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September 5, 2019

Ms. Luly Massaro, Clerk  
Rhode Island Public Utilities Commission  
89 Jefferson Boulevard  
Warwick, RI 02888

*Re: City of Newport, Utilities Department, Water Division  
Docket 4933*

Dear Ms. Massaro:

Enclosed please find an original and nine copies of:

1. City of Newport, Utilities Division, Water Department's Response to the Portsmouth Water and Fire District's Data Request (Set 2).

Please note that an electronic copy of this document has been sent to the service list.

Thank you for your attention to this matter.

Sincerely,



Joseph A. Keough, Jr.

JAK:prc  
Enclosure  
cc: Docket 4933 Service List (*via electronic mail*)

- PWFD 2-1:** Referring to the City of Newport Water Fund Restricted Account Analysis for Fiscal Year 2019, Q-4, please respond to the following:
- a. Identify the expenditures comprising the \$71,558.19 transfer to checking from the Capital account in June 2019.
  - b. Explain the basis for the increase in expenditures from the Capital account from \$15,600.84 in April 2019 to \$71,558.19 in June 2019.
  - c. Identify the expenditures comprising the \$139,460.66 transfer to checking from the Chemicals account in May 2019.
  - d. Identify the expenditures comprising the \$117,563.64 transfer to checking from the Chemicals account in June 2019.
  - e. For each expenditure identified in response to subparts c and d, indicate how long the City of Newport has projected the supply of chemicals purchased to last.
  - f. Explain the basis for the increase in expenditures from the Chemicals account from \$82,264.34 in April 2019 to \$139,460.66 and \$117,563.64 in May and June, respectively.

- Response:**
- a. See attached schedule of Capital expenditures made in June 2019.
  - b. See attached schedule of expenditures made in April 2019. Increases and decreases in expenditures from month to month depends on the work performed or capital equipment purchased and when the invoice for the purchase is billed by the vendor and approved for payment.
  - c. See attached schedule of Chemical expenditures made in May 2019.
  - d. See attached schedule of Chemical expenditures made in June 2019.

e. The expenditure for chemicals in May and June, except for carbon, is representative of monthly chemical purchases required for treatment based on water demand this time of year.

As for carbon replacement, when the new plants began operation in 2014, we originally projected annual replacements of carbon in two Advanced Water Treatment (AWT) vessels at each plant and one conventional filter at each plant. Our actual operational experience has been that the carbon in the AWT vessels is exhausting quicker. We have now determined that four AWT vessels per plant require carbon replacement each year.

As, noted in the attached June expenditures, an AWT vessel at each plant required carbon replacement at a combined cost of \$83,628. These two vessels will be held in reserve until needed, so it is difficult to say how long the carbon replacements for these two vessels will last. It will depend on when these two vessels are put into service to replace vessels with exhausted carbon. And then, once these vessels are put into service, their lifespan will depend on factors such as demand and raw water quality.

f. The main factor that caused the increase in chemical expenditures is the replacement of carbon for the conventional filters and the AWT vessels. Costs for carbon replacement are \$41,814 for each AWT vessel and \$52,360 for each conventional filter. In April there were no expenditures for carbon replacement. May expenditures included payments for carbon replacement for two conventional filters while in June the expenditures included payments for carbon replacement for two AWT vessels.

**Prepared by:** Julia Forgue

**City of Newport Water Division  
Docket 4933  
PWFD 2-1 a. thru d.  
Data Response  
Capital & Chemical Expenditures**

**a. June Capital expenditures**

<u>Project #</u>	<u>Paid to</u>	<u>Description</u>	<u>Invoice #</u>	<u>Invoice Date</u>	<u>Amount</u>
n/a	Howard Johnson, Inc.	John Deere 652M Stand on Mower	1715	4/22/2019	\$7,345.03
16-030	James J. Geremia & Assoc, Inc	Engineering Services Water Mains	23	5/31/2019	\$1,300.00
n/a	Stiles Company, Inc.	Badger water meters	237095	5/29/2019	\$17,953.70
n/a	Stiles Company, Inc.	Badger water meters	237200	6/5/2019	\$9,459.46
18-055	Able Engineering, Inc.	Survey Services St Mary's Pond	2	6/12/2019	<u>\$35,500.00</u>
Total					<b>\$71,558.19</b>

**b. April Capital expenditures**

<u>Project #</u>	<u>Paid to</u>	<u>Description</u>	<u>Invoice #</u>	<u>Invoice Date</u>	<u>Amount</u>
14-055	Fuss & O'Neil, Inc.	Engineering Services Easton Pond Dam	21	3/25/2019	<b>\$15,600.84</b>

**c. May Chemical Expenditures**

<u>Paid to</u>	<u>Description</u>	<u>Location</u>	<u>Invoice Date</u>	<u>Amount</u>
Calgon Carbon Corporation	Conventional Carbon Filter	Lawton Valley	4/22/2019	\$52,360.00
H. Krevit & Company	Sodium Hypochlorite	Lawton Valley	4/29/2019	\$1,954.04
Univar Solutions	Sodium Hydroxide liquid	Lawton Valley	4/24/2019	\$5,196.47
USALCO	Polyaluminum Chloride	Lawton Valley	4/24/2019	\$6,975.00
Coyne Chemical Co., Inc.	Fluoride	Lawton Valley	5/21/2019	\$1,665.00
Univar Solutions	Sodium Hypochlorite	Lawton Valley	5/21/2019	\$4,989.65
USALCO	Polyaluminum Chloride	Lawton Valley	5/13/2019	\$7,037.00
Calgon Carbon Corporation	Conventional Carbon Filter	Station 1	4/23/2019	\$50,479.20
Coyne Chemical Co., Inc.	Fluoride	Station 1	5/21/2019	\$1,665.00
USALCO	Polyaluminum Chloride	Station 1	5/9/2019	<u>\$7,139.30</u>
Total				<b>\$139,460.66</b>

**d. June Chemical Expenditures**

<u>Paid to</u>	<u>Description</u>	<u>Location</u>	<u>Invoice Date</u>	<u>Amount</u>
Calgon Carbon Corporation	Advanced Water Treatment Carbon Filter	Lawton Valley	6/12/2019	\$41,814.00
H. Krevit & Company	Sodium Hypochlorite	Lawton Valley	5/22/2019	\$1,959.91
H. Krevit & Company	Sodium Hypochlorite	Lawton Valley	06/10/19	\$1,956.00
Univar Solutions	Sodium Hydroxide liquid	Lawton Valley	6/7/2019	\$5,204.43
USALCO	Polyaluminum Chloride	Lawton Valley	5/24/2019	\$6,987.40
USALCO	Polyaluminum Chloride	Lawton Valley	06/17/19	\$6,928.50
Calgon Carbon Corporation	Advanced Water Treatment Carbon Filter	Station 1	6/12/2019	\$41,814.00
H. Krevit & Company	Sodium Hypochlorite	Station 1	5/1/2019	\$1,954.04
H. Krevit & Company	Sodium Hypochlorite	Station 1	06/10/19	\$1,957.96
USALCO	Polyaluminum Chloride	Station 1	6/4/2019	<u>\$6,987.40</u>
Total				<b>\$117,563.64</b>

**CERTIFICATION**

I hereby certify that on September 5, 2019, I sent a copy of the within to all parties set forth on the attached Service List by electronic mail and copies to Luly Massaro, Commission Clerk, by electronic mail and regular mail.

<b>Parties/Address</b>	<b>E-mail Distribution</b>	<b>Phone</b>
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STATE OF RHODE ISLAND  
PUBLIC UTILITIES COMMISSION  
DOCKET NO. 4933  
Response Of The City Of Newport,  
Utilities Division, Water Department  
To The Portsmouth Water And Fire District's  
Data Requests  
Set 2

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STATE OF RHODE ISLAND  
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Response Of The City Of Newport,  
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To The Portsmouth Water And Fire District's  
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Set 2

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