

Resolution 17-103

RESOLUTION CONFIRMING 10,000 GALLON PER DAY REMAINING ALLOCATION FOR MINE HILL TOWNSHIP

WHEREAS, the Township of Mine Hill is a customer of the RVRSA pursuant to a Customer Service Contract dated July 7, 1987, between the RVRSA and Mine Hill Township; and

WHEREAS, the Customer Service Contract dated July 7, 1987, (“1987 Customer Service Contract”) provides for the discharge of not more than 35,250 gallons per day (“gpd”) of sewage into the System of the Authority; and

WHEREAS, an Amendment to the 1987 Customer Service Contract was executed by the parties in September, 1997, (“1997 Amendment”) allowing for the discharge of an additional 55,000 gpd of sewage into the System; and

WHEREAS, a Second Amendment to the 1987 Customer Service Contract was executed by the parties in April, 2011, (“2011 Amendment”) allowing for an additional amount of 4,675 gpd of sewage to be discharged in to the RVRSA System, for a total amount of 94,925 gpd, calculated on the basis of a thirty day average; and

WHEREAS, uncertainty previously existed with respect to RVRSA’s obligation to serve additional wastewater dischargers within Mine Hill Township; and

WHEREAS, in order to address the uncertainty regarding RVRSA’s obligations under the 1987 Customer Service Contract, and the 1997 and 2011 Amendments thereto, and to fulfill the requirements contained therein, in 2016 Mine Hill installed four meters to accurately record sewage flows emanating from some of the areas currently served by Mine Hill Township. The flows emanating from the remaining unmetered sewer areas shall be calculated based upon the RVRSA formula for unmetered sewer areas; and

WHEREAS, Mine Hill submitted a request to the RVRSA seeking the release of gallonage for the provision of sewer service to additional areas within Mine Hill based upon the results of an evaluation of the metered flows and calculated flows from unmetered sewer areas; and

WHEREAS, per the attached letter from Joseph Schwarz, Kleinfelder, RVRSA’s Consulting Engineers, to JoAnn Mondini, Executive Director, dated August 8, 2017, Kleinfelder has evaluated the availability of capacity within Mine Hill’s contracted flow allocation of 94,925 gpd and has determined that it is reasonable to conclude that a flow of 10,000 gpd remains available under the existing contracts with Mine Hill for future connections; and

WHEREAS, the RVRSA has determined that Mine Hill has fulfilled its obligation, as set forth in the 1987 Customer Service Contract, to install meters to measure the volume of sewage discharged to the RVRSA System and, based upon a review of the flow data received to date, agrees that a flow of 10,000 gpd remains available under the existing contracts with Mine Hill for future connections. Further, Resolution 15-055, adopted on June 11, 2015, establishing an expedited process for the issuance of permits to connect residential dwellings within the RVRSA Sewer Service Area that discharge wastewater to failing cesspools and septic systems, should be modified to release 10,000 gpd from those limitations contained in Resolution 15-055 that establish that an applicant first demonstrate the existence of a failed cesspool or septic system.

NOW, THEREFORE, BE IT RESOLVED by the Rockaway Valley Regional Sewerage Authority, on this 10th day of August, 2017, that:

1. RVRSA hereby rescinds Resolution 15-008 adopted on January 8, 2015, as a result of Mine Hill's installation of four meters in 2016. Further, the Rockaway Valley Regional Sewerage Authority hereby confirms that a flow of 10,000 gpd remains available under the existing contracts with Mine Hill for future connections. Subject to the following conditions, Resolution 15-055, adopted on June 11, 2015, is hereby modified to release 10,000 gpd from those limitations contained in Resolution 15-055 that an applicant first demonstrate the existence of a failed cesspool or septic system prior to the issuance of a permit to connect.

(i) This allocation explicitly excludes connection of vacant lot(s), which encroach upon any environmentally sensitive areas (ESA) pursuant to Special Grant Condition No. 4, federal project C340389-04-2, effective November 29, 1983, unless USEPA approval therefore is first obtained; and

(ii) that the sewer mainline, extensions and each of the building laterals to be installed shall be subject to inspection(s) by the RVRSA. In accord with Section 503(D) of the 1987 Customer Service Contract, "[n]o connection shall be made, suffered or allowed to be made to the System unless a Permit to Connect shall have first been issued by the Authority and all requirements of the Authority's Connection Permit System shall have been satisfied, including but not limited to, the inspection by the Authority's representative, employee or agent of all sewer lines and laterals to be connected to the System. Such inspection shall be required of that portion of a sewer line between the building foundation and the local collection system, as well as of the local collection system itself." Mine Hill shall not issue a plumbing permit authorizing the connection of any properties to the RVRSA without first providing notice to the RVRSA; and

(iii) that any connection from a non-domestic source is subject to the RVRSA's industrial pretreatment program regulations. The applicant shall first obtain clearance from the RVRSA's pretreatment program prior to seeking or obtaining the necessary permit(s) for connection to the RVRSA's conveyance system; and

(iv) that all users are subject to the RVRSA's Service Rules and Service Rules Addendum, entitled, Regulations Concerning Industrial Users and General Sewer Use Requirements ("RVRSA Service Rules Addendum"), as amended and supplemented from time to time; and

(v) that the property owner shall comply with the requirements of other governmental entities having jurisdiction, including compliance with the Highlands Water Protection and Planning Act Rules, N.J.A.C. 7:38, N.J.A.C. 7:15-5.25(d)(6), if applicable.

2. This Resolution shall be effective immediately.

CERTIFICATION

I hereby certify that this resolution was adopted at the regularly scheduled meeting of the RVRSA held on August 10, 2017

Moved by: Michael Guadagno

Seconded by: John Cegelka


ROLL CALL VOTE:

AYES: (7) Andes, Cegelka, Corbett, Guadagno, Recchia, Rossi, Schorno

NAYS: (0) None

ABSTAIN: (1) Vincitore

ABSENT: (2) Lavery and Lowell


Michael Guadagno
Board Secretary



August 4, 2017

VIA EMAIL

JoAnn Mondsin
 Executive Director
 Rockaway Valley Regional Sewerage Authority
 RD#1, 99 Greenbank Road
 Boonton NJ 07005-9602

RE: MINE HILL CAPACITY FLOW ANALYSIS

Dear Ms. Mondsin:

The Rockaway Valley Regional Sewerage Authority (RVRSA) has requested that Kleinfelder evaluate whether Mine Hill has remaining available capacity for additional connections within its contracted flow allocation of 94,925 gallons per day (GPD). A total of three hundred seventy-seven (377) connections in Mine Hill are tributary to a total of four (4) Mine Hill flow meters that were recently installed. Mine Hill also has one hundred thirty-three (133) connections that are unmetered.

The first step in assessing the available flow is determining how much flow comes from the 377 connections that are metered. To that value, we will add the sum of all the flow issued to each of the 133 unmetered connections. A summary of the monthly average flow from each meter during the period November 2016 through July 2017, and the resulting sum of the four meters' flows during this period, are summarized in the table below.

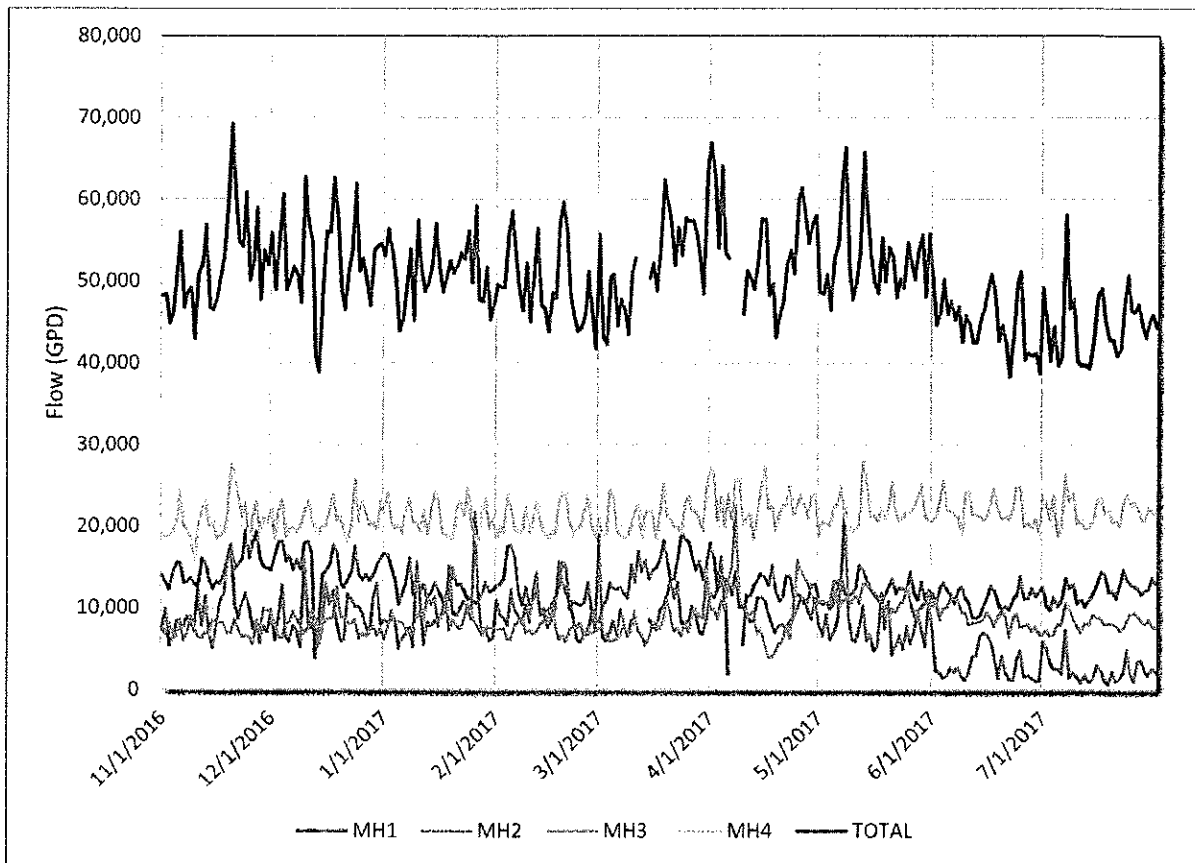
Table 1: Monthly Average Flow in Mine Hill Flow Meters

Month	Flow Meter				Total Flow ¹ (GPD)
	MH1 (GPD)	MH2 (GPD)	MH3 (GPD)	MH4 (GPD)	
11/16	14,857	9,021	7,426	20,733	52,036
12/16	14,723	8,951	8,070	20,857	52,601
01/17	12,500	9,069	8,510	21,023	51,102
02/17	11,996	9,567	7,436	20,638	49,637
03/17	14,371	9,091	7,897	21,080	52,458
04/17	12,189	10,247	9,887	22,795	54,059
05/17	12,135	7,981	10,900	21,875	52,891
06/17	11,220	3,072	8,894	21,875	45,061
07/17	12,158	2,501	8,190	21,911	44,760

¹ The total monthly average flow is the average of the total daily flow (i.e., the sum of the four meters on a daily basis), not the total of the monthly averages of each individual meter.

The following figure shows in graphical form the daily average flows for each of the four meters as well as the total of the four meters on each day. As highlighted in Table 1, the flow at Mine Hill flow meter MH2 drops significantly starting in May 2017. At this time, the cause of this anomaly is unknown, but it is being investigated by RVRSA and Mine Hill. From the figure, one can see that the total flow on a given day ranges from below 40,000 GPD to almost 70,000 GPD. Ignoring the last three months of data (due to the drop in MH2 flow), the average of the total daily flow (i.e., the average of the daily total, not the sum of the overall individual meter averages) from November 1, 2016, through April 30, 2017, is **51,966 GPD**. This value was determined to be representative of the total metered flow for the given period.

Figure 1: Daily Average Flow in Mine Hill Flow Meters²



To this value (51,966 GPD), the total issued³ flow of the 133 unmetered connections (30,975 GPD) was added. Therefore, the total current Mine Hill flow is estimated to be **82,941 GPD**. The difference between this value and the contracted amount of 94,925 GPD, which is **11,984 GPD**, is available for future connection.

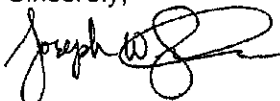
² Some data were removed from the data set due to meter error. These "missing" data are shown as breaks in the graph. If on a given day there was not real, usable data from all four meters, a daily total was not calculated.

³ The total issued flow was calculated from the allocated flow in the permit connection database (JL Program) for all of the 133 unmetered connections.

I have been working on obtaining a current list of unmetered connections from the mayor of Mine Hill. The preliminary list (which does not contain block and lot information) only has 112 unmetered connections. If the preliminary list is correct, and we multiply the 112 unmetered connections by the average issued flow value (233 GPD), the total unmetered flow value added to the metered flow would only be 26,096 GPD. If this is the case, the total Mine Hill flow would be 78,062 GPD, and there would be 16,863 GPD of available flow. Once I obtain the full list from Mine Hill, I can determine the correct number of unmetered connections and more accurately determine the true available capacity.

At this time, I believe it would be reasonable to grant an available flow of 10,000 GPD to Mine Hill for future connections that do not require a TWA (i.e., single-family homes that are within 100 feet of a sewer, failing septic systems, etc.). If you wish to discuss this matter further, or if you have questions, please do not hesitate to contact me at 609-454-4559 or JSchwarz@Kleinfelder.com.

Sincerely,



Joseph W. Schwarz, P.E.
Project Engineer

c: Diane Alexander, Esq., Maraziti Falcon LLP