

**RESOLUTION AUTHORIZING AMENDMENT OF 2015 SEWER BILLING REGARDING AMENDMENTS TO METER READINGS AND FLOW FORMULAS FOR FISCAL YEAR 2014**

**WHEREAS**, the Rockaway Valley Regional Sewerage Authority gathers flow data from its metering chambers for the purpose of invoicing its member municipalities for the cost of treatment; and

**WHEREAS**, during Fiscal Year 2014, the need to make certain adjustments to the data collected during this period of time was identified and evaluated; and

**WHEREAS**, with respect to the Township of Boonton, it was discovered that the relevant flow meter was malfunctioning, causing the meter to fail in February, 2014. An estimate of the flow was calculated, which upon further review, exceeded the value of flow historically experienced by the Township of Boonton. At the request of the Township of Boonton, an analysis was undertaken. Based upon a review of the meter data from the Township of Boonton under similar weather conditions, it was determined that the flow should be 0.1165 mgd. Consequently, as a result of the meter malfunction, it has been determined that the February 2014 average daily flow from the Township of Boonton should be reduced from the original estimate of 0.210 mgd to 0.1165 mgd; and

**WHEREAS**, with respect to the metering of flows emanating from Rockaway Borough, there are two methods that RVRSA utilizes to assess flow. The calculation set forth in in Schedule A of the RVRSA User Charge System is checked against the alternate RT3 equation to evaluate the accuracy of the Schedule A calculation. During this evaluation, it was observed that at times the flow calculation resulted in a negative flow, due to the metering accuracy of the Parshall Flumes. As a negative flow value is impossible, an adjustment is required. Based upon an evaluation of the available data, it has been determined that the use of an alternate RT3 equation ( $\text{Flow} = \text{M:RB1} - (\text{M:RT3} + \text{M:RT4} + \text{M:RT5} + \text{M:DV2}) - (30 \text{ EDU's})$ ) in place of the Schedule "A" Rockaway Borough formula  $\text{Flow} = \text{M:RB} - (\text{M:D} + \text{M:VG} + \text{M:R3} + \text{M:RT4} + \text{M:RT5}) - (85 \text{ EDU's}) - (\text{Howmet})$ , accurately calculates the flow from Rockaway Borough, and therefore, it has been determined that for the period October 1, 2013 to September 30, 2014 ("Fiscal Year 2014"), the alternate RT3 equation must be utilized due to RVRSA's inability to rely upon the Schedule A flow calculation for Rockaway Borough set forth in the RVRSA User Charge System due to the occurrence of negative flows; and

**WHEREAS**, with respect to the metering of wastewater flows from all of the users of the RVRSA System, a review of the available data established that the meter data for June 28, 2014 to June 30, 2014 had been omitted. In order to accurately establish the flows emanating from the RVRSA Sewer Service Area, the metered flow for June 28, 2014 to June 30, 2014 must be added to the original calculation; and

**WHEREAS**, as a result of Hurricane Irene and the ensuing destruction of a portion of the Old Jersey City Trunkline that once crossed the Rockaway River at the foot of Harrison Street in the Town of Boonton, it has become necessary to establish an alternate flow formula until such time as new infrastructure is constructed. Consequently, with respect to the flow emanating from the Town of Boonton, it has been determined that it is appropriate to utilize alternate flow formula  $B = \text{BT1} \times 0.083$ , as recommended by Fletcher N. Platt, Jr., P.E., Consulting Engineer to the RVRSA. This flow formula is based upon a three-year average flow ratio between M:B and M:BT1, which is necessitated as a result of the bypass being routed around the "B meter" chamber that formerly established the flows for the area of the Town of Boonton north of JCT MH 34 located at 111 Monroe Street in the Town of Boonton. The use of this formula shall be implemented until such time as the new pump station is built on Monroe Street and the Town of Boonton flow is routed back through meter B; and

**WHEREAS**, the results of the aforementioned adjustments are summarized on the attached chart entitled, "Fiscal Year 2014 Sewer Billing Adjustments Summary;" and

**WHEREAS**, JoAnn Mondsinì, Executive Director of the RVRSA, and staff have verified the accuracy of the aforementioned adjustments and have recommended that the flow data adjustments be adopted as the meter reading flows for Fiscal Year 2014; and

**WHEREAS**, the Sewer User Charge System Committee met on September 10, 2015, and recommends the amendments be made; and

**NOW, THEREFORE BE IT RESOLVED** by the Rockaway Valley Regional Sewerage Authority, as follows:

1. The RVRSA accepts and incorporates the meter reading adjustments as the recorded flows for the period of time the Fiscal Year 2014, as follows:
  - Township of Boonton – decrease February 2014 average daily flow from 0.210 mgd to 0.1165 mgd as a result of meter malfunction;
  - Rockaway Borough – utilize alternate RT3 equation ( $\text{Flow} = \text{M:RB1} - (\text{M:RT3} + \text{M:RT4} + \text{M:RT5} + \text{M:DV2}) - (30 \text{ EDU's})$ ) in place of Schedule "A" Rockaway Borough formula  $\text{Flow} = \text{M:RB} - (\text{M:D} + \text{M:VG} + \text{M:R3} + \text{M:RT4} + \text{M:RT5}) - (85 \text{ EDU's}) - (\text{Howmet})$  due to inability to rely upon Schedule A calculation due to occurrence of negative flows;
  - All Members – add metered flow for June 28 to June 30, 2014 to supplement original calculation that was based upon missing meter data; and
  - Town of Boonton- utilize alternate flow formula  $B = \text{BT1} \times 0.083$ , based on three-year average flow ratio between M:B and M:BT1, due to missing infrastructure as a result of Hurricane Irene bypass.

I hereby certify that this Resolution was adopted at a meeting of the Rockaway Valley Regional Sewerage Authority held on: October 8, 2015

On motion of: Glenn Corbett                      Second by: Joseph Lowell

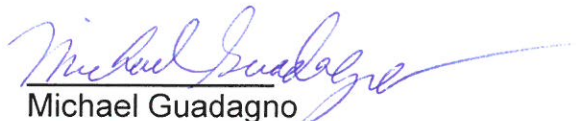
And a Roll Call vote as follows:

Yeas: (9) Andes, Cegelka, Corbett, Guadagno, Lowell, Recchia, Schaefer, Schorno, Secco

Nays: (0) None

Abstain: (1) Vincitore

Absent: (0) None

  
Michael Guadagno  
Secretary

RVRSA

FY2014 Sewer Billing Adjustment Summary

<b>Member</b>	<b>FY 2014 Sewer Billing to Towns</b>	<b>Proposed Adjusted FY 2014 Billing</b>	<b>Increase (Decrease)</b>
Town of Boonton	\$208,164	\$207,966	(\$198)
Boonton Township	\$88,590	\$84,550	(\$4,040)
Township of Denville	\$729,989	\$731,543	\$1,554
Town of Dover	\$1,125,644	\$1,125,651	\$7
Randolph Township	\$800,854	\$800,734	(\$120)
Rockaway Borough	\$109,718	\$104,947	(\$4,771)
Rockaway Township	\$1,571,065	\$1,572,927	\$1,862
Victory Gardens	\$113,080	\$114,141	\$1,061
Borough of Wharton	\$541,036	\$540,406	(\$630)
Jersey City	\$4,078,800	\$4,084,074	\$5,274