

Village of Endicott
Industrial Pretreatment Dept.
c/o 1009 E. Main St.
Endicott, New York 13760

August 10, 2016

USEPA, Region II
Emergency and Remediation Response Division
290 Broadway
New York, New York 10007
Attn: Sherrel Henry

Re: Supplemental Purge Well,
Endicott Wellfield Site

Dear Ms. Henry:

Pursuant to EPA's approval of the Village of Endicott's proposal for a reduction in the frequency of monitoring and analysis for the Supplemental Purge Well, I am submitting a report for the 2nd quarter of 2016 for the supplemental purge well as well as for the final effluent.

The average daily flows for the months contained in this reporting period are:

April, 2016.....	568,400 gal/day (395 gal/min)
May, 2016.....	561,774 gal/day (390 gal/min)
June, 2016.....	553,481 gal/day (384 gal/min)

Within this report are summaries of daily SPW flows, a listing of detectable VOC's for both SPW and final effluent for 2016, and water level readings for 2016.

If you have any questions concerning this report, please call me at 607-757-5352.

Sincerely,



Philip Grayson
Chief Operator, Wastewater

cc: NYSDEC, Payson Long
NYSDEC, Tim DiGiulio, P.E.
Malcolm Pirnie, Inc., Bruce Nelson

Supplemental Purge Well Daily Flow Readings: 2016 Gal./Day

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	507,333	553,667	546,000	566,250	570,000	538,000	0	0	0	0	0	0
2	507,333	536,000	546,000	566,250	570,000	560,000	0	0	0	0	0	0
3	507,333	534,000	556,000	566,250	551,000	570,000	0	0	0	0	0	0
4	507,333	542,000	679,000	566,250	564,000	460,000	0	0	0	0	0	0
5	500,000	532,000	415,000	563,000	563,000	560,000	0	0	0	0	0	0
6	499,000	477,000	632,500	563,000	522,000	560,000	0	0	0	0	0	0
7	513,000	567,667	632,500	555,000	545,000	635,000	0	0	0	0	0	0
8	510,000	567,667	548,000	532,000	599,000	548,000	0	0	0	0	0	0
9	420,000	567,667	577,000	587,333	599,000	553,000	0	0	0	0	0	0
10	544,500	534,000	574,000	587,333	549,000	559,500	0	0	0	0	0	0
11	544,500	561,000	636,000	587,333	569,000	559,500	0	0	0	0	0	0
12	513,000	533,000	446,000	601,000	593,000	559,500	0	0	0	0	0	0
13	542,000	541,333	587,500	552,000	593,000	559,500	0	0	0	0	0	0
14	566,000	541,333	587,500	546,000	550,000	545,000	0	0	0	0	0	0
15	525,000	541,333	577,000	542,000	541,500	548,000	0	0	0	0	0	0
16	540,333	520,000	567,000	589,000	541,500	547,000	0	0	0	0	0	0
17	540,333	526,000	532,000	589,000	559,000	551,000	0	0	0	0	0	0
18	540,333	558,000	541,000	589,000	552,000	525,000	0	0	0	0	0	0
19	567,000	546,250	602,667	562,000	569,000	572,000	0	0	0	0	0	0
20	536,000	546,250	602,667	579,000	561,250	572,000	0	0	0	0	0	0
21	545,000	546,250	602,667	581,000	561,250	553,000	0	0	0	0	0	0
22	526,000	546,250	550,000	530,000	561,250	549,000	0	0	0	0	0	0
23	557,333	548,000	633,000	580,333	561,250	550,000	0	0	0	0	0	0
24	557,333	524,000	509,000	580,333	552,000	523,000	0	0	0	0	0	0
25	557,333	538,000	572,750	580,333	558,000	562,333	0	0	0	0	0	0
26	533,000	532,000	572,750	570,000	355,000	562,333	0	0	0	0	0	0
27	521,000	525,000	572,750	549,000	551,000	562,333	0	0	0	0	0	0
28	536,000	589,500	572,750	568,000	683,000	547,000	0	0	0	0	0	0
29	512,000	589,500	561,000	556,000	590,333	553,000	0	0	0	0	0	0
30	563,667		588,000	570,000	590,333	562,000	0	0	0	0	0	0
31	553,667		524,000		590,333		0	0		0		
Total	16,374,667	15,764,667	17,644,000	17,052,000	17,415,000	16,606,000	0	0	0	0	0	0
Ave	528,215	543,609	569,161	568,400	561,774	553,481	0	0	0	0	0	0
Gal/Hr.	22,009	22,650	23,715	23,683	23,407	23,062	0	0	0	0	0	0
Gal/Min	367	378	395	395	390	384	0	0	0	0	0	0

Supplemental Purge Well Flow Meter Readings
2016

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Prev.			850721	868365		902832						
1		835510	851267			903370						
2		836046	851813		886557	903930						
3		836580	852369		887108	904500						
4	820611	837122	853048	870638	887672	904960						
5	821111	837654	853463		888235							
6	821610	838131		871764	888757	906080						
7	822123		854728	872319	889302	906715						
8	822633		855276	872851		907263						
9	823053	839834	855853		890500	907816						
10		840368	856427		891049							
11	824142	840929	857063	874613	891618							
12	824655	841462	857509	875214								
13	825197			875766	892804	910054						
14	825765		856684	876312	893354	910599						
15	826290	843086	859261	876854		911147						
16		843606	859828		894437	911694						
17		844132	860360		894996	912245						
18	827911	844690	860901	878621	895548	912770						
19	828468			879173	896117							
20	829004			879752		913914						
21	829549		862709	880333		914467						
22	830075	846875	863259	880863		915016						
23		847423	863892		898362	915566						
24		847947	864401		898914	916089						
25	831747	848485		882604	899472							
26	832280	849017		883174	899827							
27	832801	849542		883723	900378	917776						
28	833337		866692	884291	901061	918323						
29	833849	850721	867253	884847		918876						
30			867841			919438						
31			868365		902832							

Supplemental Purge Well
Monthly Analysis: VOC's
2016 Detectable Quantities

Parameter	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Results in ug/L													
Vinyl Chloride			18.1		14.4								
Chloromethane			<1.0		<1.0								
Chloroethane			<1.0		<1.0								
Methylene Chloride			<1.0		<1.0								
Dichlorodifluoromethane			<1.0		<1.0								
Trichloroethylene			<1.0		<1.0								
1,1-Dichloroethane			1.9		2.33								
1,1-Dichloroethylene			<1.0		<1.0								
cis-1,2-Dichloroethylene			16.2		18.2								
cis-1,3-Dichloropropene			<1.0		<1.0								
Chlorobenzene			2.19		1.95								
Benzene			<1.0		<1.0								
Toluene			<1.0		<1.0								
Chloroform			1.56		<1.0								
m-Xylene & p-Xylene			<2.0		<2.0								
Total VOC's			39.99		36.88				0.0		0.0		77

Final Effluent
Monthly Analysis: VOC's
2016 Detectable Quantities

[illegible]

GROUNDWATER ELEVATIONS
VILLAGE OF ENDICOTT
ANNUAL SUMMARIES: 2016

Well No.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
B-4												
B-21												
EW-3D	797.23	N/A		798.73								
EW-8	800.74	804.74		802.04								
EW-9	800.21	804.31		801.61								
EW-11												
EW-12	N/A	N/A		N/A								
EW-14	801.84	N/A		803.04								
MW-3	800.12	804.12		801.22								
MW-6D	802.75	806.65		803.95								
MW-8D												
MW-9D	N/A	N/A		N/A								
MW-7S	803.01	807.41		804.71								
MW-7D	805.98	809.48		807.78								
MW-11	N/A	N/A		N/A								
MW-12	803.84	N/A		N/A								
MW-13D	802.49	806.89		803.59								
MW-21	803.16	807.06		804.26								
MW-22D	802.33	806.23		803.23								
MW-25D	804.02	808.22		804.92								
MW-29	802.91	807.51		804.51								
MW-30	799.97	803.97		801.07								
MW-31	799.80	803.60		801.00								
MW-32	801.05	804.95		801.85								
MW-33	800.27	804.17		801.07								
MW-34	799.97	803.97		801.17								
MW-35	800.14	804.14		801.54								
SPV	798.87	802.67		800.07								

GROUNDWATER DEPTHS
VILLAGE OF ENDICOTT
ANNUAL SUMMARIES: 2016

Well No.	Jan.	Feb	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
B-4												
B-21												
EW-3D	21.1	N/A		19.6								
EW-8	22.6	18.6		21.3								
EW-9	18.4	14.3		17.0								
EW-11												
EW-12	N/A	N/A		NA								
EW-14	21.2	N/A		20.0								
MW-3	30.4	26.4		29.3								
MW-6D	23.8	19.9		22.6								
MW-8D												
MW-9D	N/A	N/A		NA								
MW-7S	20.2	15.8		18.5								
MW-7D	17.3	13.8		15.5								
MW-11	N/A	N/A		NA								
MW-12	25.9	N/A		NA								
MW-13D	11.8	7.4		10.7								
MW-21	31.4	27.5		30.3								
MW-22D	29.5	25.6		28.6								
MW-25D	17.5	13.3		16.6								
MW-29	13.6	9.0		12.0								
MW-30	23.5	19.5		22.4								
MW-31	23.2	19.4		22.0								
MW-32	8.8	4.9		8.0								
MW-33	19.1	15.2		18.3								
MW-34	15.4	11.4		14.2								
MW-35	20.2	16.2		18.8								
SPV	23.5	19.7		22.3								

GROUNDWATER ELEVATIONS
VILLAGE OF ENDICOTT

SAMPLED BY: J. Greene

DATE: 4/12/2016

Well No.	Time	(TOR) Elevation	Water Depth	Water Elevation	Comments
B-4					
B-21					
EW-3D		818.33	19.6	798.73	
EW-8		823.34	21.3	802.04	
EW-9		818.61	17.0	801.61	
EW-11					
EW-12		830.33	NA	#VALUE!	
EW-14		823.04	20.0	803.04	
MW-3		830.52	29.3	801.22	
MW-6D		826.55	22.6	803.95	
MW-8D					
MW-9D		832.07	NA	#VALUE!	
MW-7S		823.21	18.5	804.71	
MW-7D		823.28	15.5	807.78	
MW-11		827.61	NA	#VALUE!	
MW-12		829.74	NA	#VALUE!	
MW-13D		814.29	10.7	803.59	
MW-21		834.56	30.3	804.26	
MW-22D		831.83	28.6	803.23	
MW-25D		821.52	16.6	804.92	
MW-29		816.51	12.0	804.51	
MW-30		823.47	22.4	801.07	
MW-31		823.00	22.0	801.00	
MW-32		809.85	8.0	801.85	
MW-33		819.37	18.3	801.07	
MW-34		815.37	14.2	801.17	
MW-35		820.34	18.8	801.54	
SPW		822.37	22.3	800.07	