly Refuse Removal: July 2016	117.00			
<b>SUBTOTAL</b>			<b>8,598.31</b>			
 <b><u>Greenfields Water</u></b>						
GFW16030	VRI Environmental Services, Inc.	Operations and Maintenance: July 2016	1,872.25	21,802.65	12,441.40	57.06%
GFW16031	Central Hudson Gas & Electric	Electric service: 6/6/16-7/6/16 (5662 0750 01 0)	349.09			
GFW16032	VRI Environmental Services, Inc.	Blowout #4 Wagon wheel rd: 07/13/16	560.00			
GFW16033	VRI Environmental Services, Inc.	Install new drain on compressor: 06/27/16	170.00			
<b>SUBTOTAL</b>			<b>2,951.34</b>			

**DUTCHESS COUNTY WATER AND WASTEWATER AUTHORITY  
WARRANT  
August 17, 2016**

<u>VOUCHER</u>	<u>PAYEE</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>	<u>CONTRACT</u>	<u>TO DATE</u>	<u>PERCENT</u>
	<u>General</u>					
GEN16148	NYS Deferred Compensation Plan	Deferred Compensation: Paydate 7/15/16	1,330.00			
GEN16149 *	Employee Benefits Division	Health Insurance Premium: July 2016	22,288.70			
GEN16150	MVP Health Care, Inc.	August 2016 Health insurance	5,580.19			
GEN16151	Paychex, Inc.	Time and Labor Management Program: June 2016	72.00			
GEN16152	NYS Deferred Compensation Plan	Deferred Compensation: Paydate 7/26/16	1,330.00			
GEN16153	NYS & Local Emp. Ret. System	Retirement System Monthly Reporting: July 2016	3,522.39			
GEN16154	DC Commissioner of Finance	Dental/Optical Premiums: July 2016	2,483.49			
GEN16155	Staples Credit Plan	Color Paper/3 tab manila	40.17			
GEN16156	Van DeWater & Van DeWater, LLP	Prof Serv: General/Arlington School/SHW improvements	5,794.60	30,000.00	16,593.11	55.31%
GEN16157	Paychex, Inc.	Administrative Services: Pay Period ending 07/22/16	749.47			
GEN16157	Paychex, Inc.	Administrative Services: Pay Period ending 07/22/16	733.27			
GEN16158	DC Commissioner of Finance	Mail: July 2016	829.63			
GEN16159	DC Commissioner of Finance	Copier/Telephone Service: June 2016	340.73			
GEN16160	DC Commissioner of Finance	June 2016 Computer services	900.00			
GEN16161 *	Rose and Kiernan, Inc.	Sept 2016 package policy	15,595.00			
GEN16162	DC Commissioner of Finance	Envelopes	81.50			
GEN16163	Churins, Jonathan D.	Reimbursement for cartridge purchases	467.93			
GEN16164	AFLAC	Insurance Coverage: July 2016	309.48			
GEN16165	Paychex, Inc.	Time and Labor Management Program: July 2016	72.00			
GEN16165	NYS Deferred Compensation Plan	Deferred Compensation: Paydate 8/12/16	1,330.00			

**DUTCHESS COUNTY WATER AND WASTEWATER AUTHORITY  
WARRANT  
August 17, 2016**

<u>VOUCHER</u>	<u>PAYEE</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>	<u>CONTRACT</u>	<u>TO DATE</u>	<u>PERCENT</u>
GEN16166	Drake, Loeb, Heller, etal.	Professional services: Poughkeepsie water	568.75			
<b>SUBTOTAL</b>			<b>64,419.30</b>			
 <b><u>Hyde Park Regional Water System</u></b>						
HPW16008	AMTEC Tax Exempt Compliance	VDS/CCS 2007 bonds/HPW1998 bonds	1,000.00			
HPW16009 ** *	Casale Construction Services, Inc.	SBW Water system Rt 9 main replacement (payment #11)	13,750.00	1,396,015.97	1,396,015.97	100.00%
HPR16202	Royal Carting Service Co.	Monthly Refuse Removal: July 2016	41.40			
HPR16203	Ulster Uniform Service, Inc.	Uniforms: July 2016	206.00			
HPR16204	Corey, Jr., Donald A	Distilled water	8.65			
HPR16205	Cablevision	Internet service: 7/16/16-8/15/16	209.69			
HPR16206	Central Hudson Gas & Electric	Elec serv:6/14-7/14 (56640195006/53272710004/53242580008)	380.54			
HPR16207	Verizon	Telephone service: 7/10/16-8/9/16 (2291117/2299233)	141.60			
HPR16208	Central Hudson Gas & Electric	Electric service:6/7/16-7/7/16 (5662 0730 01 2)	35.09			
HPR16209	Leisure Tech Supply	Carboys	35.90			
HPR16210	Chemtrade Chemicals Corporation	Chemicals: Alum Sulfate liquid	2,782.24			
HPR16211	Amrex	Chemicals: Hypochlorite	144.00			
HPR16212	Chickery's Auto Repair	Change oil/top fluids: 2009 Ford	56.95			
HPR16213	Chickery's Auto Repair	Change oil/top fluids/inspection/tires: 2006 Ford	924.95			
HPR16214	Amity Construction Corp	Curb box: 14 Mansion/mini excavator	1,090.43			
HPR16215	Amrex	Chemicals: Sodium Tripolyphosphate	1,700.00			
HPR16216	Corey, Jr., Donald A	Straw bales	48.00			
HPR16216	Verizon Wireless	Cell phone service: 7/13/15/-8/12/16	188.18			

**DUTCHESS COUNTY WATER AND WASTEWATER AUTHORITY  
WARRANT  
August 17, 2016**

<u>VOUCHER</u>	<u>PAYEE</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>	<u>CONTRACT</u>	<u>TO DATE</u>	<u>PERCENT</u>
HPR16218	Central Hudson Gas & Electric	Electric service:6/21/16-7/21/16 (53503800004)	75.84			
HPR16219	W.B.Mason	3x5 index cards/file folders/correction tape	33.97			
HPR16220	Swartz Architecture, DPC	Prof Serv: Exterior Maintenance and Repair of Buildings	3,771.25	33,210.00	25,450.00	76.63%
HPR16221	Home Depot Credit Services	Miscellaneous Supplies: June 2016	155.32			
HPR16222	Pendragon LLC	Calibration of flow meters 7/28/16	2,330.00			
HPR16223	Amity Construction Corp	Water valve replacement Crumwold Ave 7/20/16	1,149.79			
HPR16224	Amrex	Chemicals: Hypochlorite	168.00			
HPR16225	USA BlueBook	Testing chemicals	400.51			
HPR16226	USA BlueBook	Chlorine test strips/place cards	86.45			
HPR16227	American Water Works Assoc.	AWWE membership (KU-10/1/16-9/30/17)	86.00			
HPR16228	Carmel Win Water Works	(2) Hymax coupling	430.00			
HPR16229	Carmel Win Water Works	CC clamp	265.95			
HPR16230	Carmel Win Water Works	(6) Valve box ext	362.76			
HPR16231	Carmel Win Water Works	Safety flange kit	235.00			
HPR16232	Carmel Win Water Works	Mueller Hydrant extention kit	289.00			
HPR16233	Carmel Win Water Works	US pipe OL gate valve/megaplug	589.00			
HPR16234	Williams Lumber & Home Centers	Miscellaneous equipment and supplies: July 2016 (all systems)	432.20			
HPR16235	Pine Plains Ford Tractor, Inc.	Service 7/8/16+7/21/16	1,363.22			
HPR16236	Ti-Sales	Neptune meter 1" (2)	725.12			
HPR16237	Central Hudson Gas & Electric	Elec serv: 6/27-7/27/16 (56171635016/3730013/4600017)	6,099.65			
HPR16238	Verizon Wireless	Modem line: 6/24/16-7/23/16	14.04			
	<b>SUBTOTAL</b>		<b>41,806.69</b>			

**DUTCHESS COUNTY WATER AND WASTEWATER AUTHORITY  
WARRANT  
August 17, 2016**

<u>VOUCHER</u>	<u>PAYEE</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>	<u>CONTRACT</u>	<u>TO DATE</u>	<u>PERCENT</u>
<b><u>Pinebrook Sewer System</u></b>						
PBS16037	VRI Environmental Services, Inc.	Operations and Maintenance: July 2016	1,534.58	18,415.00	10,742.06	58.33%
PBS16038	VRI Environmental Services, Inc.	High water level pump station: 07/03/16	160.00			
PBS16039	VRI Environmental Services, Inc.	Pump chamber problem: 07/13/16	497.50			
PBS16040	Earthcare - All County Division	Sludge removal: 7/15,20,21/16	2,500.00			
PBS16041	Churins, Jonathan D.	Reimbursement for hay	26.00			
PBS16042	Earthcare - All County Division	Sludge removal/Confined Space: 7/20/16	350.00			
<b>SUBTOTAL</b>			<b>5,068.08</b>			
<b><u>Pinebrook Water System</u></b>						
PBW16028	VRI Environmental Services, Inc.	Operations and Maintenance: July 2016	1,023.08	12,277.00	7,161.72	58.33%
PBW16029	Central Hudson Gas & Electric	Electric service:6/13/16-7/14/16 (5664 0245 03 3)	414.62			
PBW16030	Central Hudson Gas & Electric	6/13-7/14/16 (5664 0245 03 3)(PBW16029-5664-0248-03-3)	216.19			
PBW16031	Patterson Supply Co., Inc.	Assorted parts	333.46			
<b>SUBTOTAL</b>			<b>1,987.35</b>			

**DUTCHESS COUNTY WATER AND WASTEWATER AUTHORITY  
WARRANT  
August 17, 2016**

<u>VOUCHER</u>	<u>PAYEE</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>	<u>CONTRACT</u>	<u>TO DATE</u>	<u>PERCENT</u>
<b><u>Quaker Hills Water</u></b>						
QHW16024	VRI Environmental Services, Inc.	Operations and Maintenance: July 2016	752.25	9,027.00	5,265.75	58.33%
QHW16025	Central Hudson Gas & Electric	Electric service:6/6/16-7/6/16(5662 0810 01 2)	282.50			
QHW16026	VRI Environmental Services, Inc.	Install new curb box: 07/01/16	550.95			
QHW16027	VRI Environmental Services, Inc.	Low water pressure no water: 07/14/16	60.00			
QHW16028	VRI Environmental Services, Inc.	Re attach contactor: 07/15/16	127.50			
QHW16029	VRI Environmental Services, Inc.	Leaking meter: 07/15/16	86.25			
QHW16030	VRI Environmental Services, Inc.	Took out meter and installed spool piece: 07/22/16	107.24			
	<b>SUBTOTAL</b>		<b>1,966.69</b>			
<b><u>Rokeby Water System</u></b>						
RKW16020	VRI Environmental Services, Inc.	Operations and Maintenance: July 2016	618.50	7,422.00	4,329.50	58.33%
RKW16021	Frontier Communications	Telephone service: 7/1/16-7/31/16 (758 9223)	55.74			
RKW16022	Central Hudson Gas & Electric	Electric service:5/24/16-7/21/16 (58101880019)	229.93			
RKW16023	Frontier Communications	Telephone service: 8/1/16-8/31/16 (758 9223)	55.74			
	<b>SUBTOTAL</b>		<b>959.91</b>			

**DUTCHESS COUNTY WATER AND WASTEWATER AUTHORITY  
WARRANT  
August 17, 2016**

<u>VOUCHER</u>	<u>PAYEE</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>	<u>CONTRACT</u>	<u>TO DATE</u>	<u>PERCENT</u>
	<u>Schreiber</u>					
DSW16014	VRI Environmental Services, Inc.	Operations and Maintenance: July 2016	482.67	5,792.00	3,378.69	58.33%
DSW16015	NYSEG	Electric service: 6/11/16-7/12/16 (10011912549)	53.45			
	<b>SUBTOTAL</b>		<b>536.12</b>			
	<u>Shore Haven Water System</u>					
SHW16040	VRI Environmental Services, Inc.	Operations and Maintenance: July 2016	860.92	10,331.00	6,026.44	58.33%
SHW16041	Jacqueline Devine	Easement at 7 Oaks Drive	2,835.00			
SHW16042	Savin Engineers, P.C.	Professional Services: SHW Treatment System through 6/24/16	8,052.65	532,252.00	488,758.80	91.83%
SHW16043	Jacqueline Devine	Mitigation for loss of shrubs	750.00			
	<b>SUBTOTAL</b>		<b>12,498.57</b>			
	<u>Central Dutchess Water Transmission Line</u>					
CDW16141	NYS Deferred Compensation Plan	Deferred Compensation: Paydate 7/15/16	500.00			
CDW16142	Royal Carting Service Co.	Monthly Refuse Removal: July 2016	36.23			
CDW16143	Environmental Consultants, LLC	Repair hydrant on Palen Rd	3,785.00			
CDW16144	Dig Safely New York, Inc.	June 2016	119.43			
CDW16145	Receiver of Taxes	Water bill: 3/3/16-6/2/16	186.00			
CDW16146	Central Hudson Gas & Electric	Electric service: 6/2/16-7/1/16 (56852135011)	1,873.29			

**DUTCHESS COUNTY WATER AND WASTEWATER AUTHORITY  
WARRANT  
August 17, 2016**

<u>VOUCHER</u>	<u>PAYEE</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>	<u>CONTRACT</u>	<u>TO DATE</u>	<u>PERCENT</u>
CDW16147	MVP Health Care, Inc.	August 2016 Health insurance	1,594.34			
CDW16148	Verizon	Telephone service:7/10/16-8/9/16 (4710917)	225.80			
CDW16149	Central Hudson Gas & Electric	Electric service: 6/2/16-7/1/16 (56852136011/013)	128.65			
CDW16150	Ross Valve Mfg. Co., Inc.	Asco #8210 G 94 mo 120vac, 2 way	475.11			
CDW16151	NYS Deferred Compensation Plan	Deferred Compensation: Paydate 7/26/16	500.00			
CDW16152	Cablevision	Internet service: 6/23/16-7/22/16	141.50			
CDW16153	NYS & Local Emp. Ret. System	Retirement System Monthly Reporting: July 2016	482.37			
CDW16154	DC Commissioner of Finance	Dental/Optical Premiums: July 2016	130.71			
CDW16155	Avanti Control Systems, Inc.	CDW site clean up/demobilization	3,450.00			
CDW16156	Swartz Architecture, DPC	Prof Serv: Exterior Maintenance and Repair of Buildings	3,771.25	33,210.00	29,221.25	87.99%
CDW16157	Home Depot Credit Services	Miscellaneous Supplies: June 2016	37.36			
CDW16158	Pendragon LLC	Calibration of flow meters 7/28/16	1,800.00			
CDW16159	Paychex, Inc.	Administrative Services: Payroll Period ending 07/22/16	11.73			
CDW16159	Paychex, Inc.	Administrative Services: Payroll Period ending 07/22/16	9.93			
CDW16160	USA BlueBook	Testing chemicals/curb box cover	311.57			
CDW16161	DC Commissioner of Finance	Mail: July 2016	13.38			
CDW16162	Dig Safely New York, Inc.	July 2016	105.99			
CDW16163	Davies Hardware	Gorilla tape	11.04			
CDW16164	NYS Deferred Compensation Plan	Deferred Compensation: Paydate 8/12/16	500.00			
CDW16165	Central Hudson Gas & Electric	Electric service:7/1/16-8/2/16 (56852136011/2135013)	1,852.17			
CDW16166	Avanti Control Systems, Inc.	Install fans	1,498.62			
	<b>SUBTOTAL</b>		<b>23,551.47</b>			

**DUTCHESS COUNTY WATER AND WASTEWATER AUTHORITY  
WARRANT  
August 17, 2016**

<u>VOUCHER</u>	<u>PAYEE</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>	<u>CONTRACT</u>	<u>TO DATE</u>	<u>PERCENT</u>
<b><u>VALLEY DALE SEWER SYSTEM</u></b>						
VDS16047	VRI Environmental Services, Inc.	Operations and Maintenance: July 2016	1,370.75	16,449.00	9,595.25	58.33%
VDS16048	DCWWA	Water service: 4/1/16-6/30/16	40.77			
VDS16049	Central Hudson Gas & Electric	Elec Serv: 6/22/16-7/22/16 (56530702002/0700014/0701004)	544.15			
VDS16050	VRI Environmental Services, Inc.	Generator running: 07/09/16	160.00			
VDS16051	VRI Environmental Services, Inc.	Pulled block/cable broke/repared/hung temp pump	633.50			
VDS16052	VRI Environmental Services, Inc.	Break up mat on sewer tank: 07/13/16	305.00			
VDS16053	Hydra-Numatic Sales Company	Starter/heater coils	699.00			
VDS16054	Davies Hardware	Tube sand/Timer	32.94			
	<b>SUBTOTAL</b>		<b>3,786.11</b>			
<b><u>VALLEY DALE WATER SYSTEM</u></b>						
VDW16022	VRI Environmental Services, Inc.	Operations and Maintenance: July 2016	518.25	6,219.00	3,627.75	58.33%
VDW16023	Amrex	Chemicals: Hypochlorite	14.00			
VDW16024	Central Hudson Gas & Electric	Electric service: 6/22/16-7/22/16 (5653 0700 01 4)	1,423.95			
VDW16025	USA BlueBook	Filters	533.88			
	<b>SUBTOTAL</b>		<b>2,490.08</b>			

DUTCHESS COUNTY WATER AND WASTEWATER AUTHORITY  
WARRANT  
August 17, 2016

<u>VOUCHER</u>	<u>PAYEE</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>	<u>CONTRACT</u>	<u>TO DATE</u>	<u>PERCENT</u>
	<u>Violet Ave Water</u>					
		None this warrant				
		<b>SUBTOTAL</b>	<b>0.00</b>			
		<b>TOTAL WARRANT</b>	<b>273,738.47</b>			
*		Over \$10,000 - Check Requires Two Signatures				
**		Construction Voucher -Not All Construction Vouchers Require Board Signature				
E/P		Procurement Policy Emergency Repair Provision				

TO: Authority Board  
 FROM: Frederic Zanetti  
 DATE: August 9, 2016  
 RE: July 2016 Systems Operation Report

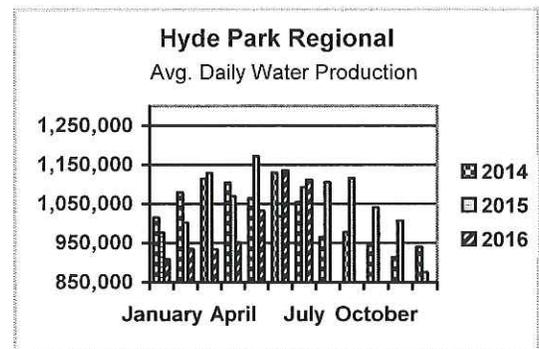
*Present: P. Derrenbacher, F. Dongo, G. Goettel, S. Osborne, A. Petit,  
 P. Scofield, R. Winchester, F. Zanetti, Doug Odell*

**1. Hyde Park Regional  
 (Zones A, B, C, D, L)**

Average daily usage: July- 1,112,000  
 June- 1,136,000 May- 1,032,000  
 All testing aspects are in compliance.

**Action Items:**

- Rt. 9 Main Valve at Crumwold Place repaired
- Raw Water Bldg. Exterior Repairs & Maint. completed

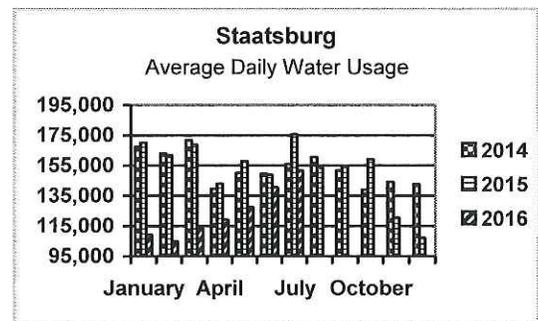


**2. Staatsburg Water (Zone C)**

Average daily usage: July- 151,800  
 June- 140,600 May- 127,600  
 All testing aspects are in compliance.

**Action items:**

- Routine Operations.

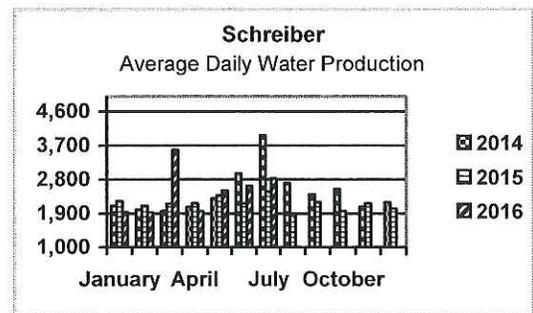


**3. Schreiber Water (Zone E)**

Average daily production: July- 2,839  
 June- 2,633 May- 2,516

**Action Items:**

- Normal operations.
- Blending of well sources continues to be successful in reducing iron levels.



#### 4. Rokeby Water (Zone F)

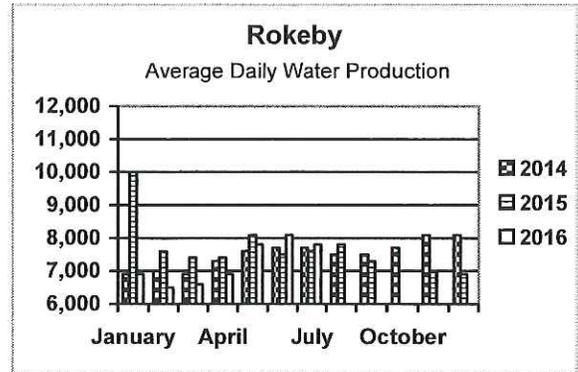
Average daily production: July- 7,800

June- 8,100    May- 7,800

All testing aspects are in compliance.

Action items:

- Routine operations.



#### 5. Valley Dale Water

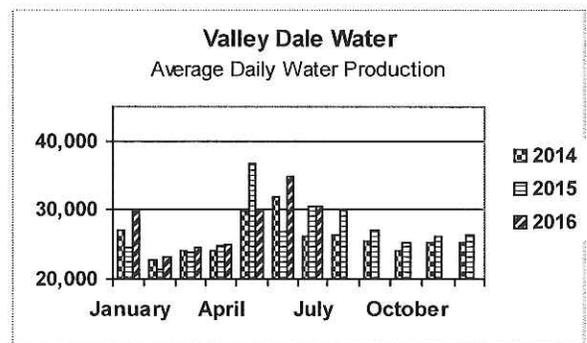
Average daily production: July- 30,515

June- 34,835    May- 30,181

All testing aspects are in compliance.

Action Items:

- Routine operations.



#### 6. Valley Dale Wastewater (S.D. #2)

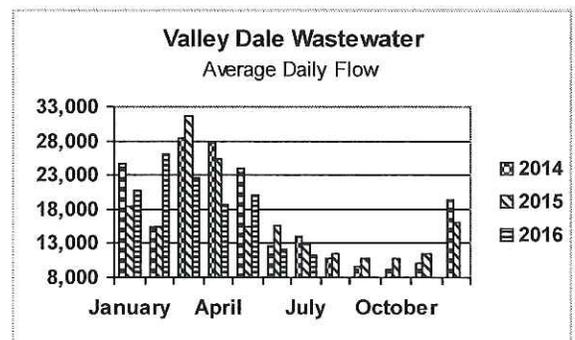
Average daily flow: July- 11,148

June- 12,098    May- 20,128

All testing aspects are in compliance.

Action Items:

- Routine operations.
- DEC Reconnaissance Inspection completed



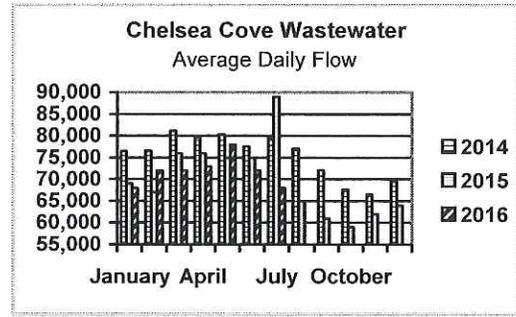
**7. Chelsea Cove Wastewater**  
(S.D. #1)

Average daily flow: July- 68,000  
June- 72,000     May- 78,000

All testing results are in compliance.

Action Items:

- Routine operations.
- Upgrade construction continues.
- RBC bearing repair being scheduled.



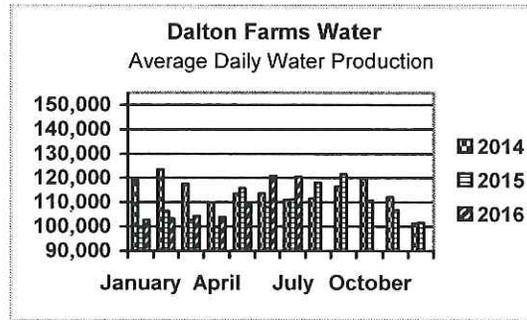
**8. Dalton Farms Water (Zone H)**

Average Daily Production: July- 120,600  
June- 120,800     May- 109,700

All testing aspects are in compliance.

Action Items:

- Normal operations.

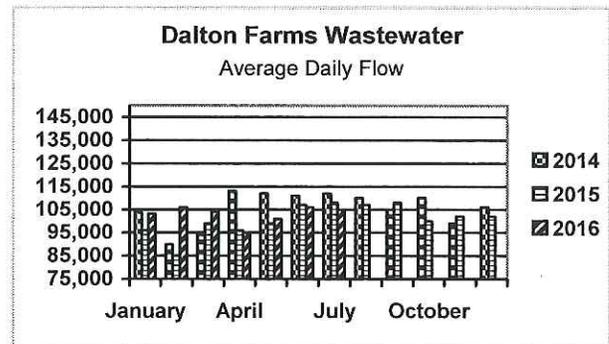


**9. Dalton Farms Wastewater (S.D. #3)**

Average Daily Flow: July- 105,000  
June- 106,000     May- 101,000  
All testing aspects are in compliance except for CBOD & TSS.

Action Items:

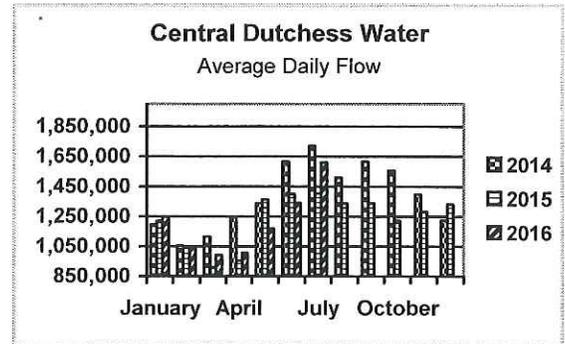
- Normal operations.
- Process sampling continues.
- DEC Reconnaissance Inspection completed



## 10. Central Dutchess Water Transmission Line

Average Daily Flow: July- 1,608,129  
 June- 1,340,700    May- 1,167,968  
 All testing aspects are in compliance.  
 Action Items:

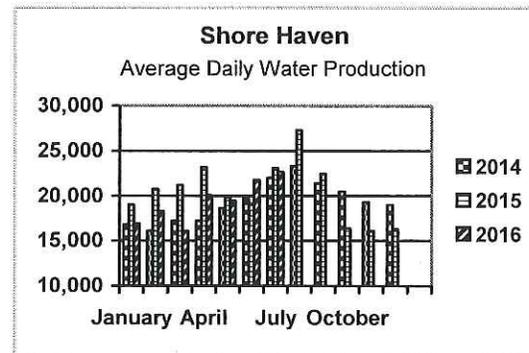
- Normal operations.
- VFD Installation completed
- Hydrant repair completed



## 11. Shore Haven Water (Zone J)

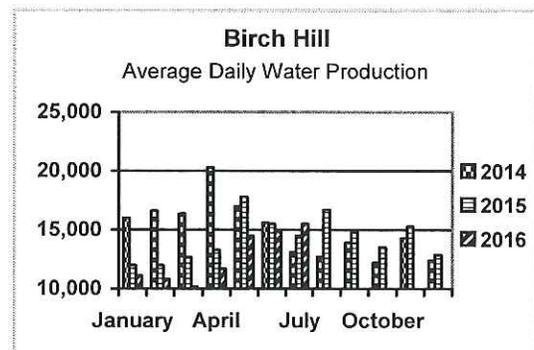
Average daily production: July- 22,690  
 June- 21,770    May- 19,470  
 All testing aspects are in compliance with the exception of Iron.

- Action items:
- Routine operations.
  - Lead and Copper sampling shows an increase in water corrosivity.



## 12. Birch Hill Water (Zone K)

Average daily production: July- 15,500  
 June- 14,800    May- 14,500  
 All testing aspects are in compliance.  
 Action items:



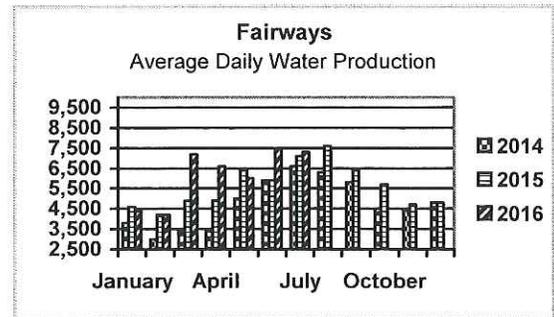
- Copper testing results have noted an increase in Copper corrosion in some homes.
- Analysis being conducted to determine cause.

### 13. Fairways Water (Zone M)

Average daily production: July- 7,300  
 June- 7,500 May- 6,000  
 All testing aspects are in compliance.

Action items:

- Routine operations



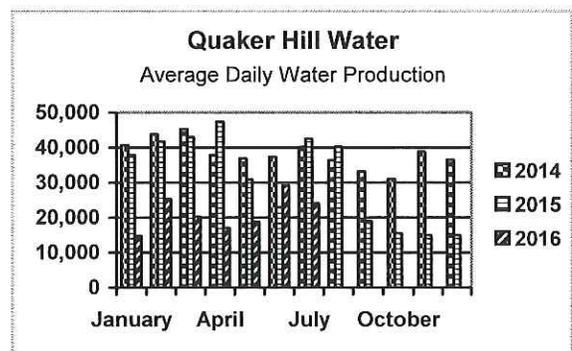
### 14. Quaker Hill Water (Zone U)

\*Transferred from the Town of Hyde Park on September 15, 2015.

Average daily production: July- 24,048  
 June- 29,087 May- 18,794  
 All testing aspects are in compliance.

Action items:

- Normal operations.



### 15. Pinebrook Water (Zone R)

\*Transferred from the Town of Hyde Park on September 15, 2015.

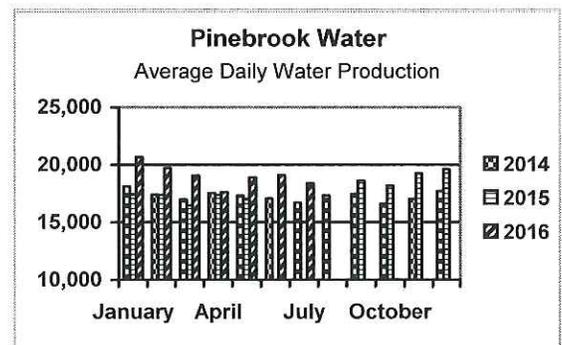
Average daily production: July- 18,400  
 June- 19,100 May- 18,900  
 All testing aspects are in compliance.

Action items:

MCL exceedance for Chlorides, Water quality analysis for all three wells completed.

Softener treatment testing to be scheduled

Piping upgrade to allow well isolation completed, blending tests scheduled for end of August.



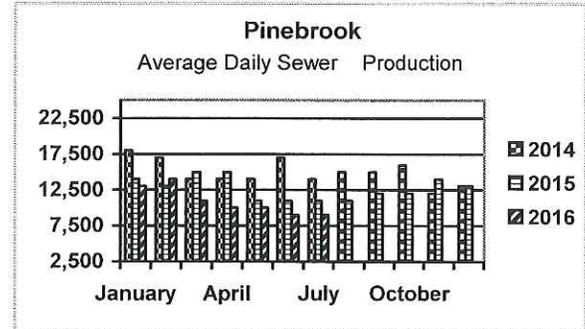
### 16. Pinebrook Wastewater (S.D. #7)

\*Transferred from the Town of Hyde Park on September 15, 2015.

Average daily production: July- 9,000  
June- 9,000 May- 10,000

All testing aspects are in compliance.  
Action items:

Repaired RBC now in service.



### 17. Fairways Wastewater (S.D. #6 )

\*Transferred from the Fairways HOA on September 1, 2015.

No issues. (Wastewater flow is not metered.)

### 18. Arbors Water (Zone O)

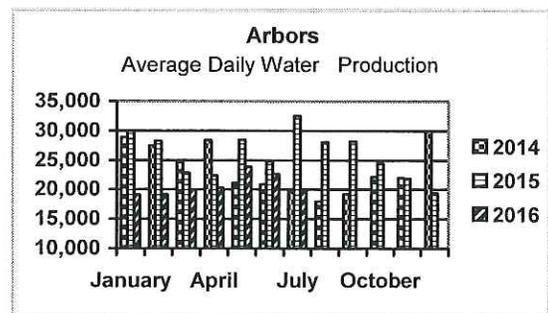
\*Transferred from the Town of Hyde Park on September 15, 2015.

Average daily production: July- 20,000 June-  
22,700 May- 23,900

All testing aspects are in compliance.

Action items: - Normal operations.

- Main Break Water Service Interruption – 7/18



### 19. Greenfields Wastewater (S.D. #8)

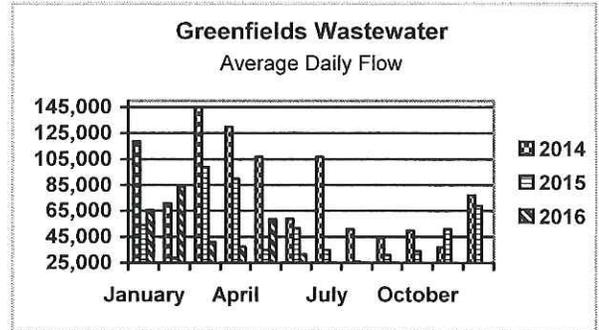
\*Transferred from the Town of Hyde Park on January 11, 2016.

Average Daily Flow: July- 25,452    June- 31,600  
 May- 58,677

All testing aspects are in compliance.

Action Items:

- Normal operations.



### 20. Greenfields Water (Zone S & T)

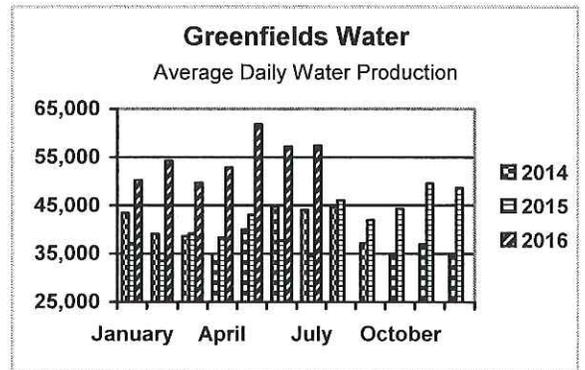
\*Transferred system operation from the Town of Hyde Park on January 11, 2016.

Average Daily Production: July- 57,423  
 June- 57,237    May- 61,865

All testing aspects are in compliance with the exception of Manganese.

Action Items:

- Well water quality data being gathered to optimize treatment process.



### 21. Greenbush Water/Violet Ave. (Zone Q)

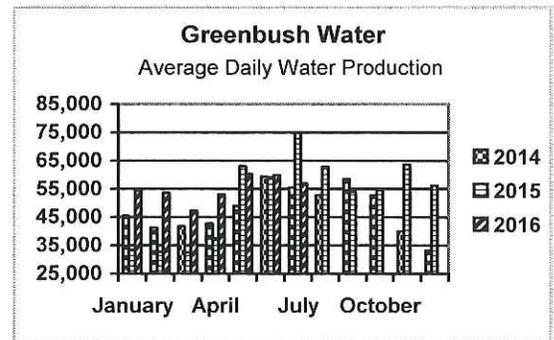
\*Transferred from the Town of Hyde Park on February 19, 2016.

Average daily production: July- 57,000  
 June- 60,000    May- 60,400

All testing aspects are in compliance.

Action items:

- Routine operations.



TO: Authority Board  
FROM: Bridget Barclay  
DATE: August 12, 2016  
RE: Shore Haven Water System Improvements Status Report

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**1) Disinfection By-Products Levels remain below the MCL in 2nd Quarter**

- Based on the second quarter sampling results for 2016 (collected 6/13/2016), levels of both Trihalomethanes (THM's) and Haloacetic Acids (HAA5's) continue to be below the Maximum Contaminant Level (MCL) for the required four-quarter rolling average. The second quarter THM level was 39.8 ug/l, bringing the four-quarter rolling average to 24.8 ug/l, compared to a MCL of 80 ug/l. The second quarter HAA5 level was 69.5 ug/l, bringing the four-quarter rolling average to 38.1 ug/l, compared to a MCL of 60 ug/l.

The Authority activated the chloramination system on February 25, 2013 at Shore Haven as an interim strategy for treating the water and reducing the occurrence of disinfection by-products in it. Since that time, the four-quarter rolling averages for both THM's and HAA5's have continued to remain significantly below the MCL.

**2) Radiologicals for 2<sup>nd</sup> Quarter** - Water samples collected on June 15, 2016 indicated a combined radium 226 and radium 228 level of 5.41 pCi/L (pico curies per liter). The quarterly average for radium 226 and radium 228 levels is now 3.32 pCi/L. The Maximum Contaminant Level (MCL) for combined radium 226 and radium 228 is 5 pCi/L.

**3) Lead and Copper annual sampling results** - Lead and copper samples were collected June 14 & 15, 2016 from seven houses connected to the Shore Haven Water System. None of the individual sites sampled exceeded the action levels for lead (action level is 15 ug/l). Two of the sample sites, however, slightly exceeded the action level for copper (action level for copper is 1.3 mg/l). The 90<sup>th</sup> percentile results were 7.4 ug/l for Lead and 1.45 mg/l for copper.

**4) Iron and Manganese results for 2<sup>nd</sup> Quarter** - Based on the second quarter sampling results for 2016 (collected 6/15/2016), the combined Iron and Manganese level is 0.4115 mg/l and is below the Maximum Contaminant Level (MCL) of 0.5 mg/l. The second quarter Manganese level was 0.0915 mg/l, compared to a MCL of 0.3 mg/l. The second quarter Iron level was 0.32 mg/l and is above the MCL of 0.3 mg/l.

**5) Permanent Water Treatment System** - Notices to Proceed have been issued today to all four Contractors on the Project with overall Substantial Completion scheduled to occur by May 12, 2017. Further, each contract has its own milestone deadlines for specific work items to occur prior to the May 12<sup>th</sup> date. We are still awaiting completed MWBE Utilization Plans, supporting documentation and/or EPA forms from two contractors. Morris Associates is currently working on setting up

a pre-construction meeting. As required by the NYS DOH in their Project approval letter, the NYS DOH, DC DOH, and the MWBE unit of NYS EFC will have to be provided 2-weeks' notice about this pre-construction meeting and afforded the opportunity to attend.

**6) Distribution System Improvements** - Grant Street Construction conducted its pre-construction video of the Project site on 8/5/2016 utilizing the firm, Code 53 Video of Hopewell Jct., NY.

A pre-construction meeting has been scheduled for August 16, 2016 with Grant Street Construction, KC Engineering and Land Surveying (CA), Weston & Sampson (design engineer), and DCWWA staff. As required by the NYS DOH in their Project approval letter, the NYS DOH, DC DOH, and the MWBE unit of NYS EFC have also been invited to this pre-construction meeting. A Notice to Proceed has been issued for the Project with Substantial Completion scheduled to occur by November 22, 2016. The Contractor expects to begin work next month.

**7) Distribution System Flushing** - Maintenance flushing has been temporarily suspended during the construction of the Distribution System Improvements.