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

March 6, 2014

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 4th quarter of 2013 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:

October, 2013	523,387 gal/day (363 gal/min)
November, 2013	522,300 gal/day (363 gal/min)
December, 2013	526,290 gal/day (365 gal/min)

Within this report are summaries of daily SPW flows, a listing of detectable VOC's for both SPW and final effluent for 2013, and water level readings for the 4th quarter of 2013. Please note that due to an oversight there were no VOC samples taken and analyzed in the 4th quarter.

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

Suppemental Purge Well
Daily Flow Readings: 2013
Gal./Day

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	488,500	664,000	592,000	608,000	571,000	574,250	563,250	541,000	561,333	428,000	550,000	552,000
2	488,500	416,000	506,000	590,000	552,000	574,250	628,000	466,000	561,333	534,500	421,000	552,000
3	527,000	607,500	598,000	493,000	585,000	574,250	523,000	530,000	561,333	534,500	565,500	548,000
4	569,000	607,500	598,000	560,000	457,000	507,000	830,500	543,500	537,000	501,000	565,500	539,000
5	569,000	557,000	529,000	638,000	608,000	726,000	830,500	543,500	537,000	535,667	570,000	494,667
6	616,000	605,000	541,000	452,000	608,000	447,000	405,333	560,000	508,000	535,667	424,000	494,667
7	616,000	624,000	626,000	598,500	579,000	526,000	405,333	521,500	508,000	535,667	525,000	494,667
8	521,000	675,000	352,000	598,500	538,000	526,000	405,333	521,500	572,000	1,046,000	548,000	572,500
9	567,000	620,000	646,000	562,000	551,000	601,000	533,000	546,000	572,000	344,000	479,000	572,500
10	538,000	481,500	597,000	600,000	523,000	601,000	559,000	545,000	514,000	344,000	548,000	526,000
11	522,000	481,500	597,000	534,000	523,000	559,000	571,000	584,500	546,000	344,000	548,000	482,000
12	598,000	514,000	529,000	542,000	601,000	520,000	562,000	584,500	530,000	535,667	548,000	526,000
13	600,500	571,000	559,000	542,000	601,000	562,000	539,667	542,000	511,000	535,667	517,000	635,000
14	600,500	600,000	593,000	618,000	549,000	602,000	539,667	502,000	472,000	535,667	520,000	493,000
15	538,000	532,000	573,000	618,000	558,000	562,667	539,667	535,000	575,500	540,000	525,000	493,000
16	608,000	523,000	506,000	568,000	545,000	562,667	581,000	576,000	575,500	520,000	469,000	493,000
17	532,000	613,000	602,000	556,000	524,500	562,667	554,000	495,000	482,000	527,000	567,500	430,000
18	520,000	613,000	602,000	582,000	524,500	582,000	675,000	564,500	600,000	511,000	567,500	509,000
19	570,000	531,000	625,000	664,000	563,500	582,000	449,000	564,500	525,000	460,000	480,000	484,000
20	593,500	570,000	512,000	518,500	563,500	533,500	449,000	519,000	483,000	606,000	510,000	525,250
21	593,500	525,000	623,000	518,500	594,000	533,500	579,500	443,000	539,000	606,000	568,000	525,250
22	710,000	612,000	540,000	605,000	533,000	480,000	579,500	542,000	539,000	450,000	466,000	525,250
23	449,000	478,000	513,000	564,000	593,000	615,500	532,000	527,000	539,000	515,000	460,000	525,250
24	537,000	592,000	618,000	598,000	1,018,000	615,500	533,000	495,000	501,000	533,000	579,000	543,500
25	611,000	592,000	618,000	584,000	422,250	514,000	552,000	571,500	500,000	525,000	579,000	543,500
26	465,000	560,000	523,000	524,000	422,250	493,000	535,000	571,500	512,000	447,000	500,000	543,500
27	609,000	521,000	564,000	502,000	422,250	578,000	254,000	504,000	1,072,000	554,500	519,000	543,500
28	609,000	565,000	605,000	615,000	422,250	563,250	0	529,000	397,333	554,500	546,500	520,000
29	593,000		605,000	615,000	564,000	563,250	0	480,000	397,333	514,000	546,500	551,000
30	560,000		418,000	552,000	554,000	563,250	0	522,000	397,333	522,000	457,000	551,000
31	567,000		608,000		574,250		33,000	487,000		550,000		527,000
Total	17,486,000	15,851,000	17,518,000	17,120,000	17,244,250	16,804,500	14,741,250	16,457,000	16,126,000	16,225,000	15,669,000	16,315,000
Ave	564,065	566,107	565,097	570,667	556,266	559,806	437,154	530,871	537,533	523,387	522,300	526,290
Gal/Hr.	23,503	23,588	23,546	23,778	23,178	23,325	19,814	22,120	22,397	21,808	21,763	21,929
Gal/Min	392	393	392	396	386	389	330	369	373	363	363	365

Supplemental Purge Well Flow Meter Readings
2013

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Prev.	296105	313591	329442		364080			412870		445453		477347
1		314255	330034	347568	364651		398692	413411		445881	462228	
2	297082	314671	330540	348158	365203		399320	413877			462649	478451
3	297609			348651	365788	383047	399843	414407	431011	446950		478999
4		315886	331736	349211	366245	383554				447451	463780	479538
5	298747	316443	332265	349849		384280	401504	415494	432085		464350	
6		317048	332806	350301	367461	384727		416054			464774	
7	299979	317672	333432		368040				433101	449058	465299	481022
8	300500	318347	333784	351498	368578	385779	402720	417097		450104	465847	
9	301067	318967	334430	352060	369129		403253	417643	434245		466326	482167
10	301605			352660		386981	403812	418188	434759			482693
11	302127	319930	335624	353194	370175	387540	404383		435305	451136		483175
12	302725	320444	336153			388060	404945	419357	435835		467970	483701
13		321015	336712	354278	371377	388622		419899	436346		468487	484336
14	303926	321615	337305		371926	389224		420401	436818	452743	469007	
15	304464	322147	337878	355514	372484		406564	420936		453283	469532	
16	305072	322670	338384	356082	373029		407145	421512	437969	453803	470001	485815
17	305604			356638		390912	407699	422007	438451	454330		486245
18	306124	323896	339588	357220	374078		408374		439051	454841	471136	486754
19	306694	324427	340213	357884		392076		423136	439576	455301	471616	487238
20		324997	340725		375205		409272	423655	440059		472126	
21	307881	325522	341348	358921	375799	393143		424098		456513	472694	
22	308591	326134	341888	359526	376332	393623	410431	424640		456963	473160	
23	309040	326612	342401	360090	376925		410963	425167	441676	457478	473620	489339
24	309577			360688	377943	394854	411496	425662	442177	458011		
25	310188	327796	343637	361272		395368	412048		442677	458536	474778	
26	310653	328356	344160	361796		395861	412583	426805	443189	458983	475278	
27		328877	344724	362298		396439	412837	427309	444261		475797	491513
28	311871	329442			379632			427838		460092		492033
29	312464		345934	363528	380196		412837	428318		460606	476890	
30	313024		346352	364080	380750		412837	428840	445453	461128	477347	493135
31	313591						412870	429327				493662

Supplemental Purge Well
Monthly Analysis: VOC's
2013 Detectable Quantities

Parameter	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Results in ug/L													
Vinyl Chloride	**16**				**26.4**				**24.7**				**67.1**
Chloromethane	<3.0				<5.0								0
Chloroethane	<3.0				<5.0				<4.0				0
Methylene Chloride	<3.0				<5.0				<2.0				0
Dichlorodifluoromethane	<3.0												0
Trichloroethylene	<3.0				<5.0				**2.2**				2.2
1,1-Dichloroethane	<3.0				<5.0				**3.8**				3.8
1,1-Dichloroethylene	<3.0				<5.0				<2.0				0
cis-1,2-Dichloroethylene	**15**				<5.0				**21.2**				**36.2**
cis-1,3-Dichloropropene	<3.0				<5.0				<2.0				0
Chlorobenzene	<3.0				<5.0				**4.1**				4
Benzene	<3.0				<5.0				<1.0				0
Toluene	<3.0				<5.0				<2.0				0
Chloroform	<3.0				<5.0				<2.0				0
m-Xylene & p-Xylene	<3.0				<5.0				<6.0				0
Total VOC's	**31**				**26.4**				**56**			**0**	**113.4**

Denotes Sample was not analyzed for Analyte. There has been a change in contract the laboratory which resulted in a change in the analyte list.

Final Effluent
Monthly Analysis: VOC's
2013 Detectable Quantities

Parameter	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
	Results in ug/L												
Vinyl Chloride	<2.0				<5.0				<2.0				0
Chloromethane	<3.0				<5.0								0
Chloroethane	<3.0				<5.0				<4.0				0
Methylene Chloride	<3.0				<5.0				<2.0				0
Dichlorodifluoromethane	<3.0												0
Trichloroethylene	<3.0				<5.0				<2.0				0
1,1-Dichloroethane	<3.0				<5.0				<2.0				0
1,1-Dichloroethylene	<3.0				<5.0				<2.0				0
cis-1,2-Dichloroethylene	<3.0				<5.0				<2.0				0
cis-1,3-Dichloropropene	<3.0				<5.0				<2.0				0
Chlorobenzene	<3.0				<5.0				<2.0				0
Benzene	<3.0				<5.0				<1.0				0
Toluene	<3.0				<5.0				<2.0				0
Chloroform	<3.0				**8.4**				**2.1**				**10.5**
Bromodichloromethane	<3.0				<5.0				<1.0				0.0
m-Xylene & p-Xylene	<3.0				<5.0				<6.0				0
Total VOC's	**0**				**8.4**				**2.1**				**10.5**

Denotes Sample was not analyzed for Analyte. There has been a change in contract the laboratory which resulted in a change in the analyte list.

GROUNDWATER ELEVATIONS
VILLAGE OF ENDICOTT
ANNUAL SUMMARIES: 2013

Well No.		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
B-4													
B-21													
EW-3D		797.13	798.23	797.13	802.83		797.13		798.73	798.23	797.73		800.23
EW-8		797.74	799.24	801.84	802.14		801.84	800.94	798.24	797.54	797.24		800.04
EW-9		800.11	797.71	801.01	803.41		801.01	798.91	796.51	795.71	795.51		798.51
EW-11													
EW-12		801.13	798.93	801.03	802.83		801.03	801.03	798.33	798.23	797.83		800.73
EW-14		801.34	799.14	801.74	807.74		801.74	799.44	796.44	796.34	795.74		798.64
MW-3		800.32	797.82	800.32	801.87		800.32	800.82	797.82	797.82	797.22		799.92
MW-6D		802.95	800.35	803.05	804.05		803.05	802.35	799.45	798.55	798.05		801.95
MW-8D													
MW-9D		803.97	799.37	805.87	803.47		805.87		810.97	810.17	809.97		812.47
MW-7S		803.31	801.01	803.31	806.91		803.31	802.51	800.21	799.41	799.31		802.91
MW-7D		806.28	804.28	806.28	807.38		806.28	806.48	803.38	802.38	802.08		804.78
MW-11		805.11	794.21	804.21	800.01		804.21	802.11	798.01	796.51	796.21		799.01
MW-12		804.64	796.64	803.64	801.04		803.64	800.94	798.14	797.94	797.64		800.04
MW-13D		796.69	797.09	802.59	802.19		802.59	796.89	793.09	792.29	791.99		793.69
MW-21		803.26	801.06	803.76	806.36		803.76	803.46	800.46	800.36	800.06		802.76
MW-22D		802.53	800.03	802.33	803.63		802.33	801.43	798.53	798.23	798.03		801.33
MW-25D		804.32	802.02	804.52	805.32		804.52	802.82	798.82	798.52	798.02		800.42
MW-29		802.71	800.41	804.01	804.91		804.01	798.61	794.91	794.61	794.41		796.61
MW-30		800.17	797.97	800.37	801.77		800.37	800.17	797.17	796.67	796.57		800.37
MW-31		799.30	797.40	799.80	801.60		799.80	798.90	794.90	794.40	794.10		796.90
MW-32		801.45	798.75	801.25	803.65		801.25	800.75	798.65	797.75	797.15		799.25
MW-33		799.77	797.87	800.57	801.87		800.57	802.77	797.07	796.87	796.57		801.17
MW-34		799.27	797.57	800.67	800.97		800.67	795.27	791.27	790.77	790.47		793.97
MW-35		800.64	797.44	800.24	800.84		800.24	805.94	817.74	797.44	797.14		799.64
SPW		798.27	796.57	798.87	800.57		798.87	799.07	796.17	795.14	794.77		797.57

GROUNDWATER DEPTHS
VILLAGE OF ENDICOTT
ANNUAL SUMMARIES: 2013

Well No.		Jan.	Feb	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
B-4													
B-21													
EW-3D		21.2	20.1	21.2	15.5		18.6		19.6	20.1	20.6		18.1
EW-8		25.6	24.1	21.5	21.2		22.9	22.4	25.1	25.8	26.1		23.3
EW-9		18.5	20.9	17.6	15.2		18.4	19.7	22.1	22.9	23.1		20.1
EW-11													
EW-12		29.2	31.4	29.3	27.5		29.2	29.3	32.0	32.1	32.5		29.6
EW-14		21.7	23.9	21.3	15.3		23.1	23.6	26.6	26.7	27.3		24.4
MW-3		30.2	32.7	30.2	28.7		30.2	29.7	32.7	32.7	33.3		30.6
MW-6D		23.6	26.2	23.5	22.5		23.6	24.2	27.1	28.0	28.5		24.6
MW-8D													
MW-9D		28.1	32.7	26.2	28.6		28.6		21.1	21.9	22.1		19.6
MW-7S		19.9	22.2	19.9	16.3		20.3	20.7	23.0	23.8	23.9		20.3
MW-7D		17.0	19.0	17.0	15.9		17.2	16.8	19.9	20.9	21.2		18.5
MW-11		22.5	33.4	23.4	27.6		24.5	25.5	29.6	31.1	31.4		28.6
MW-12		25.1	33.1	26.1	28.7		28.6	28.8	31.6	31.8	32.1		29.7
MW-13D		17.6	17.2	11.7	12.1		16.5	17.4	21.2	22.0	22.3		20.6
MW-21		31.3	33.5	30.8	28.2		31.1	31.1	34.1	34.2	34.5		31.8
MW-22D		29.3	31.8	29.5	28.2		29.4	30.4	33.3	33.6	33.8		30.5
MW-25D		17.2	19.5	17.0	16.2		18.3	18.7	22.7	23.0	23.5		21.1
MW-29		13.8	16.1	12.5	11.6		17.6	17.9	21.6	21.9	22.1		19.9
MW-30		23.3	25.5	23.1	21.7		23.2	23.3	26.3	26.8	26.9		23.1
MW-31		23.7	25.6	23.2	21.4		23.3	24.1	28.1	28.6	28.9		26.1
MW-32		8.4	11.1	8.6	6.2		8.2	9.1	11.2	12.1	12.7		10.6
MW-33		19.6	21.5	18.8	17.5		16.9	16.6	22.3	22.5	22.8		18.2
MW-34		16.1	17.8	14.7	14.4		15.2	20.1	24.1	24.6	24.9		21.4
MW-35		19.7	22.9	20.1	19.5		19.8	14.4	2.6	22.9	23.2		20.7
SPW		24.1	25.8	23.5	21.8		23.3	23.3	26.2	27.2	27.6		24.8

GROUNDWATER ELEVATIONS
VILLAGE OF ENDICOTT

SAMPLED BY: V. Briga DATE: 10/25/13

Well No.	Time	(TOR) Elevation	Water Depth	Water Elevation	Comments
B-4					
B-21					
EW-3D		818.33	20.6	797.73	
EW-8		823.34	26.1	797.24	
EW-9		818.61	23.1	795.51	
EW-11					
EW-12		830.33	32.5	797.83	
EW-14		823.04	27.3	795.74	
MW-3		830.52	33.3	797.22	
MW-6D		826.55	28.5	798.05	
MW-8D					
MW-9D		832.07	22.1	809.97	
MW-7S		823.21	23.9	799.31	
MW-7D		823.28	21.2	802.08	
MW-11		827.61	31.4	796.21	
MW-12		829.74	32.1	797.64	
MW-13D		814.29	22.3	791.99	
MW-21		834.56	34.5	800.06	
MW-22D		831.83	33.8	798.03	
MW-25D		821.52	23.5	798.02	
MW-29		816.51	22.1	794.41	
MW-30		823.47	26.9	796.57	
MW-31		823.00	28.9	794.10	
MW-32		809.85	12.7	797.15	
MW-33		819.37	22.8	796.57	
MW-34		815.37	24.9	790.47	
MW-35		820.34	23.2	797.14	
SPW		822.37	27.6	794.77	

GROUNDWATER ELEVATIONS
VILLAGE OF ENDICOTT

SAMPLED BY: V. Briga DATE: 12/6/2013

Well No.	Time	(TOR) Elevation	Water Depth	Water Elevation	Comments
B-4					
B-21					
EW-3D		818.33	18.1	800.23	
EW-8		823.34	23.3	800.04	
EW-9		818.61	20.1	798.51	
EW-11					
EW-12		830.33	29.6	800.73	
EW-14		823.04	24.4	798.64	
MW-3		830.52	30.6	799.92	
MW-6D		826.55	24.6	801.95	
MW-8D					
MW-9D		832.07	19.6	812.47	
MW-7S		823.21	20.3	802.91	
MW-7D		823.28	18.5	804.78	
MW-11		827.61	28.6	799.01	
MW-12		829.74	29.7	800.04	
MW-13D		814.29	20.6	793.69	
MW-21		834.56	31.8	802.76	
MW-22D		831.83	30.5	801.33	
MW-25D		821.52	21.1	800.42	
MW-29		816.51	19.9	796.61	
MW-30		823.47	23.1	800.37	
MW-31		823.00	26.1	796.90	
MW-32		809.85	10.6	799.25	
MW-33		819.37	18.2	801.17	
MW-34		815.37	21.4	793.97	
MW-35		820.34	20.7	799.64	
SPW		822.37	24.8	797.57	

Village of Endicott
1009 E. Main St.
Endicott, New York 13760

March 6, 2014

Ms. Sherrel Henry
U.S. Environmental Protection Agency, Region II
Emergency & Remediation Response Division
290 Broadway
New York, New York 10007-1866

Re: Endicott Landfill
Operable Unit 2
Endicott, New York

Dear Ms. Henry:

Enclosed please find a copy of our quarterly Landfill Inspection Report (October, 2013 – December, 2013). The inspection was performed on November 15, 2013.

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

Sincerely,

Philip Grayson
Chief Operator, Wastewater

cc: Mr. Payson Long, DEC
Mr. Tim DiGiulio, P.E., DEC
Ms. Jean McCreary, EJ
Mr. Tom Morris, IBM
Mr. Lou Caforio, Town of Union

POST CLOSURE INSPECTION FORM

Checklist

A. Capped Area

Capped area will be inspected by traversing the cover and observing for the following items:

		No	Yes
1.	Is there bare, dead or damaged graseed area?	X	
2.	Is there evidence of cracks or subsidence?	X	
3.	Is there evidence of burrowing by animals?	X	
4.	Is there any deep-rooted vegetation present?	X	
5.	Is there any erosion damage to grassed areas?	X	

Comments: *(Required for each Yes answer)*

B. Paved Areas and Access Roads

The paved areas and access roads on the property will be inspected by traversing their entire length and observing for the following:

		No	Yes
1.	Is there any erosion damage to road/paved surface?	X	
2.	Are there substantial potholes?	X	
3.	Is there evidence of cracks or subsidence?		X

Comments: *(Required for each Yes answer)*

There is evidence of cracks and subsidence in the paved area East of the Tri Cities Airport Runway.

C. Site Drainage System

The drainage system will be inspected by traversing the full length of the system and examining for the following:

		No	Yes
Over-Cover Drainage			
1.	Is there any damage to swales?	X	___
2.	Is there any debris in swales?	X	___
3.	Is there any sloughing of cap system?	X	___
Perimeter Drainage			
1.	Is there any damage to drainage ditch?	X	___
2.	Is there any debris or sediment in drainage ditch?	X	___
3.	Seeps observed?	X	___

Comments *(Required for each Yes answer)*

D. Monitoring Wells

	Monitoring Wells will be inspected for the following:	No	Yes
1.	Is there any damage to the lock or locking cap?	X	___
2.	Is there any evidence of erosion of soils in the immediate area around the well casing?	X	___
3.	Is concrete collar cracked or settled?	X	___

Comments *(Required for each Yes answer)*

E. Gas Vents

Gas vents will be inspected for the following:

		No	Yes
1.	Is there any damage to the risers?	X	
2.	Are any insert screens broken or missing?	X	

Comments *(Required for each Yes answer)*

3. Description of Air Monitoring Activities *(indicate readings)*

F. Security

Site security of the facility will be inspected by examining the following items:

		No	Yes
1.	Is there any damage to gates?	X	
2.	Are there any damaged, missing or obstructed warning signs?	X	

Comments *(Required for each Yes answer)*

Philip Grayson
Inspector

Signature

11/15/13
Date